

DEPARTMENT OF THE INTERIOR

FRANKLIN K. LANE, Secretary

UNITED STATES GEOLOGICAL SURVEY

GEORGE OTIS SMITH, Director

Bulletin 673

SPIRIT LEVELING IN KENTUCKY

1914 TO 1916, INCLUSIVE

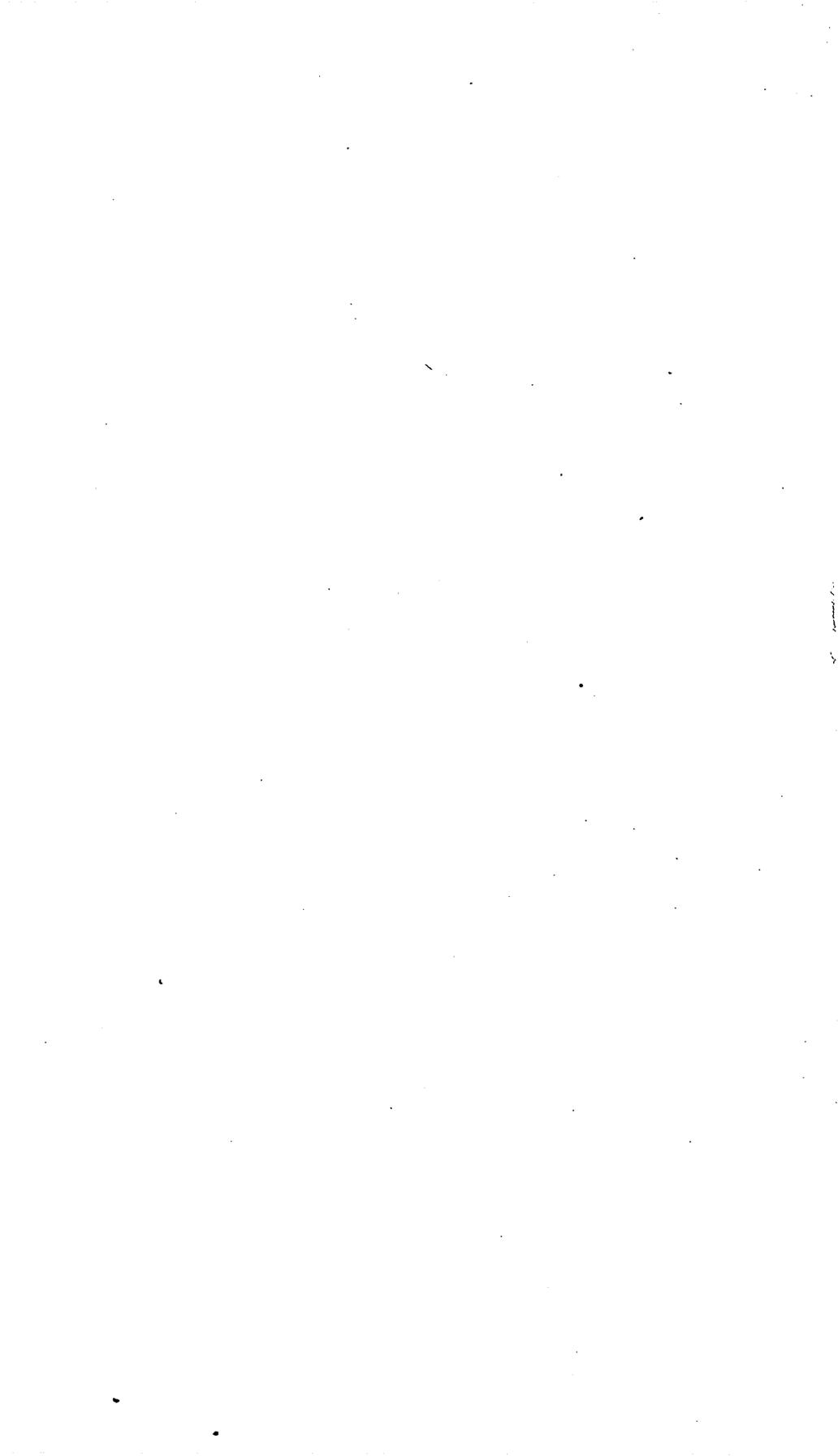
R. B. MARSHALL, CHIEF GEOGRAPHER

Work done in cooperation with the Kentucky Geological Survey
J. B. Hoeing, Director



CANCELLED.

WASHINGTON
GOVERNMENT PRINTING OFFICE
1918



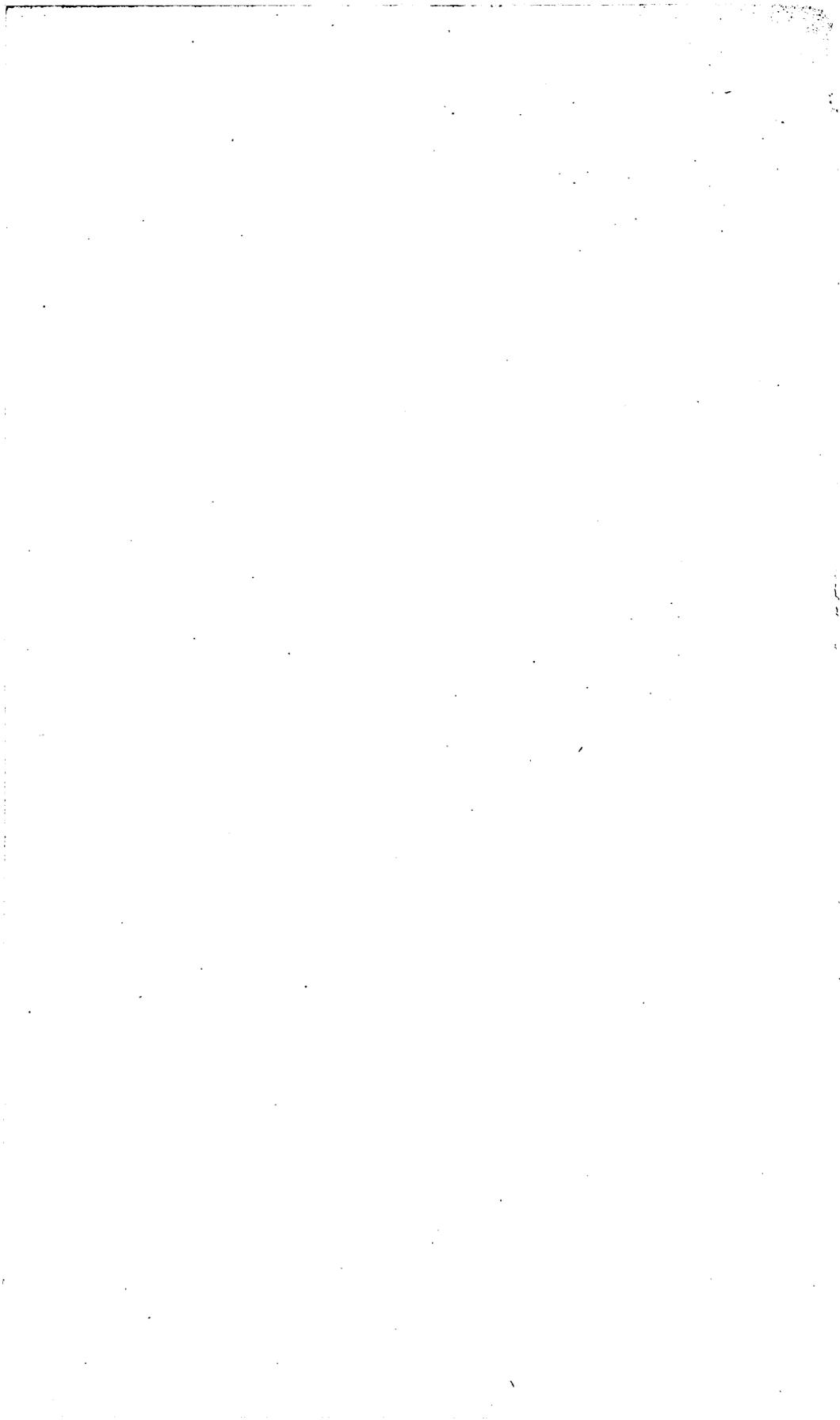
CONTENTS.

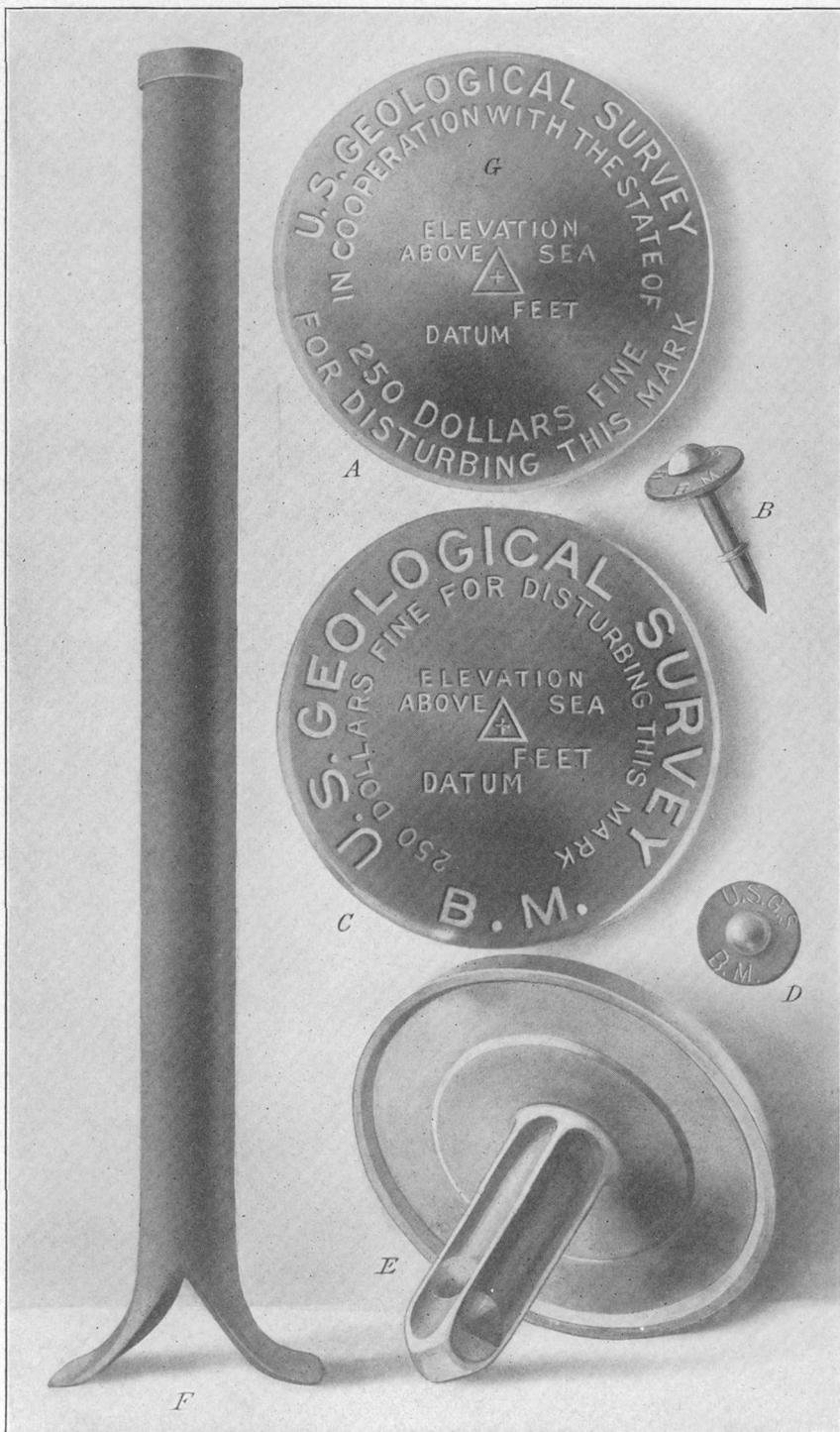
	Page.
Introduction.....	5
Cooperation.....	5
Personnel.....	5
Previous publication.....	5
Corrections.....	5
Classification.....	6
Bench marks.....	6
Datum.....	6
Topographic maps.....	7
Primary leveling.....	8
Index.....	97

ILLUSTRATION.

	Page.
PLATE I. Geological Survey bench marks.....	5

3





GEOLOGICAL SURVEY BENCH MARKS.

A. Tablet used in cooperating States. The State name is inserted at *G*.
B and *D*, Copper temporary bench mark, consisting of a nail and copper washer.
A, *C*, and *E*, Tablets for stone or concrete structures.
F, Iron post used where there is no rock.

SPIRIT LEVELING IN KENTUCKY, 1914 TO 1916, INCLUSIVE.

R. B. MARSHALL, Chief Geographer.

INTRODUCTION.

Cooperation.—The State of Kentucky contributed financially to this work during the years 1914 to 1916, inclusive, and was represented by J. B. Hoeing, director of the Kentucky Geological Survey.

Personnel.—The field work during 1914 and 1915 was done under the supervision of W. H. Herron, geographer, under the general direction of R. B. Marshall, chief geographer; the work of 1916 was done under the supervision of Glenn S. Smith, topographic engineer, under the general direction of W. H. Herron, acting chief geographer. Credit is given to the levelmen at the beginning of each list. The office work in preparation of lists was done by S. S. Gannett, geographer, under the general direction of E. M. Douglas, geographer.

Previous publication.—The following results of spirit leveling are supplemental to and accord with the elevations contained in Bulletin 554 and are in agreement with the 1912 adjustment of precise leveling. These elevations are likely to be changed but slightly by any future adjustment.

Corrections.—These corrections to Bulletin 554 should be noted:

Page 25: Blackford, 0.2 mile southwest of, in northwest stone of north abutment of iron drawbridge over Tradewater River; bronze tablet (reset Feb. 23, 1914, not checked)-----	Feet. 363. 877
Page 28: Meads station, 1 mile north of, 81 feet north of small bridge, 15 feet east of center of road, in sandstone boulder; bronze tablet stamped "638 K"-----	638. 121
Page 107: Henderson, in south corner of front window sill of Planters' State Bank Building; aluminum tablet stamped "399 Vin"__	401. 087
Page 115: Crofton, 6.2 miles west of, 2.5 miles north of Era, 2.9 miles southeast of Pod, at southeast corner of crossroads; iron post stamped "605"-----	304. 749
Page 162: Smithland, 600 feet below wharf, at foot of riprap bank, 30 feet west of center of Front Street, in line with center of alley just above Charles H. Webb's law office; 44.05 feet 229° 13' 40'' to northwest corner of old house on Kentucky side, 142.80 feet 289° 56' 40'' to northeast corner of hotel; top of iron post (U. S. C. E. p. b. m. 909)-----	324. 689
Smithland, Ky., on Front Street, in front of one-story frame building belonging to C. B. Davis; cut on stone about 8 by 10 inches, marked "U. S." (U. S. C. E. p. b. m. 909A)-----	338. 678

The following quadrangle names which appear in Bulletin 554 should be changed as noted below:

Evansville to Henderson, Alzey to Uniontown, Goodloe to Prestonsburg, Georgetown to Higginsport, Bethel to Felicity, Laynesville to Harold, Oven Fork to Whitesburg, Rectorville to Springdale, Virgie to Pikeville.

Classification.—No precise leveling was done by the United States Geological Survey in this State from 1914 to 1916, inclusive.

For primary lines standard Y levels are used; lines are run in circuits or are closed on precise lines, with an allowable closing error in feet represented by $0.05\sqrt{D}$, in which D is the length of the circuit in miles, sufficient care being given to the work to maintain this standard. For circuit closures careful office adjustments are made, the small outstanding errors being distributed over the lines.

Bench marks.—The standard bench marks are of two forms. The first form is a circular bronze or aluminum tablet (C and E, Pl. I), $3\frac{1}{2}$ inches in diameter and one-quarter inch thick, having a 3-inch stem, which is cemented into a drill hole in solid rock in the wall of some public building, a bridge abutment, or other substantial masonry structure. The second form (F, Pl. I), used where masonry or rock is not available, consists of a hollow wrought-iron post $3\frac{1}{2}$ inches in outer diameter and 4 feet in length, which is set about 3 feet in the ground. The bottom is spread out to a width of 10 inches in order to give a firm bearing on the earth. A bronze or aluminum-bronze cap is riveted upon the top of the post. A third style of bench mark with abbreviated lettering (B and D, Pl. I) is used for unimportant points. This consists of a special copper nail $1\frac{1}{2}$ inches in length driven through a copper washer seven-eighths inch in diameter. The tablets as well as the caps on the iron posts are appropriately lettered, and cooperation by States is indicated by the addition of the State name (G, Pl. I).

The numbers stamped on the bench marks described in the following pages represent the elevations to the nearest foot as determined by the levelman. These numbers are stamped with three-sixteenths-inch steel dies on the tablets or post caps, to the left of the word "feet." The office adjustment of the notes and the reduction to mean sea level datum may so change some of the figures that the original markings are 1 or 2 feet in error. It is assumed that engineers and others who have occasion to use the bench-mark elevations will apply to the Director of the United States Geological Survey at Washington, D. C., for the adjusted values, and will use the markings as identification numbers only.

Datum.—All elevations determined by the United States Geological Survey and the United States Coast and Geodetic Survey are referred to mean sea level, which is the level that the sea would as-

sume if the influence of winds and tides was eliminated. This level is not the elevation determined from the mean of the highest and the lowest tides, nor is it the half sum of the mean of all the high tides and the mean of all the low tides, which is called the half-tide level. *Mean sea level is the average height of the water, all stages of the tide being considered.* It is determined from observations made by means of tidal gages placed at stations where local conditions, such as long, narrow bays, rivers, and like features, will not affect the height of the water. To obtain even approximately correct results these observations must extend over at least one lunar month, and if accuracy is desired they must extend over several years. At ocean stations the half-tide level and the mean sea level usually differ but little. It is assumed that there is no difference between the mean sea levels determined from observations in the Atlantic Ocean, the Gulf of Mexico, and the Pacific Ocean.

Topographic maps.—Maps of the following quadrangles, wholly or partly in Kentucky, have been published by the United States Geological Survey up to December 31, 1917. They may be obtained, unless otherwise noted, at 10 cents each or \$3 for 50 on application to the Director of the Survey, at Washington, D. C.

State of Kentucky (photolithograph) (25 cents).	Henderson (Ind.-Ky.).
Beattyville.	Hindman.
Buckhorn. ¹	Huntington (W. Va.-Ohio-Ky.).
Calhoun.	Hurley.
Central City.	Inez.
Cincinnati (Ohio-Ky.) double map ² (20 cents).	Ironton (Ohio-Ky.).
Clintwood (Ky.-Va.).	Jefferson County ³ (40 cents).
Cornettsville.	Jonesville (Ky.-Va.-Tenn.).
Cumberland Gap (Ky.-Va.-Tenn.).	Kenova (Ky.-W. Va.-Ohio).
Dawson Springs.	Kosmosdale (Ky.-Ind.). ³
Drakesboro. ¹	Little Muddy. ¹
Dunmor. ¹	Lockport.
Earlington.	London.
East Cincinnati (Ohio-Ky.). ³	Louisville. ¹
Estillville (Ky.-Va.-Tenn.).	Madisonville.
Georgetown.	Manchester.
Gilbert (W. Va.-Va.-Ky.). ⁴	Monticello.
Grundy (Va.-Ky.).	Morganfield.
Harold.	Newburg (Ky.-Ind.).
Harrodsburg.	New Haven (Ill.-Ind.-Ky.). ²
Hartford.	Nortonville. ¹
Hazard. ²	Oceana (W. Va.-Va.-Ky.). ⁴
	Owensboro (Ind.-Ky.).
	Pikeville.

¹ Shows wooded areas.

² Buckhorn and Troublesome maps show parts of Hazard quadrangle on larger scale.

³ Cincinnati double map includes East Cincinnati and West Cincinnati maps.

⁴ Gilbert map shows part of Oceana quadrangle on larger scale.

⁵ Jefferson County map includes parts of Kosmosdale, Louisville, Prospect, and Taylorsville-La Grange maps combined on same scale.

Pound (Va.-Ky.).^{1,2}
 Prestonsburg.
 Princeton.
 Prospect (Ky.-Ind.).³
 Providence.
 Richmond.
 Salyersville.
 Sciotoville (Ohio-Ky.).¹
 Sebree.
 Shawneetown (Ill.-Ky.).

Sutherland.
 Taylorsville and La Grange (portions
 of).^{3,4}
 Tell City (Ky.-Ind.).
 Troublesome.^{1,5}
 Warfield (W. Va.-Ky.-Va.).
 West Cincinnati (Ohio-Ky.).⁶
 Whitesburg (Ky.-Va.).²
 Whitesville.
 Williamsburg (Ky.-Tenn.).

PRIMARY LEVELING.

BAYS QUADRANGLE.

[Latitude 37° 30'–37° 45'; longitude 83°–83° 15'.]

Leveling in 1915 by S. R. Archer.

From point near Swampton north along road down Licking River to mouth of
 Gun Creek.

Swampton post office, 0.49 mile south of, 365 feet north of bend in road to east, 500 feet north of schoolhouse, 220 feet north of house (standing on west side of road), on east side of road on outside of east fence line, in root on north side of elm tree 14 inches in diameter; copper nail-----	Feet. 907. 24
Swampton post office, 0.16 mile west of, in center of road forks about 0.25 mile above mouth at Big Half Mountain Creek, road west leads up Big Half Mountain Creek, on east bank of Licking River, sycamore and maple trees 1 foot in diameter, in root on east side of sycamore tree; copper tack-----	899. 26
Swampton post office, 0.41 mile northwest of, road forks at crossing of small drain from east, on south bank of drain, southeast corner of road forks, in sandstone outcrop; chiseled square-----	903. 52
Swampton post office, 1.40 miles northwest of, 410 feet west of bend in Licking River to south, opposite and 285 feet east of house (standing on south side of river) at small drain from north, on north bank of Licking River, south side of road, in root on west side of sycamore tree 2 feet in diameter; copper tack-----	887. 63
Swampton post office, 2.29 miles northwest of, 800 feet north of road forks (at mouth of Gun Creek), on east side and 5 feet above road, under 3½-foot dead sycamore tree, at foot on road side of large sandstone rock, in top of projection; bronze tablet stamped "902 Ky"---	901. 535

¹ Shows wooded areas.

² Pound map shows part of Whitesburg quadrangle on larger scale.

³ Jefferson County map includes parts of Kosmosdale, Louisville, Prospect, and Taylorsville-La Grange maps combined on same scale.

⁴ Taylorsville-La Grange map includes the incomplete Taylorsville and La Grange maps combined on same scale.

⁵ Buckhorn and Troublesome maps show parts of Hazard quadrangle on larger scale.

⁶ Cincinnati double map includes East Cincinnati and West Cincinnati maps.

BIGSTONE GAP QUADRANGLE.¹

[Latitude 36° 45'–37° ; longitude 82° 45'–83°.]

Leveling in 1915 by S. R. Archer.

From Poor Fork northeast along highways 4 miles up Poor Fork.

Poor Fork, Louisville & Nashville R. R. bridge over Poor Fork of Cumberland River, west stone abutment, top of north end of bridge seat; bronze tablet stamped "1430 Ky."-----	Feet. 1, 430. 196
Poor Fork, 0.77 mile northeast of, opposite residence of William Gillam (standing in bottom on south side of Poor Fork), about 30 feet west of point where road leaves bank of river to go on back side of bottom to east, 30 feet west of telephone pole (standing on north side of road) on north edge of road, top stone (level with road); chiseled square-----	1, 436. 41
Poor Fork, 1.35 miles northeast of, opposite and 125 feet northwest of residence of Jason Jackson, on north side of road, east side of branch from north, in root on north side of 2-foot oak tree; copper nail-----	1, 460. 46
Poor Fork, 2.55 miles northeast of, ford of Poor Fork at Blair school-house and church, 280 feet east of road forks, on east bank of Poor Fork, west side of road leading to school, in trunk on east side of 14-inch water birch tree; copper nail-----	1, 455. 22
Poor Fork, 3.43 miles northeast of, 225 feet north of residence of J. W. Hall, 90 feet north by 80 feet west of small branch from southwest, 80 feet west of road, 175 feet below and 100 feet west of wagon ford of Poor Fork, on west side of river, in rear of J. W. Hall's barn, top sandstone rock; bronze tablet stamped "1486 Ky"-----	1, 486. 486
Poor Fork, 4.06 miles northeast of road crossing mouth of Big Branch from north side of road, west bank of branch at ford of branch, in root on west side of 15-inch cedar tree; copper nail-----	1, 485. 77

Leveling in 1916 by S. R. Archer.

From center of west border of quadrangle along highway east 3 miles, thence south to Kentucky-Virginia boundary line on Little Black Mountain.

Klondike post office, 5.20 miles east of, 450 feet west of road crossing Medley Short or (Pine) Branch, 360 feet west of residence of Right Short, at end of low spur ridge from north, at loop in Clover Fork to south, on south side of road at fence line, in root on north side of 3½-foot chestnut tree; copper nail-----	1, 880. 43
Klondike post office, 6.37 miles east of, about 0.15 mile west of road forks (road to south leads over mountain to head of Jones Creek), 250 feet north by 50 feet west of mouth of Heads Creek, 160 feet south of dwelling house occupied by Frank Short, on west side of private road leading to dwelling, inside of field fence, 10 feet south of southwest corner of old log shop, top of sandstone rock; bronze tablet stamped "1920 Ky."-----	1, 920. 142

¹ For elevations in Virginia in this quadrangle, see Bull. 562, pp. 41–42.

BUCKHORN QUADRANGLE.¹

[Latitude 37° 15'–37° 30'; longitude 83° 15'–83° 30'.]

Leveling in 1915 by S. R. Archer.

From Shoal south along highways to point 0.8 mile south of Confluence.

Confluence post office, about 1.20 miles northeast of, on Middle Fork of Kentucky River, 450 feet south of mouth of Trace Branch, 0.25 mile north of mouth of Grassy Branch, on west bank of Middle Fork, at water's edge, top of large sandstone rock; aluminum tablet stamped "786 Ky." (See Bull. 554, p. 67.)-----	Feet. 786. 110
Confluence post office, 200 feet south of mouth of Wilder Branch, on west bank of Middle Fork of Kentucky River, east side of road, opposite north end of store and post office, in root on road side of elm tree 2½ feet in diameter; copper nail-----	790. 51
Confluence post office, 0.80 mile south of, opposite residence of Jack Fields (standing on east bank of river), 80 feet north of path leading to ford, on west edge of road, in root on road side of 2-foot maple tree; copper nail-----	803. 42

DINGUS QUADRANGLE.

[Latitude 37° 45'–38°; longitude 83°–83° 15'.]

Leveling in 1915 by S. R. Archer and George W. Lucas.

Near Ophir post office.

Ophir post office, 0.15 mile east by 2.67 miles north of, 0.90 mile south of the road forks at mouth of Browns Branch, at ford of Open Fork, in front of residence of Jack Hamilton (standing in bottom on east side of road and creek), on east bank of creek, at south side of private road east, in root on west side of ash tree 3 feet in diameter; copper nail-----	705. 06
Ophir post office, 0.15 mile east by 2.35 miles north of, on open fork of Paint Creek, at south end of intersection of road and creek, 840 feet southwest of mouth of Callhoun or Thorn Hills Branch, 500 feet north of Van Hills Branch, opposite and 425 feet north of Marion Hill's residence, on east side of road, west bank of creek, under 1½-foot maple tree, 4 feet above water, top of south end of sandstone outcrop; bronze tablet stamped "700 Ky."-----	699. 644

FORDS FERRY QUADRANGLE.²

[Latitude 37° 15'–37° 30'; longitude 88°–88° 15'.]

Leveling in 1916 by F. L. Whaley.

From point near Sheridan east along highways to Marion.

Sheridan, 2.7 miles west of, 900 feet north of Sulingers schoolhouse, at T road west, east side of north-south road; iron post stamped "Prim. Trav. Sta. No. 2, 1915, Ky. 499"-----	498. 906
---	----------

¹ For additional elevations, see Bull. 554, pp. 64–69.² For additional elevations, see Bull. 554, pp. 25, 26, 120, 158, 159; for elevations in Illinois in this quadrangle, see Bull. 672.

Sheridan, 1.6 miles west of, 0.3 mile west of Deer Creek Church, southwest corner of road forks, in root of oak tree; copper nail marked "U. S. G. S. Ky. B. M. 524.2"-----	Feet. 524.27
Sheridan, 0.8 mile west of, 300 feet west of old Deer Creek schoolhouse, in root of black-oak tree, south side of road; copper nail marked "U. S. G. S. Ky. B. M." (t. b. m. 539.6)-----	539.66
Sheridan, in Mrs. W. H. Gibb's yard, west corner near store; iron post stamped "528 1916"-----	528.237
Sheridan, 0.79 mile east of, at road forks, 160 feet south of Fred Brown's residence, in root of black-oak tree 18 inches in diameter; copper nail marked "U. S. G. S. Ky. B. M. 511.7"-----	511.79
Sheridan, 2.2 miles east of, at fork of road to Lola, in root of oak tree 24 inches in diameter, across from Mr. Andy Cooper's residence; copper nail marked "U. S. G. S. Ky. B. M. 439.6"-----	439.69
Sheridan, 2.7 miles east of, water level of Deer Creek at Ford April 24, 1916, 3.35 p. m.-----	431.4
Sheridan, 3.3 miles east of, 50 feet west of lane running north one-fourth mile east of Great Western Mine Building, on south side of road, in top of sandstone ledge outcrop; chiseled square (t. b. m. 502.1)-----	502.21
Marion, 5 miles west of, at junction of roads to Salem, Sheridan, and Fredonia, in southwest corner, top of bench; iron post stamped "Ky. 489 1916"-----	489.592
Marion, 4 miles west of, at road forks, top of Moore Hill, in top of sandstone ledge outcrop; chiseled square (t. b. m. 620.1)-----	621.26
Marion, 3 miles west of, at crossroads, 250 feet east of H. H. Clark's residence, in base of telephone pole, southeast corner; copper nail marked "U. S. G. S. Ky. B. M. 653"-----	653.10
Marion, 2.4 miles west of, 500 feet east of road forks, 400 feet south of Oak Grove schoolhouse, in northwest corner of iron bridge; top of bolt head, erroneously marked "608.1"-----	598.22
Marion, 1.7 miles west of, at angle road south, north side of State road, in top of large brown sandstone boulder; chiseled square marked "581.2"-----	581.30
Marion, 1.2 miles west of, at iron bridge over Crooked Creek; water level April 26, 1916-----	521.4
Marion, 0.4 mile west of, top of drain tile under road at junction of Salem road and first street west of Main Street; painted square marked "559.8"-----	559.93
Marion, in northeast corner of county courthouse yard; iron post stamped "Prim. Trav. Sta. No. 1, 1915, 595"-----	595.249
Marion, at southwest corner of yard of Jack Baker, in sandstone wall, on inside of fence line, 1 foot from fence corner; aluminum tablet stamped "594"-----	594.252
From point near Mexico west along highways to Salem. (Parts of line; see also Kuttawa quadrangle.)	
Mexico, 2.7 miles west of, east side of road at junction, 400 feet south of Jeff. Clemen's residence; iron post stamped "404 1916 Ky"-----	403.636
Mexico, 3.8 miles west of, 50 feet east of crossroads and 60 feet west of south end of pond along road, in root of oak tree 12 inches in diameter; copper nail in washer marked "U. S. G. S. B. M. Ky. 429.1"-----	429.06

Salem, 0.8 mile east of, east end of north concrete guard wall of culvert, 500 feet west of T road south; chiseled square marked "410.5"-----	Feet. 410.52
Salem, in west part of town, at northwest corner of crossroads, 6 feet south of town well; iron post stamped "449 Prim. Trav. Sta. No. 3, 1915"-----	448.584

GOLCONDA QUADRANGLE.¹

[Latitude 37° 15'–37° 30'; longitude 88° 15'–88° 30'.]

Leveling in 1916 by F. L. Whaley.

From Golconda, Ill., east along highways in Kentucky to point near Sheridan.

Ohio River, at lower landing across from Golconda, Ill.; water elevation April 12, 1916, at 12.04 p. m.-----	327.9
Joy, 5.6 miles west of, 2.5 miles southeast across Ohio River from Golconda, Ill., in east corner of Mr. J. W. Long's store yard, at northwest corner of crossroads, about 0.5 mile east of lower ferry landing; iron post stamped "366 1916 Ky."-----	365.876
Joy, 5 miles west of, in northwest corner of Cave Springs schoolhouse yard, in root of small oak stump; copper nail marked "U. S. G. S. Ky. B. M. 506.9"-----	506.88
Joy, 3.9 miles west of, at right angle road turn 0.5 mile south of road junction with State road from Golconda, Ill., to Joy, Ky., in root of dead black-oak tree 18 inches in diameter; copper nail marked "U. S. G. S. Ky. B. M. 533.7"-----	533.74
Joy, 3.2 miles west of, 150 feet east of road forks to Carrsville, Ky., top of solid brown sandstone ledge outcrop; chiseled square marked "459.6"-----	459.61
Joy, 2 miles west of, 600 feet east of Mr. E. B. Metcalf's residence, at west corner of dim T road south to Mantle Rock; iron post stamped "535 1916"-----	535.286
Joy, 1.1 miles west of, west corner of crossroads, at foot of steep hill, top of sandstone ledge outcrop; chiseled square marked "573.2"-----	573.23
Joy, in southwest corner of Allen Rice's hotel yard; iron post stamped "429 1916"-----	428.646
Joy, 0.5 mile east of, in northeast wing wall of bridge over Buck Creek; chiseled cut painted "399.5"-----	400.58
Buck Creek at bridge, water elevation, April 14, 1916-----	391.1
Joy, 0.9 mile east of, 100 feet west of T road north, in root of 30-inch white oak tree on south side of road; copper nail marked "U. S. G. S. Ky. B. M. 428.6"-----	428.60
Joy, 1.6 miles east of, in base of telephone pole at east corner of T road south; copper nail marked "U. S. G. S. Ky. B. M. 503.2"-----	504.25
Joy, 2.1 miles east of, southwest corner of Oak Grove schoolhouse yard, top of large brown sandstone boulder marking property corner, north side of road; chiseled square marked "516.5"-----	517.57
Joy, 3 miles east of, 2.5 miles northwest of Lola, at road forks, east side of road, in top of large gray limestone rock; bronze tablet stamped "417 1916 Ky."-----	416.614

¹ For additional elevations, see Bull. 554, pp. 159, 160; for elevations in Illinois in this quadrangle, see Bull. 672.

Joy, 4 miles east of, east side of road, in top of black-oak stump, 100 feet north of Newt. Hume's residence; copper nail marked "U. S. G. S. Ky. B. M. 474.2"-----	Feet. 474. 24
Joy, 5 miles east of, 3 miles south of Hardesty, at T road east, 200 feet south of Mr. Williams's residence, west side of road; iron post stamped "371 1916"-----	370. 856
Joy, 6.6 miles east of, 2.5 miles south of Hardesty, north side of east and west dim road at T road south, 0.39 mile west of, ford over Deer Creek, in root of oak tree; copper nail marked "U. S. G. S. Ky. B. M. 367.6"-----	367. 68
Joy, 7.4 miles east of, 4.1 miles north of Lola, at top of hill east side of Deer Creek, in root of oak tree, front of Huse Rector's barn; copper nail marked "U. S. G. S. Ky. B. M. 412.3"-----	412. 39
Sheridan, 6.4 miles west of, 300 feet west of Mr. Clark's house, in root of old stump, 10 feet north of road; copper nail marked "U. S. G. S. Ky. B. M. 420.8"-----	420. 88
Sheridan, 6 miles west of, in north corner of road forks to Irma, in root of walnut tree 12 inches in diameter; copper nail marked "U. S. G. S. Ky. B. M. 451.7"-----	451. 78
Sheridan, 5.5 miles west of, in southeast wing wall of iron bridge over east fork of Deer Creek; chiseled square marked "344.6"-----	344. 67
Sheridan, 4.5 miles west of, at northeast corner of Oakland Church house yard, in root of oak tree east side of road; copper nail marked "U. S. G. S. Ky. B. M. 461.2"-----	461. 28
Sheridan, 3.6 miles west of, 1 mile west of Sulinger's schoolhouse in root of small oak tree about 500 feet east of Ephraim Nation's residence; copper nail marked "U. S. G. S. Ky. B. M. 500.7"-----	500. 80
From Salem west along highway to Bayou Landing. (Parts of line; see also Smithland quadrangle.)	
Salem, 0.5 mile west of, at road forks, west end of south guard wall of concrete bridge; chiseled square marked "416.4"-----	416. 37
Salem, 1.5 miles west of, northwest abutment of iron bridge over Sandy Creek; chiseled square marked "393.3"-----	393. 27
Salem, 1.5 miles west of, water level of Sandy Creek, May 2, 1916, at 3.40 p. m.-----	387. 5
Salem, 2 miles west of, at northwest corner of crossroads, in top of old elm stump, 10 feet south of fence corner; railway spike driven vertically marked "414.2"-----	414. 16
Salem, 2.7 miles west of, in northeast corner of Old Salem schoolhouse yard, near Old Salem Church; iron post stamped "461 Ky. 1916"-----	460. 564
Salem, 3.8 miles west of, top of high hill, in base of telephone pole in front of Mr. J. D. Wiggin's residence; railway spike driven horizontally marked "653"-----	652. 99
Salem, 4.8 miles west of, in trunk of 24-inch oak tree, 50 feet west of yard gate, front of M. C. Millen's residence; railway spike driven horizontally marked "638. 2"-----	638. 19
Salem, 5.4 miles west of, 1.8 miles east of Burna, at T road north, 250 feet west of G. W. Riddle's residence, in top of old post at foot of telephone pole at road junction; copper nail marked "U. S. G. S. Ky. B. M. 601.8"-----	601. 84

Bayou, 2.9 miles east of, north end of Culbert schoolhouse yard, in root of oak tree south side of road; copper nail marked "U. S. G. S. Ky. B. M. 506"-----	Feet. 505.98
Bayou, 2.1 miles east of, 600 feet north of McMurray Chapel, 40 feet south of west corner of road junction at T road south, west side of road; iron post stamped "562 1916 Ky."-----	562.000

HARLAN QUADRANGLE.¹

[Latitude 36° 45'-37°; longitude 83° 15'-83° 30'.]

Leveling in 1915 by S. R. Archer.

From point 3.9 miles south of Asher southeast along highways to Harlan.

Asher post office, 5.07 miles south of, opposite and 60 feet southwest of mouth of Peter Branch, on west bank of Beech Fork, south side of road, on opposite side of road and 40 feet east of storehouse, in root on south side of sycamore tree 1½ feet in diameter; copper nail-----	1,095.94
Asher post office, 6.11 miles south of, 765 feet south of road forks (opposite mouth of Old House Branch), on lower side of road, under 1½-foot walnut tree; top of large sandstone rock; chiseled square-----	1,142.92
Asher post office, 7.13 miles south of, 39 feet south of mouth of Big Laurel Branch, on east bank of Beech Fork, west side of road, in root on road side of 2 foot lin (basswood) tree; copper nail-----	1,165.77
Helton post office, 1.25 miles northeast of, 300 feet north of mouth of Big Branch, on east bank and 5 feet above water level of Beech Fork, in sandstone outcrop; bronze tablet stamped "1199 Ky."-----	1,198.796
Helton post office, 1.25 miles northeast of, thence 0.56 mile southeast of, opposite mouth of Sims Branch, on west bank of Beech Fork, 4 feet above water, in root on east side of 1-foot cedar tree; copper nail-----	1,218.18
Helton post office, 1.25 miles northeast, thence 1.68 miles south of, opposite mouth of Mile Branch, on east bank of Beech Fork, in root on east side of 2-foot walnut tree; copper nail-----	1,266.16
Helton post office, 1.25 miles northeast, thence 2.51 miles south of, 210 feet north of mouth of Cawood Branch, on lower side of road, east bank of Beech Fork, 3 feet above water's edge, top of large sandstone rock; chiseled square-----	1,312.10
Helton post office, 1.25 miles northeast, thence 3.62 miles southeast of, 350 feet north of mouth of Rubens Branch, at old splash dam, on east side of road and Beech Fork, at bend in road to southeast, top of large white sandstone rock; bronze tablet stamped "1429 Ky."-----	1,429.777
Bledsoe post office, 0.5 mile northeast, thence 2.15 miles northwest of, 110 feet west of mouth of Chumley Branch, on north bank of Beech Fork, front of residence of Henry Creech, at junction of road and creek, in root on north side of 14-inch oak tree; copper nail-----	1,495.54

¹ For additional elevations see Bull. 554, pp. 76-77.

	Feet.
Bledsoe post office, 0.5 mile northeast, thence 1.09 miles northwest of, 0.23 mile south of mouth of Georges Branch, on east side of road, opposite residence of Robert Creech, 70 feet west of Beech Fork, 15 feet south of barn, 25 feet north of store, in root on northwest side of 10-inch oak tree; copper nail.....	1, 616. 84
Bledsoe post office, 0.5 mile northeast of, just north of last forks of Beech Fork, 140 feet east of road forks, 60 feet west of highway bridge over Beech Fork, on north side and 20 feet from road, top of large sandstone rock; bronze tablet stamped "1798 Ky.".....	1, 798. 556
Bledsoe post office, about 1.6 miles east of, 0.12 mile east of low gap, between heads of Beech Fork and Laurel Fork of Greasy Creek, road forks on north side of Laurel Fork at foot of north side of Pine Mountain, 25 feet south of center of triangle of road forks, on east side of south road, in root on west side of 2-foot oak tree; copper nail.....	1, 893. 42
Bledsoe post office, 1.6 miles east, thence 0.83 mile south of, on north side of Pine Mountain about halfway up, on second prominent bench from top, at west end of loop in road to west, on west edge of road, 20 feet north of bend in road to east, in root on road side of 2½-foot maple tree; copper nail.....	2, 364. 52
Gatun station, 2.45 miles north of, top of Pine Mountain, in low gap at point where road leaves top of mountain to descend to Poor Fork of Cumberland River, 0.10 mile east of gap where road crosses mountain, on north side of road, east side and 12 feet above gap, top of sandstone rock outcrop; bronze tablet stamped "2707 Ky.".....	2, 707. 995
Gatun station, 1.31 miles north of, 140 feet south of forks of Tom Jones Branch of Poor Fork of Cumberland River, about halfway of hill on south side of Pine Mountain, 20 feet west and 2 feet lower than road, east bank of branch, 15 feet north of north side of large, flat, sandstone rock, opposite large sandstone rock (standing on edge on east side of road), on road side at foot of 14-inch cedar tree, top of sandstone rock; chiseled square.....	1, 967. 59
Gatun station, 225 feet east of station board, on east side of road crossing railroad, south end of stone railroad culvert over Tom Jones Branch, top of east end of lower layer of headstone; chiseled square.....	1, 184. 59
Baxter, 1.07 miles east of, Louisville & Nashville R. R. concrete culvert over mouth of Bill Nolan Branch, north side of railroad, top of east end of concrete guard wall; chiseled square.....	1, 174. 64
Baxter, 60 feet south of Louisville & Nashville R. R. depot, top of west end of parapet wall of north abutment of Louisville & Nashville R. R. bridge over Cumberland River; bronze tablet stamped "1173 Ky.".....	1, 173. 703
Baxter, 0.75 mile south of, about middle way of curve of Louisville & Nashville R. R. around end of spur ridge from west, 100 feet north of residence owned by Robert Metcalfe (standing on lower side of track) 30 feet east of track, at edge of embankment, top of sandstone outcrop; chiseled square.....	1, 175. 51
Harlan (Mount Pleasant), 20 feet east of, east corner of Harlan County courthouse; iron post stamped "1197 Lexington" (Bull. 554, p. 76).....	1, 197. 061

From point near Baxter northeast along Louisville & Nashville R. R. to point
0.7 mile east of Rhea station.

Gatun station, 0.90 mile east of, at Ross Point post office, at south end of incline over Pine Mountain, 170 feet east by 100 feet south of mail crane, 150 feet east, thence 100 feet south of railroad culvert over branch from north, 100 feet east by 100 feet south of second road crossing railroad, 50 feet south of right-of-way line in field, top of sandstone rock; bronze tablet stamped "1194 Ky."-----	Feet. 1, 194. 690
Rhea station, 1 mile west of, 760 feet east of east end of railroad tunnel, 100 feet east of sign post "Water station 1 mile," south side of track, north bank of Poor Fork, in root on east side of oak stump 2½ feet in diameter; copper nail-----	1, 209. 51
Rhea station, 400 feet west of road crossing railroad, on west side of road, north side of track, just inside of right of way at cattle guard, top of sandstone rock outcrop; chiseled square-----	1, 225. 07
Rhea station, 0.75 mile east of, 100 feet east by 40 feet north of road crossing railroad, on north side of railroad and highway, 40 feet east of 2-foot chestnut tree, at edge of road, top of sandstone rock; chiseled square-----	1, 232. 11
Rhea station, 0.75 mile east of, 130 feet east, thence 60 feet north of road crossing railroad, 150 feet east of Elijah Sargent's residence, in orchard on north side of railroad and highway, inside of fence, top of sandstone rock; bronze tablet stamped "1238 Ky."-----	1, 238. 114

Leveling by S. R. Archer in 1916.

From Harlan east along Louisville & Nashville R. R. up Clover Fork to Ages
at east border of quadrangle.

Harlan (Mount Pleasant), 20 feet east of east corner of courthouse; iron post stamped "1197 Ky."-----	1, 197. 061
Harlan (Mount Pleasant), in plank flooring on north side at center of highway bridge over Clover Fork; 16-penny spike-----	1, 178. 8
Harlan station, 0.80 mile east of, south side of main track, north end of Harlan Gas Coal Co.'s tipple, track side of top of concrete foundation of middle pillar; chiseled square-----	1, 195. 09
Harlan station, 1.56 miles east of, 300 feet west of milepost "L 244 C 72," on north side of track, front of Rex Coal Co.'s tipple, top of rock outcrop; chiseled square-----	1, 208. 06
Nubert station, 0.14 mile west of, Louisville & Nashville R. R. bridge over Clover Fork, west concrete abutment, top of north end of parapet wall of; chiseled square-----	1, 211. 70
Wood station (Black Joe post office), 100 feet northwest of station sign, opposite and 40 feet west of store and post office, on north side of main track, between main track and switch leading to Wallins Creek Coal Co.'s tipple, top of north end of iron drain pipe under track; painted square-----	1, 217. 42
Coxton station, 160 feet east of, 130 feet northeast of Lick Branch Coal Co.'s tipple, north side of track, in face of southeast corner of concrete foundation of Coxton Amusement Co. theater; bronze tablet stamped "1229 Ky."-----	1, 229. 378
Ages station, 300 feet west of Louisville & Nashville R. R. concrete culvert over Ages Creek, top guardrail, north side of track; chiseled square-----	1, 245. 30

From Cawood northwest along highway down Martin Fork to Harlan.

Cawood post office, 0.96 mile west of, at mouth of Bobs Creek, on west bank of Martin Fork, south bank of Bobs Creek, in root on west side of east and larger one of two sycamore trees, 5 feet apart, 24 and 15 inches each in diameter; copper nail.....	Feet. 1, 243. 73
Cawood post office, 2.33 miles northwest of, at mouth of Luther Branch, 30 feet west of road, 20 feet south of branch, in field, in root on road side of 2-foot elm tree; 16-penny spike.....	1, 239. 77
Cawood post office, 2.84 miles northwest of, 775 feet south of mouth of Turkey Creek, 150 feet east of road, 50 feet south of school-house, in top of large sandstone rock; bronze tablet stamped "1255 Ky.".....	1, 254. 650
Cawood post office, 3.94 miles northwest of, 100 feet west of road crossing mouth of Osbourne Branch, opposite and 35 feet east of D. S. Farmer's residence, on north edge of road, in root on road side of 10-inch persimmon tree; 16-penny spike.....	1, 237. 95
Grays Knob post office, 1.32 miles northeast of, at Pine Branch schoolhouse, about 0.08 mile south of bend in Martin Fork, at right angle to east, about 0.20 mile below mill dam, on west side of road, south side of branch, from northwest near a water birch, in root on northeast side of a sycamore, both trees 1 foot in diameter; 16-penny spike.....	1, 214. 81
Grays Knob post office, opposite and about 0.35 mile east of, at mouth of Pine Branch, north side of Martin Fork, south side of road, west side of branch, in root on north side of sycamore tree 1½ feet in diameter; 16-penny spike.....	1, 207. 52
Grays Knob post office, 250 feet north of post office and Wilson & Berger Coal Co.'s office and store, Louisville & Nashville R. R. bridge over Mill Creek, north abutment, top of east end of parapet wall, 2 feet from end; chiseled square.....	1, 218. 14
Grays Knob post office, 0.76 mile west of, just east of bend in Martin Fork to east, at mouth of Upper Napper Branch (log house standing in mouth of), 160 feet south of railroad culvert over branch, on west side of branch, 1½ feet above bed and at edge of water, top of large sandstone rock; bronze tablet stamped "1208 Ky.".....	1, 207. 825
Harlan station, 2.07 miles south of, on Louisville & Nashville R. R. (Martin Fork Line) 0.80 mile south of mouth of Catrons Creek, opposite south house of four houses standing on west side of track, 160 feet north of switch to northeast leading to coal tippie, on east side of tracks and road, in root on east side of locust tree 2 feet in diameter, on fence line; 16-penny spike.....	1, 187. 68
Harlan station, 1.27 miles southwest of, Louisville & Nashville R. R. trestle over Catrons Creek, top of east end of plank parapet wall at south end of trestle; 16-penny spike.....	1, 183. 32
Harlan, 900 feet west of Louisville & Nashville R. R. depot, railroad bridge over mouth of Martin Fork, on west abutment, top of south end of parapet wall; chiseled square.....	1, 177. 97
Harlan, highway bridge over Clover Fork at, center of bridge, in flooring; spike.....	1, 178. 8

From point 1.3 miles south of Layman along Louisville & Nashville R. R. north-east to Baxter.

Layman post office, 1.30 miles south of west bank of Forrester Creek, 200 feet west of residence of Frank Saylor, in rock; aluminum tablet stamped "1158 Lex."-----	Feet. 1, 158. 036
NOTE.—Bulletin 554, page 77, gives this mark as an iron post, which is incorrect, as an aluminum tablet was set at this point.	
Layman station, 40 feet east of station sign, 20 feet south of track, west side of highway, in root on east side of 1-foot sycamore tree; copper nail-----	1, 112. 84
Ameron station, 260 feet west of Louisville & Nashville R. R. concrete culvert over highway and Jessies Creek, north side of track, 5½ feet east of west end, top guard wall; chiseled square-----	1, 114. 95
Ameron station, 0.87 mile northeast of, opposite and 40 feet west of mouth of Laurel (or Hugh Howards) Branch, 300 feet west of middle point of curve in track to southeast, 30 feet east of west end of cut, on north side of track, top of sandstone rock projecting from cut, about level with rail; chiseled square-----	1, 132. 46
Wallins station, 0.48 mile west of, 300 feet west of west end of switch, south side of track, stone culvert under railroad, top of east end; chiseled square-----	1, 126. 32
Wallins station, 640 feet northwest of, Louisville & Nashville R. R. concrete bridge over road and branch from west, on west side of track, top of south end of; chiseled square-----	1, 128. 22
Wallins station, top of rail in front of-----	1, 133. 6
Wallins station, 0.20 mile southeast of Louisville & Nashville R. R. concrete bridge over mouth of Wallins Creek, on south side of track, 10 feet east of west end of top of guard wall; bronze tablet stamped "1131 Ky."-----	1, 131. 345
Wallins station, 0.80 mile northeast of, 40 feet north of residence of Calvin Unthank, on east side of track at edge of fill, 3 feet lower than top of rail, on top of sandstone rock; chiseled square-----	1, 132. 95
Wallins station, 1.69 miles northeast of, 0.43 mile south of milepost "C 62 L 234 B 31," 780 feet south of house standing on east side of track, top of east end of stone culvert under railroad over drain from east; chiseled square-----	1, 143. 38
Wilhoit station, 1.19 miles west of, 3.05 miles northeast of Wallins station, top of north end of concrete railroad culvert over mouth of Hiram Saylor Branch; bronze tablet stamped "1137 Ky."-----	1, 137. 080
Wilhoit station, 0.46 mile northwest of, 270 feet south of point of curve to west, top of west end of stone culvert under track, at small drain from west, on line with junction of timber and clearing to west; chiseled square-----	1, 149. 79
Wilhoit station, 0.35 mile east of, Louisville & Nashville R. R. concrete bridge over highway and Ewing Creek, north side of track, top of west end of side wall; chiseled square-----	1, 148. 60
Emerling station, 0.26 mile northwest of, top of north end of east abutment of Louisville & Nashville R. R. bridge over Cumberland River; bronze tablet stamped "1165 Ky."-----	1, 165. 129
Baxter, 1.93 miles west of, 100 feet north of residence of Dick Farley (standing on hillside west side of track), top of west end of iron drain pipe under railroad; painted square-----	1, 168. 93

Baxter, 1.02 miles west of, in rear of residence of Enoch Creech, 400 feet northwest of east end of storage tracks, top of east end of stone culvert under railroad; chiseled square.....	Feet. 1, 169. 97
Baxter, 60 feet south of Louisville & Nashville R. R. depot, top of west end of parapet wall of north abutment of Louisville & Nashville R. R. bridge over Cumberland River; bronze tablet stamped "1173 Ky.".....	1, 173. 703
From Wallins south along Louisville & Nashville R. R. to Ginseng Branch, thence along highways southwest and west to point near southwest corner of quadrangle.	
Wallins, 1 mile south of railroad crossing small branch from east, 240 feet southwest of Jim Shackelford's residence, on east side of track, 30 feet west of east right of way line in branch, in root on east side of east one of two sycamore trees each 1 foot in diameter; copper nail.....	1, 169. 75
Wallins, 2.10 miles south of, railroad bridge over Meadow Creek, 100 feet west of Banner Fork Coal Co.'s tipple, at north end of bridge under main track, top of west end of concrete base to trestle-work (3 feet lower than track); top of chiseled square.....	1, 246. 55
Wallins, 3.20 miles south of, at mouth of Ginseng Branch, 160 feet southwest of railroad crossing, old bed of Ginseng Branch, 30 feet north by 90 feet west of north end of Louisville & Nashville R. R. trestle over Wallins Creek, about in center of bottom at mouth of branch, on highest point of land in bottom, top of large sandstone rock; bronze tablet stamped "1325 Ky.".....	1, 324. 711
Wallins, 3.20 miles south by 1.15 miles southwest of, in bed of Ginseng Branch near south bank, on south side of trail crossing branch, on top of large sandstone rock; chiseled square.....	1, 808. 55
Wallins, 3.20 miles south by 1.60 miles southwest of, at head of Ginseng Branch, on lone spur ridge between last forks, at southwest corner of residence of John Scott, in root on south side of chestnut stump; copper nail.....	2, 433. 72
Wallins, 3.20 miles south by 2 miles southwest of, 25 feet north by 65 feet east of center of gap in ridge between Ginseng Branch of Wallins Creek and Jackson Mill Branch of Puckett Creek, 34 feet lower than gap, on Ginseng Branch side, at foot on lower side of cluster of three lin trees, 1, 2, and 2 feet in diameter (one 2-foot tree broken off 16 feet above ground), on top projection of sandstone outcrop; bronze tablet stamped "2887 Ky.".....	2, 887. 191
Hulen station, 7.7 miles southeast of, at head of Jacksons Mill Branch of Puckett Creek, 30 feet west of small drain to right, 110 feet east of drain to left (heads up against Forresters Creek) in front of last house (standing on left side of branch), occupied by Henry Wilder, in creek bed, at south bank, top of sandstone outcrop; chiseled square.....	2, 380. 49
Hulen station, 7.17 miles southeast of, 0.32 mile east of forks of Jackson Mill Branch, on left fork, in front of residence occupied by Sherman Lawson, west side of trail crossing Jackson Mill Branch, on north bank of fork, at ford, top of sandstone rock; chiseled square.....	1, 833. 44
Hulen station, 6.85 miles southeast of, at forks of Jackson Mill Branch, 1.03 miles above its mouth, 30 feet northwest of intersection of forks, on east side of fork to northeast, on west side of trail to northeast, top of sandstone rock; chiseled square.....	1, 583. 13

	Feet.
Hulen station, 6 miles southeast of, on Jackson Mill Branch, 0.19 mile above its mouth, on west side of branch and road, opposite and 275 feet west of residence of Josh Howard, 150 feet northwest of Josh Howard's barn, 65 feet north of road crossing branch, at foot on east side of low spur ridge from north, 40 feet west of road, top of sandstone rock; bronze tablet stamped "1326 Ky."-----	1, 326. 228
Hulen station, 5.13 miles southeast of, 75 feet west of mouth of Gilberts Branch, south side of road, north bank of Puckett Creek, in root on north side of 3-foot oak tree, 4 feet from tree; copper nail-----	1, 243. 19
Hulen station, 4.68 miles southeast of, 70 feet west of road crossing mouth of Path Fork, on south side of road, in root on south side of elm tree 2½ feet in diameter; copper nail-----	1, 218. 24
Hulen station, 3.57 miles southeast of, at mouth of Cox Branch, on Puckett Creek, in front of Howard's store, south side of road, east bank of branch, north bank of Puckett Creek, in root on south side of 2½-foot gum tree; copper nail-----	1, 172. 45
From Wallins north along highway over Pine Mountain and Kentucky Ridge and down Middle Fork of Kentucky River to north border of quadrangle. (Leveled twice north of Straight Creek.)	
Wallins station, 640 feet northwest of, Louisville & Nashville R. R. concrete bridge over road and drain from west, on west side of track, top of south end of bridge; chiseled square-----	1, 128. 223
Wallins station, 0.57 mile northeast of, 440 feet northeast of small branch from north, 300 feet northeast of house standing on north side of road, 100 feet south of point in road where trail to north (leading up spur to main Salt Trace Trail) leaves road, 150 feet north of top of rise in road, at upper end of bottom on south side of road, 30 feet north of fence, east side of road, west bank of river, top of sandstone outcrop; chiseled square-----	1, 155. 27
Wallins station, 1.46 miles northwest of, on Salt Trace Trail across Pine Mountain, in gap in spur ridge from north, at point where trail crosses gap to descend to ford of Laurel Branch, southeast corner of trail intersection, in root on southwest side of 1-foot oak tree; copper nail-----	1, 630. 19
Wallins station, 2.45 miles northwest of, on Salt Trace Trail across Pine Mountain, 0.88 mile west of ford of Laurel Branch, at point where trail crosses spur ridge (at second stop after trail hits top of spur) between first and second gaps in ridge, on east edge of trail, top of sandstone outcrop; chiseled square-----	2, 329. 00
Wallins station, 3.40 miles northwest of, on Salt Trace Trail across Pine Mountain, 0.42 mile east of Trace Gap, at south end of pond, 20 feet west of forks of trail, on west side of trail leading to Trace Gap, top of sandstone rock; chiseled square-----	2, 298. 49
Wallins station, 3.80 miles northwest of, in Trace Gap, at top of Pine Mountain, 60 feet north of point where trail crosses center of gap, on east side and about 15 feet higher than gap, top of large sandstone rock; bronze tablet stamped "2219 Ky."-----	2, 218. 998
Wallins station, 4.75 miles northwest of, on Straight Creek, at foot of north side of Pine Mountain, 175 feet north of mouth of Salt Trace Branch, 60 feet north of house standing in northeast corner of intersection of creek and branch, on east side of Salt Trace Branch, in root on east side of 2½-foot oak tree; copper nail-----	1, 210. 73

	Feet.
Wallins station, 5.02 miles northwest of, on east bank of Salt Trace Branch of Straight Creek, 0.27 mile above its mouth, at northeast corner of schoolhouse, west side of road, top of sandstone rock; bronze tablet stamped "1262 Ky."-----	1, 262. 624
Wallins station, 5.72 miles northwest of, on Salt Trace Branch of Straight Creek, 1 mile above its mouth, 70 feet northwest of wagon ford of creek, 140 feet south of house occupied by John Wilson (standing between road and creek), on west side of road, top of large sandstone rock; chiseled square-----	1, 599. 40
Wallins station, 6.15 miles northwest of, road forks at last main forks of Salt Trace Branch of Straight Creek, road to northeast leads to Stagger Branch of Middle Fork of Kentucky River, 30 feet north of junction of branches, 50 feet south of front of Elijah Howard's residence, on west bank of branch to north, top of sandstone rock; chiseled square-----	1, 743. 32
Asher post office, 14.33 miles southwest of, road crossing top of gap between Right Fork of Salt Trace Branch of Straight Creek and Stagger Branch of Middle Fork of Kentucky River, at Harlan-Leslie county line, 50 feet northwest of gap, on west side of road, in root on south side of 15-inch poplar tree; copper nail-----	2, 107. 56
Asher post office, 13.38 miles southwest of, at mouth of Stagger Branch of Middle Fork of Kentucky River, 85 feet west of road forks, between house and store of John D. Wilson, top of large sandstone rock; bronze tablet stamped "1628 Ky."-----	1, 628. 362
Asher post office, 12.23 miles southwest of, on Middle Fork of Kentucky River, road crossing mouth of Mays Branch, south bank of branch west side of road, 7 feet above branch, in side of large sloping sandstone rock; chiseled square-----	1, 473. 09
Asher post office, 11.20 miles southwest of mouth of Spruce Pine Branch on Middle Fork of Kentucky River, 120 feet east of mouth, on north bank of Spruce Pine Branch, in root on north side of 3-foot oak tree; copper nail-----	1, 326. 08
Asher post office, 10.64 miles south of, 200 feet south of mouth of Turkey Creek, 170 feet south of wagon ford of Middle Fork of Kentucky River, on west side of road, east bank of river, top of large sandstone rock; bronze tablet stamped "1295 Ky."-----	1, 294. 969
Asher post office, 9.36 miles southwest of, 130 feet south of mouth of Roark Branch, 405 feet north of mouth of Marrowbone Branch, on east bank of Middle Fork of Kentucky River, in root on northwest side of 2-foot pine tree; copper nail-----	1, 246. 57
Asher post office, 8.14 miles southwest of, 0.32 mile south of mouth of Rye Cove Branch, 550 feet south of schoolhouse, 50 feet east of Middle Fork, on east side of road, in top of projection at southwest corner (west face) of large sandstone rock; bronze tablet stamped "1214 Ky."-----	1, 214. 809
Asher post office, 7.46 miles southwest of, 90 feet north of mouth of War Branch, on east bank of Middle Fork, west side of road, top of large sandstone rock; chiseled square-----	1, 193. 92
Asher post office, 6.94 miles southwest of, trail crossing river, 150 feet north of mouth of Mud Lick Branch, east bank of river, north side of trail, top of large sandstone rock; painted square-----	1, 157. 8

	Feet.
Asher post office, 6.34 miles southwest of, 0.08 mile southwest of mouth of Elk Branch, wagon ford of Middle Fork of Kentucky River, on east side of ford, north bank of river, top of large sandstone rock; chiseled square-----	1, 121. 77
Asher post office, 5.67 miles southwest of, on east bank of Middle Fork of Kentucky River, opposite mouth of White Oak Branch, in root on west side of 3-foot sycamore stump 25 feet high; copper nail-----	1, 094. 24
Asher post office, 5.50 miles southwest of, 885 feet northeast of mouth of White Oak Branch, 0.17 mile southwest of mouth of Ginseng Branch and War Branch post office, 150 feet northeast of splash dam, on east bank of Middle Fork of Kentucky River, on west side of and below road, about 7 feet above bed of river, top of large sandstone rock; bronze tablet stamped "1093 Ky."-----	1, 093. 628
From mouth of White Oak Creek east along road up Greasy Creek to point near northeast corner of quadrangle.	
Napier post office, 6.36 miles northwest of, 650 feet north of mouth of White Oak Creek, 550 feet north of residence standing at junction of road and creek, on west side of road, on east bank of White Oak Creek, in face of large sandstone rock; bronze tablet stamped "1088 Ky."-----	1, 088. 21C
Napier post office, 6.25 miles northwest of, on south bank of Greasy Creek at ford about 400 feet west of mouth of White Oak Creek, on east side of road leading to ford, at edge of bank, in root on west side of 2½-foot beech tree; copper nail-----	1, 080. 46
Napier post office, 4.93 miles northwest of, 240 feet northeast of residence of John Jackson, 85 feet northeast of store building, 35 feet east and 8 feet below road, 35 feet north of small drain, on west bank of Greasy Creek, in root on north side of 2-foot oak tree; copper nail-----	1, 116. 16
Napier post office, 3.66 miles northwest of, road crossing mouth of Tan Trough Branch, on north side of road, east side of branch, in root on road side of 2-foot walnut tree; copper nail-----	1, 121. 10
Napier post office, 2.52 miles northwest of, on east bank of Greasy Creek, 60 feet north of mouth of Dollar Branch, top of back side of large sandstone rock; chiseled square-----	1, 137. 76
Napier post office, 0.83 mile west of, 650 feet west of mouth of Abner Creek, 280 feet north of schoolhouse, on north bank of Greasy Creek, in face at west end of sandstone cliff; bronze tablet stamped "1178 Ky."-----	1, 177. 815
Napier post office, 0.50 mile east of, at mouth of Gabes Branch, in southwest angle of junction of Gabes Branch and Greasy Creek, in root on south side of third tree from east end of row of small sycamore trees 8 inches in diameter; copper nail-----	1, 209. 72
Napier post office, 1.64 miles east of, opposite and 50 feet east of mouth of Lick Branch, on south bank of Greasy Creek, top of large sandstone rock; chiseled square-----	1, 243. 38
Napier post office, 2.35 miles east of, at mouth of Rockhouse Creek on west bank, in root on west side of 2-foot sycamore tree; copper nail-----	1, 267. 75

HAROLD QUADRANGLE.¹

[Latitude 37° 30'–37° 45'; longitude 82° 30'–82° 45'.]

Leveling in 1914 by S. R. Archer.

From Coal Run north and northwest along highway to point near Brandy Keg, thence south to point near Bull Creek station.

Coal Run, Cheasapeake & Ohio Ry. station platform, north side of track, top of southeast corner; top of bolthead painted white-----	Feet. 675.52
NOTE.—Old t. b. m. in telephone pole destroyed.	
Coal Run, 160 feet west of B. & J. Weddington's store, 90 feet west of T road to north, east abutment of highway bridge over mouth of Stonecoal Creek, north end; chiseled cut-----	669.58
Coal Run, 0.91 mile northeast of, 75 feet north of road, 30 feet southeast of mouth of east fork, on east bank of Stonecoal Creek, in cluster of three sycamore trees 1 foot in diameter, in root on east side of west tree; two 8-penny nails-----	662.70
Coal Run, 1.75 miles northeast of, on west bank of Stonecoal Creek, north bank of small branch, residence owned by Renns Burnett and occupied by Elic Blackburn stands on east side of creek opposite branch, in root on south side of sycamore stump 3½ feet in diameter, about 12 feet high; two 8-penny nails-----	700.31
Coal Run, 2.29 miles northeast of, at forks of Stonecoal Creek, 40 feet east of creek intersections, northwest corner of Jim Clevinger's store, at bottom of corner foundation, in top flat stone; chiseled cross-----	732.32
Coal Run, 3.08 miles northeast of, 0.80 mile north of forks of Stonecoal Creek, 75 feet north of residence of Mary Gillman standing on west side of road, on east edge of road, in top of stump about level with road; 8-penny nail-----	849.85
Coal Run, 3.55 miles northeast of, in gap between left fork of Stonecoal Creek and left fork of Miller Creek, 75 feet south of house standing on east side of road, 40 feet south of top of gap, on west side and 4 feet above road, top of rock outcrop; chiseled cross-----	1,058.14
Coal Run, 4.07 miles northeast of, road forks at head of Miller Creek, road southwest leads to Cowpen Creek, road southeast to Stonecoal Creek, on east side of road at forks, near center of stone retaining wall to fill (laid rough), in top stone; chiseled cross-----	899.92
Coal Run, 4.21 miles northeast of, 750 feet north of forks of road at head of Miller Creek, 125 feet south of residence of Henry Stratton standing on east side of road, on west edge of road and 3½ feet above top of rock outcrop; bronze tablet stamped "895 Ky"-----	895.352
Coal Run, 4.92 miles northeast of, 230 feet southwest of mouth of Moss Camp Branch, on east bank of Miller Creek, opposite junction of road and creek, in front of old log house, in root on east side of walnut tree 1 foot in diameter; two 8-penny nails-----	807.82
John post office, 1.91 miles southeast by 0.97 mile south of, south bank of mouth of small drain from east, front of residence of Will Hamilton, 30 feet northwest of barn, east bank of Miller Creek, at fence line, in root on creek side of sycamore tree 8 inches in diameter; spike-----	731.45

¹ For additional elevations, see Bull. 554, pp. 41–44.

	Feet.
John post office, 1.91 miles southeast of, at mouth of Miller Creek on Johns Creek, steel highway bridge over Johns Creek, south concrete abutment, top of west end; bronze tablet stamped "706 Ky"-----	706. 281
John post office, 0.98 mile south of, opposite Ingram Leslie's residence standing on south side of Johns Creek, about 0.30 mile east of mouth of Caney Creek, 300 feet east of house standing on north side of creek, south side of road, in center of road forks, on top of rock; chiseled cross-----	699. 46
John post office, 0.26 mile south of, southeast corner of porch of schoolhouse on west side of road, in bottom of foundation in top of flat rock; chiseled cross-----	695. 61
John post office, front of residence of Mrs. Tom May, east side of road, north side of branch from east, 3 feet south of beech tree 3 feet in diameter, in top of old stone curbing wall 4 inches above ground; chiseled cross-----	692. 71
John post office, 0.39 mile northwest of, opposite and 50 feet south of residence of Helen Leslie, 60 feet north of branch from east, 15 feet south of southwest corner of barn, on east side of road, in root on south side of ash tree (top cut off) 2½ feet in diameter; two 8-penny nails-----	701. 85
John post office, 1.34 miles northwest of, 50 feet south of branch from east, 25 feet east of northeast corner of schoolhouse, west side of road, 200 feet south of residence of J. H. Leslie, in root on south side of ash tree 18 inches in diameter; two 8-penny nails-----	697. 19
Gulnare post office, 560 feet south of, 250 feet north of mouth of Sycamore Creek, 540 feet north of John Scott & Co. store, 400 feet north of road forks, west edge of road, east bank of Johns Creek, in top of large rock; bronze tablet stamped "694 Ky"-----	693. 706
Gulnare post office, 0.78 mile northwest of, road forks about 0.25 mile east of mouth of Drift or Martin Scotts Branch, 120 feet west of road forks and ford, north bank of Johns Creek, south side of road, in root on east side of forked soft-maple tree 4 feet in diameter; two 8-penny nails-----	676. 68
McCombs post office, 0.45 mile south of, road forks about 0.30 mile south of mouth of Doc Jackson Branch, northwest corner of road forks, in root on southeast side of sycamore tree 14 inches in diameter used as corner fence post; two 8-penny nails-----	678. 50
McCombs post office, at south bank of mouth of branch from east, 30 feet east of road, 90 feet south of store, in root of walnut tree 1 foot in diameter; two 8-penny nails-----	669. 77
McCombs post office, 0.68 mile northwest of, north bank of Johns Creek, 400 feet west of bend to west, 250 feet east of branch from northeast, 400 feet east of residence of Amos Spear, south side of road, at foot of black-ash tree 15 inches in diameter, top of sandstone rock; bronze tablet stamped "677 Ky"-----	676. 931
McCombs post office, 1.45 miles northwest of, 80 feet north and opposite mouth of Missouri Branch, west side of road, east bank of Johns Creek, in root on east side of beech tree 2½ feet in diameter, south tree of row; spike-----	664. 44
Thomas post office, 2.15 miles south of, 30 feet south of branch from east, front of Jake Gunnell's residence standing on east side of road, west side of road, in root on road side of box-elder tree 2 feet in diameter; two 8-penny nails-----	674. 32

Thomas post office, 1.23 miles southwest of, road forks, opposite mouth of Bevins Branch, 30 feet north of forks, west side of road, in base of telephone pole; spike-----	Feet. 687. 43
Thomas post office, 235 feet southwest of post office, 400 feet east of mouth of Brushy Fork, south bank, east side of road at ford, at foot of buckeye tree 1 foot in diameter, on top of sandstone rock; bronze tablet stamped "655 Ky"-----	654. 460
Thomas post office, 1.12 miles northwest of, east bank of Johns Creek, north side of ford, west side of road, 75 feet north of mouth of branch from southwest, 200 feet south of residence of Bailey Frailey standing on east side back from road, in root on east side of sycamore tree 3 feet in diameter; two 8-penny nails-----	652. 89
Thomas post office, 1.75 miles northwest of, 35 feet north of mouth of Elm Log Branch, east bank of Johns Creek at bend to west, west side of road, in root on road side of beech tree 3 feet in diameter; two 8-penny nails-----	654. 33
German post office, 2.30 miles east of, 350 feet north of mouth of Mill Creek, 60 feet above water level of Johns Creek, at point of road crossing end of low spur from northeast, north side and 8 feet above road, in top of sandstone outcrop; bronze tablet stamped "701 Ky"-----	700. 949
German post office, 1.25 miles east of, opposite and 150 feet east of residence of F. Pinion standing on south side of Johns Creek, 70 feet east of mouth of small branch from north, north bank of Johns Creek, south side and 6 feet below road, at water's edge, in root on sycamore tree 3 feet in diameter (leaning over creek); spike-----	646. 61
German post office, 0.14 mile east of, 650 feet east of mouth of Buffalo Creek, 230 feet east of point of spur and road forks, north side of Johns Creek and highway, in face of sandstone rock; bronze tablet stamped "660 Ky"-----	659. 899
German post office, 1.46 miles north of, 540 feet north of mouth of branch from east, 400 feet north of house standing on west side of road, 35 feet northwest of northwest corner of schoolhouse, at east edge and 2½ feet above road, in root on east side of tree 1 foot in diameter; spike-----	656. 38
German post office, 1.72 miles northwest of, 80 feet west of mouth of Copperas Creek, in front of Elic Crider's store, north bank of Johns Creek, 12 feet south of road, in top of sycamore stump 15 inches in diameter; spike-----	644. 29
German post office, 2.90 miles northwest of, 300 feet west of bend in Johns Creek to west, 425 feet east of Tom Martin's residence (standing on north side of road), 50 feet west and opposite creek from small box house, 370 feet west of small branch from northeast, south edge of road at top of small rise, in top of sandstone rock; chiseled cross-----	653. 34
Edgar post office, 1.15 miles southeast of, on south side of road, north bank of Johns Creek opposite mouth of Souders Creek, in root of twin elm tree (each fork 2½ feet in diameter); spike-----	636. 66
Edgar post office, 900 feet east of, 700 feet northeast of mouth of Dicks Creek, 180 feet east of road forks, opposite house standing on lower side of road, north side of road, in sandstone outcrop; bronze tablet stamped "661"-----	660. 449

Edgar post office, 120 feet west of Clines store, south side of road, north bank of Johns Creek, in root on road side of beech tree 2½ feet in diameter; spike-----	Feet. 641. 25
Edgar post office, 0.78 mile southwest of, front of east side of residence of Jim Simpson, east side of road, 60 feet north of bend in road to southwest, on west bank of Johns Creek, in root northwest side of sour-wood tree 14 inches in diameter; spike-----	641. 62
Brandy Keg post office, 1 mile north and 1.29 miles southeast of, 300 feet west of S. W. McGuire's residence standing on north side of road back in field, in southwest corner of wooden bridge over branch from north, top of rock; chiseled cross-----	629. 56
Brandy Keg post office, 1 mile north of, just east of mouth of Frogonery Branch and just below what is known as Ratliff's Ford, at steel highway bridge over Johns Creek, north concrete abutment, top of east end of bridge seat; bronze tablet stamped "644 Ky"---	643. 325
Brandy Keg post office, 0.14 mile north of, 150 feet north and 100 feet west of point where road crosses top of Brandy Keg Gap, 100 feet west of road in field, 160 feet north of house standing on west side of road in gap, in root on southeast side of maple tree 2½ feet in diameter; two fence staples-----	676. 83
Bull Creek station, 0.20 mile north of, at road forks on north side of Levisa Fork of Big Sandy River, at northwest corner of bridge (wooden) over Brandy Keg Creek, in root on west side of elm tree 12 inches in diameter; two 8-penny nails-----	624. 59
Bull Creek station, 0.20 mile northwest of Chesapeake & Ohio Ry. bridge over mouth of Bull Creek, east concrete abutment, top of south end of bridge seat; aluminum tablet stamped "635"-----	634. 392
From point near Brandy Keg north and west along highway down Johns Creek to Nero.	
Brandy Keg post office, 2.23 miles north of, at ford of highway across Johns Creek, at mouth of Burchett Branch, 350 feet west of "Lige" Wells's residence, 80 feet north of storehouse, east side of road leading to ford, south bank of Johns Creek, in root on east side of sycamore tree 2½ feet in diameter; spike-----	625. 41
Dewey post office, 1.24 miles southeast of, 150 feet west of Roe Hyden's residence standing on north side of road, about 0.20 mile east of west end of loop in Johns Creek to west, north edge of road opposite west end of barn, in root on road side of elm tree 14 inches in diameter; spike-----	638. 88
Dewey post office, 0.41 mile southeast of, wooden highway bridge over mouth of Shoal Branch, 120 feet west of G. R. Stratton's residence, southeast corner of bridge, top of timber sleeper; spike-----	621. 68
Dewey post office, 290 feet north of road forks, 160 feet north of branch from west, 75 feet northeast of northeast corner of school-house, 20 feet west of road, east side of west road-fence line, in top of rock outcrop; bronze tablet stamped "654 Ky"-----	653. 606
Dewey post office, 1.03 miles northeast of, at ford of highway across Johns Creek, on east bank of Johns Creek, 100 feet northeast of mouth of branch from east, 40 feet north of road, 80 feet southwest of residence of John Porter, cluster of four sycamore trees, in root of south side of northeast tree; spike-----	615. 34

Dewey post office, 1.57 miles northeast of, 1.16 miles southwest of mouth of Daniels Creek, 80 feet north of old schoolhouse standing on east side of road, west edge of road, east bank of Johns Creek, at top of small rise in road, top of large rock; chiseled cross-----	Feet. 629. 75
Dewey post office, 2.42 miles northeast of, 100 feet east of mouth of Long Branch, 0.30 mile south of Daniels Creek, north side of road, south bank of Johns Creek, in root on road side of beech tree 2½ feet in diameter; spike-----	616. 30
Dewey post office, 2.81 miles northeast of road forks, 500 feet north of mouth of Daniels Creek, on east bank of Johns Creek, 50 feet south of road forks, 35 feet west of northwest corner of schoolhouse, west edge of road, in root on creek side of bushy-topped elm tree 2½ feet in diameter; spike-----	607. 71
Nero post office, 0.25 mile west by 0.62 mile southeast of, 0.95 mile west of mouth of Daniels Creek, south side of road crossing low spur ridge from northeast, at bend in main road to north, at foot of hill at back side of field in bottom of what is known as Widow Webb's farm, 80 feet northeast of road forks, 150 feet east of North East Coal Co.'s house, standing on west side of road to north, in projection of large sandstone rock; bronze tablet stamped "618 Ky"-----	617. 749
From divide between Old Road Fork of Coldwater Creek and Little Branch of Wolf Creek southwest along highway to mouth of Wolf Creek.	
Eden (Inez), 12 miles south of, top divide between Old Road Fork of Coldwater Fork and Little Branch of Wolf Creek, top gap, west side of point where trail crosses, top of east one of two large sandstone rocks; chiseled cross "U. S. B. M."-----	1, 199. 16
Eden (Inez), 12.80 miles south of, on Wolf Creek at mouths of Little and Big branches, on east side of and 60 feet north of end of low spur between branches, 150 feet northwest of mouth of Little Branch, on west side and 8 feet above, in top of sandstone outcrop; bronze tablet stamped "698"-----	697. 757
Thomas post office, 5.25 miles north of, mouth of Maynard Fork on Wolf Creek, 240 feet west of Splash Dam, north bank of Wolf Creek, east bank of Mill Branch at mouth, in root on creek side of beech tree 2½ feet in diameter; spike-----	694. 28
Thomas post office, 5.25 miles north of, mouth of Maynard Fork on Wolf Creek, in top large bare root on west side of walnut tree 14 inches in diameter; two 8-penny nails-----	698. 25
Thomas post office, 4.40 miles north of, mouth of Panther Fork of Wolf Creek, north bank of Wolf Creek, east bank of Panther Fork, in root on east side of sycamore tree 2 feet in diameter near beech tree of same size; two 8-penny nails-----	710. 71
Thomas post office, 4 miles northeast of, on Wolf Creek, 0.37 mile south of Panther Fork, 0.30 mile south of Andy McCoy's residence, on east bank of Wolf Creek, west side of road, in top of stone foundation northeast corner of schoolhouse; bronze tablet stamped "727 Ky"-----	726. 748
Thomas post office, 3 miles northeast of, mouth of Cow Fork on Wolf Creek, 50 feet south of junction and between forks, at point of cleared land in bottom between forks, in base on south side of willow tree (leaning trunk) 8 inches in diameter; two nails-----	756. 48

Thomas post office, 2 miles northeast of, 0.62 mile north of Wolf Gap, on Wolf Creek, at last forks of Wolf Creek, 160 feet south of forks of creek, east side of south fork and road, in face of rock outcrop 5 feet above road; bronze tablet stamped "815 Ky"-----	Feet. 814. 678
Thomas post office, 0.30 mile east by 1.04 miles north of, top of what is known as Wolf Gap divide between Wolf Branch of Brushy Fork and Wolf Creek, on west side of road at top of gap, in root on road side of beech tree 2½ feet in diameter; two 8-penny nails-----	955. 46
Thomas post office, 0.30 mile east of, road forks at Wolf Branch of Brushy Fork, on south side of road, at forks, northeast corner of house, in top of stone at corner of foundation; chiseled cross-----	673. 03
Thomas post office, 235 feet southwest of post office, 400 feet east of mouth of Brushy Fork, on south bank, east side of road at ford, at foot of buckeye tree 1 foot in diameter, in top of sandstone rock; bronze tablet stamped "655 Ky."-----	654. 460

Near Odds on Daniels Creek.

Odds post office, 1.20 miles southwest of, just north of mouth of Dog Fork of Daniels Creek, 110 feet west of bend in road to north, front of southwest corner of church, north edge of road, in root on southwest side of walnut tree 14 inches in diameter; two 8-penny nails-----	620. 39
--	---------

Leveling in 1915 by S. R. Archer.

From Meathouse Creek west along highways on Wolf Creek to mouths of Big and Little branches.

McClure post office, 5.49 miles southwest of mouth of McGee Branch on Wolf Creek, at 80 feet west of mouth of branch, south bank of Wolf Creek, west tree of two sycamore trees 1 foot in diameter, in west side of; copper nail-----	664. 01
McClure post office, 6.26 miles southwest of, 0.77 mile west of McGee Branch, at mouth of small branch from north, center of road, in line with west end of Ben Harden's residence, 15 feet south of foot of bank, on north side of Wolf Creek, in root on east side of sycamore stump 2 feet in diameter; copper nail-----	673. 37
Eden (Inez), 12.80 miles south of, on Wolf Creek, at mouth of Big and Little branches, on east side of and 60 feet north of end of low spur between branches, 150 feet northwest of mouth of Little Branch, on west side and 8 feet above in top of sandstone outcrop; bronze tablet stamped "698 Ky"-----	697. 757

From point near Jarad west along highway down Brushy Fork to Thomas.

Thomas post office, 7.38 miles southeast of, 60 feet west of road crossing mouth of Robinson Branch, on north side of road, 15 feet from gate leading to barn in hollow, in rock outcrop; chiseled square-----	714. 88
Thomas post office, 6.70 miles southeast of, about 250 feet northeast of mouth of Lowe Branch, at point in road at end of low spur ridge from north, on south side of road, north bank of Brushy Fork, at south end of gate; in root on east side of poplar tree, 1 foot in diameter; copper nail-----	710. 55

Thomas post office, 5.93 miles southeast of, at point in road opposite mouth of Scott Branch, 0.30 mile south of schoolhouse, fourth-class road to south at, 40 feet north of and 12 feet above road, 10 feet northeast of small walnut and bushy buckeye trees, top of end of low spur ridge from northeast, in top of sandstone outcrop; bronze tablet stamped "717 Ky."-----	Fect. 717. 235
Thomas post office, 4.94 miles southeast of, at road crossing Joe Taylor Branch, 60 feet north of branch, 25 feet north of storehouse standing on east side of road, on east edge of road at bend in road to west, top of sandstone rock; chiseled square-----	707. 87
Thomas post office, 4.16 miles southeast of, north bank of Brushy Fork, about 0.30 mile northwest of mouths of Mill Fork and Still Branch, 175 feet west of road forks, on south side and 3 feet below road, in trunk of 2-foot hollow sycamore tree; copper nail---	686. 67
Thomas post office, 3.61 miles southeast of, on east bank of Brushy Fork and north bank of Billy Branch at mouth, 50 feet west of road, in root on northeast side of sycamore tree 3½ feet in diameter; copper nail-----	683. 21
Thomas post office, 2.51 miles southeast of, 60 feet east of house of B. Maynard (standing on north side of road), 30 feet north and 11 feet above road, on east bank of small drain from north, on south side of sycamore tree 3 feet in diameter, on top of stone in roots; bronze tablet stamped "697 Ky."-----	697. 077
Thomas post office, 1.50 miles southeast of, mouth of Big Branch on Brushy Fork, at west side of road at bend and forks of road, 30 feet south of branch, 15 feet northeast of fence corner, in root on south side of beech tree 4 feet in diameter; copper nail-----	669. 40
Thomas post office, 0.75 mile east of, road crossing mouth of Kitten Narrow Branch, on west bank of branch and south side of road, at northeast corner of yard to house, on road side of fence, top of sandstone rock; chiseled square-----	655. 10
From John east along highways up Johns Creek to Joel.	
John post office, 1.91 miles southeast of, at mouth of Miller Creek, steel highway bridge over Johns Creek, top of west end south concrete abutment; bronze tablet stamped "706 Ky."-----	706. 281
John post office, 3.10 miles southeast of, road crossing mouth of Lowe Branch, on east side of road, south side of branch, 300 feet south of Adrian Lowe's store, 7 feet above branch, in root of beech tree 18 inches in diameter grown in sandstone ledge; copper nail-----	700. 51
John post office, 3.66 miles southeast of, at road forks at mouth of Pincent Branch, road leading west to mouth of Joes Creek, north side and 7 feet above Pincent Branch, 40 feet east of road, top southwest corner of large sandstone rock ledge; chiseled square---	714. 08
Deskin post office, 2.95 miles southeast of, 140 feet west of mouth of Hurricane Branch, 40 feet southeast of east side of schoolhouse, west side of Johns Creek and south side of branch, in root on west side of sycamore tree (roots exposed); 40-penny spike-----	889. 90
McClure post office, 4.44 miles southwest of, at mouth of Meathouse Creek, on west bank of Wolf Creek, opposite schoolhouse at water's edge, top of large sandstone rock; bronze tablet stamped "655 Ky."-----	654. 655

HENDERSON QUADRANGLE.¹

[Latitude 37° 45'–38°; longitude 87° 30'–87° 45'.]

Primary leveling in 1913 by U. S. Corps of Engineers.

Along Ohio River.

Owensboro, 29 miles below, on the property of Mrs. Major, in open field, 150 feet from top of high bank, 2 miles below Green River, 0.75 mile above Henderson-Evansville Traction Ferry; iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. monument 93):	Feet.
Top of cap.....	369. 47
Top of bolt.....	366. 44
Owensboro, 30.5 miles below, on property of Posey & Rackett, at edge of cottonwood timber, 1,450 feet from the top of high bank, about 0.75 mile below Henderson-Evansville Traction Ferry, between two large sloughs; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 97):	
Top of cap.....	368. 08
Top of bolt.....	365. 05
Owensboro, 32 miles below, on property of Henry Posey, just below the property of Jack McClain, 800 feet from top of high bank, near line of large elms; 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 103):	
Top of cap.....	368. 64
Top of bolt.....	365. 62
Owensboro, 33.5 miles below, on edge of road in front of property of Thomas Mann, 100 feet from the top of high bank, about 0.5 mile above point opposite the Evansville Waterworks; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 107):	
Top of cap.....	370. 39
Top of bolt.....	367. 36
Owensboro, 35 miles below, on property of Thomas Dixon, 1,150 feet from top of high bank, in middle of farm road, directly opposite Evansville Wharf; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 111):	
Top of cap.....	372. 20
Top of bolt.....	369. 17
Owensboro, 37 miles below, on property of J. E. Rankin, 300 feet from top of high bank, near downstream river corner of corner, 2 miles below Evansville, Ind.; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 113):	
Top of cap.....	370. 40
Top of bolt.....	367. 37

¹ For additional elevations, see Bull. 554, pp. 107, 150–153; for elevations in Indiana in this quadrangle, see Bull. 555, p. 19.

Owensboro, 39 miles below, on property of the McClain heirs, 450 feet from top of high bank, on mound at side of crib, 4 miles below Evansville, Ind.; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 117) :	
Top of cap-----	Feet. 371.29
Top of bolt-----	368.26
Owensboro, 43 miles below, on property of L. Kleiderer, 2 feet from property line fence, 1,150 feet from the top of high bank, 8 miles below Evansville, Ind.; 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 127) :	
Top of cap-----	377.04
Top of bolt-----	374.01
Henderson, 1.5 miles above, on the Atkinson Park property, on left bank of Ohio River, 15 feet toward river from top of road cut; 2-inch galvanized iron pipe set on a 4 by 4 inch concrete pedestal (U. S. C. E. base line station 135) :	
Top of cap-----	460.13
Top of bolt-----	457.10
Henderson, 1.5 miles below, on property of John Bowerle, 500 feet from top of high bank, 75 feet from road, 400 feet above residence, directly opposite downstream corner of cemetery; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 155) :	
Top of cap-----	414.95
Top of bolt-----	411.92
Henderson, 3 miles below, on property of Martin heirs, just below top of high bank of Highland Creek, 1,150 feet from top of high bank of Ohio River; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 165) :	
Top of cap-----	385.87
Top of bolt-----	382.84
Henderson, 5 miles below, on edge of timber on property of Miss Florence Washburne, 1,400 feet from the top of high bank, 50 feet below property-line fence; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 175) :	
Top of cap-----	398.50
Top of bolt-----	395.48
Henderson, 8 miles below, in the road, 0.5 mile from the top of high bank, on property of Charles Kister; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 183) :	
Top of cap-----	369.60
Top of bolt-----	366.57
Henderson, 10.5 miles below, on property of M. A. Duggins, in front of small house, 700 feet from top of high bank; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 189) :	
Top of cap-----	366.36
Top of bolt-----	363.33

Henderson, 13 miles below, on property of Posey & Rackett, at rear of house, 1,150 feet from the top of high bank, opposite head of Diamond Island; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 195) :	
Top of cap.....	Feet. 361. 51
Top of bolt.....	358. 49
Henderson, located in the northwest corner of courthouse yard, in grass plat, south of brick pavement on south side of Main Street, east of concrete walk through courtyard, 38.3 feet east of curb line on south side of Washington Street, 28.7 feet south of curb line on south side of Main Street, 16.7 feet from northwest corner at bottom of concrete base of cannon mounting; a regulation iron pipe 4 inches by 4 feet, mounted on a concrete base 18 by 18 by 4 inches (U. S. C. E. b. m. 798+) :	
Top of cap.....	394. 27
Top of bolt.....	390. 19
Leveling in 1914 by E. C. Bibbee.	
From Henderson west along highways to point near Smith Mills, thence southeast to Corydon.	
Henderson, at top of slope of paved wharf, 100 feet north of Second Street, directly opposite alley, 59.22 feet, 268° 30' 30" to corner of iron column, 207.88 feet, 289° 28' to northeast corner of tobacco warehouse; iron post stamped "U. S. C. E. P. B. M. 798".....	387. 720
Henderson, in south corner of front window sill of Planters State Bank; aluminum tablet stamped "399 Vin.".....	401. 087
Henderson, 1.26 miles southwest of, at south end of Main Street, on west side of public road, on fire plug painted red; white paint spot.....	393. 49
Henderson, 2.11 miles southwest of, on Uniontown road, on south end of tile on east side of public road; highest point.....	377. 52
Henderson, 3.25 miles southwest of, in center of limestone header on east side of culvert, 75 feet north of blacksmith shop, 300 feet north of Threemile School; chiseled square.....	380. 16
Henderson, 4.15 miles southwest of, in forks of Uniontown and Corydon roads, 300 feet southwest of J. N. Russelbaugh's residence; iron post stamped "387".....	387. 445
Henderson, 5.15 miles southwest of, on east side of road, in root of elm tree 4 feet in diameter, at lane leading to John Stronberg's residence; copper nail.....	390. 81
Geneva, 1.35 miles east of, on east side of road, 1 foot west of fence opposite Ben Willet's residence, on 10 by 10 inch limestone rock; chiseled square.....	392. 76
Geneva, 0.44 mile east of, on north side of road, 200 feet southwest of abandoned colored schoolhouse, in root of white-oak stump; copper nail.....	388. 99
Geneva, at southeast corner of crossroads, in B. E. Nesbit's yard; iron post stamped "Office of Experiment Station, U. S. Department of Agriculture, El. 386".....	386. 509
Geneva, 0.88 mile west of, on south side of road in front of New Hope Baptist Church, in root of white oak tree 2 feet in diameter; copper nail.....	384. 82

Geneva, 1.91 miles west of, north end of tile drain under pike, 600 feet east of John Gibson's residence; highest point.....	Feet. 382. 80
Smith Mills, 2.20 miles east of, on south side of public road opposite T road north, 200 feet west of Ed. Martin's residence; iron post stamped "382".....	382. 497
Smith Mills, 1.47 miles east of, on Uniontown road, on west abut- ment north side of drain under road; chiseled square.....	368. 02
Corydon, 3.90 miles north of, 20 feet north of T road east, in root of black-oak tree 4 feet in diameter in center of public road; copper nail.....	409. 70
Corydon, 3.23 miles north of, in northeast corner of Midway School yard; iron post stamped "471".....	471. 512
Corydon, 2.34 miles northwest of, 20 feet west of Rock Creek, 5 feet north of center of public road, in root of catalpa tree 4 feet in diameter; copper nail.....	382. 43
Corydon, 0.81 mile north of, in center of east abutment of small con- crete header over 4-foot steel drain; chiseled square.....	408. 01
Corydon, on west side of Main Street, in south edge of limestone doorsill, in main entrance of public schoolhouse; aluminum tablet stamped "459".....	458. 619

HURLEY QUADRANGLE.

[Latitude 37° 15'–37° 30'; longitude 82°–82° 15'.]

Leveling in 1914 by E. E. Harris.

From point near Paw Paw, Va., north along Big Sandy & Cumberland R. R. to
Hurricane Creek.

Paw Paw station, Va., 2.6 miles north of, 400 feet north of house, north side of track; rock marked "U. S. B. M. 916".....	915. 58
Upper Elk Creek, 1,000 feet south of mouth of, west side of track, in sandstone rock; chiseled square marked "U. S. B. M. 873".....	872. 74
Middle Elk Creek, Eli Hurley's house, in concrete foundation of well; bronze tablet stamped "855".....	855. 264

Leveling in 1915 by S. R. Archer.

From point 2.7 miles northeast of Coleman along highway via Coleman to a
point 3.2 miles west.

Phelps post office, 2.26 miles southwest of, 270 feet west of mouth of Goff Branch from north, 420 feet west of house (standing on north side of road at mouth of branch), on south side of road, north bank of Right Fork of Peter Creek, on north side of elm tree 3 inches in diameter, in root; 2 fence staples.....	947. 98
Coleman, 0.43 mile north of, 175 feet south of mouth of Calloway Branch, on west side of creek and road, 8 feet east of fence line in root on north side of two-forked willow tree, each fork 8 inches in diameter; 2 fence staples.....	1, 002. 31
Coleman, at forks of Right Fork of Peter Creek, on east side of creek, southwest corner of George Dotson's store building, top of stone foundation; chiseled square.....	1, 030. 54

	Feet.
Coleman, 150 feet west of forks of Right Fork of Peter Creek, on north side of Road Fork, in schoolhouse yard, 70 feet north of rear of schoolhouse, at foot of hilltop, sandstone boulder; bronze tablet stamped "1039 Ky."-----	1, 039. 175
Coleman, 1.1 miles west of, 400 feet east of mouth of Bee Hollow, 350 feet east of tenant house owned by George Dotson (standing on south side of Road Fork of Peter Creek), on north bank of creek, south side of road, in root on east side of elm tree 20 inches in diameter; two fence staples-----	1, 166. 66
Coleman, 2.09 miles west of, on Road Fork of Right Fork of Peter Creek, front of residence of Perry Dotson, north bank of creek, south side of road, beech tree 2½ feet in diameter, in root on road side; two fence staples-----	1, 317. 30
Coleman, 2.82 miles west of, 410 feet east of gap in divide between Road Fork of Right Fork of Peter Creek and Road Fork of Johns Creek, on north side and 4 feet above road, 20 feet northeast of oak tree 3 feet in diameter (standing on south side of road), in sandstone ledge; bronze tablet stamped "1698 Ky."-----	1, 698. 175
Coleman, 2.94 miles west of, road crossing divide between Road Fork of Right Fork of Peter Creek and Road Fork of Johns Creek, 30 feet northwest of center of gap, north side of road, on south side of walnut tree 2½ feet in diameter, in root; fence staple-----	1, 780. 70
Simers post office, 2.34 miles northwest thence 3.38 miles east of, at head of Road Fork of Johns Creek, at foot of west side of hill between Road Fork of Right Fork of Peter Creek and Road Fork of Johns Creek, 30 feet north of forks of creek, on north side of road, under small chestnut tree 8 inches in diameter, top sandstone outcrop; chiseled square-----	1, 452. 90
From point 2.3 miles northwest of Simers along highways up Long Fork, down Second Fork and Big Creek, and up Levisa Fork to mouth of Buckeye Branch, Va. (parts of line).	
Simers post office, 1.27 miles east of, fork of trail at head of Long Fork of Johns Creek, road south leading across hill to Second Fork of Big Creek, 120 feet northwest of road forks and junction of creeks, north side of creek, at foot of hill, top of sandstone outcrop; chiseled square-----	1, 445. 32
Simers post office, 1.71 miles east of, top of divide between Long Fork of Johns Creek and Second Fork of Big Creek, on west side of trail, 40 feet southwest of center of gap, in root on east side of chestnut tree 2 feet in diameter; copper nail-----	1, 789. 31
Nigh post office, 1.10 miles east and 2.36 miles north of, at forks of creek at head of Second Fork of Big Creek, foot of south side of hill crossing divide between Long Fork of Johns Creek and Second Fork of Big Creek, 230 feet south of deserted house (standing on west side of Left Fork), 40 feet south of creek intersection, on east side of creek and road, in root on northeast side of maple tree 2 feet in diameter; copper nail-----	1, 315. 22
Nigh post office, 1.10 miles east by 1.61 miles north of, at mouth of Spruce Pine Fork of Second Fork of Big Creek, west bank of Second Fork, north bank of Spruce Pine Fork, east side of trail, at grown-together pine 10 inches and beech 18 inches in diameter, in root on west side of pine; copper nail-----	1, 145. 63

Nigh post office, 1.10 miles east by 0.84 mile north of, on Second Fork of Big Creek, at trail crossing creek, near mouth of hollow from west, west side of road, south side of creek, black-gum tree (known as the 1-mile tree) 2 feet in diameter, in root in trail side of; copper nail.....	Feet. 996. 30
Nigh post office, 1.10 miles east of, on west side of Second Fork of Big Creek, 300 feet north of mouth, in face of rock cliff, bronze tablet stamped "863 Ky.".....	862. 677
Mouthcard post office, 0.2 mile north of, at mouth of Feds Creek, 100 feet north of ford of Feds Creek, west side of river road, in root on road side of oak tree 5½ feet in diameter (hollow at foot); copper nail.....	806. 52
Mouthcard, 1.06 miles southeast of, at road forks, opposite and 125 feet northwest of mouth of Hackney Creek, on east bank of Levisa Fork, at water's edge, west side and 4 feet below road, 40 feet northwest of road forks at ford, in root on road side of birch tree 1 foot in diameter; copper nail.....	826. 10
Mouthcard, 2.10 miles southeast of, at mouth of Hackney Creek, 50 feet north of road forks, on east bank of Hackney Creek at fence line, top of rock; chiseled square.....	839. 42
Mouthcard, 2.90 miles southeast of, at road forks on south bank of State Line Branch, on north side of east trail, 10 feet north of northeast corner of barn, in root on west side of mulberry tree 1 foot in diameter; copper nail.....	884. 56
Buckeye Branch, Va., opposite mouth of, east side of road, in top of large sandstone rock; bronze tablet stamped "944 Va.".....	943. 937
Simers post office, 2.34 miles northwest, thence 3.03 miles east of, at mouth of Blackberry Fork on Road Fork of Johns Creek, 200 feet southeast of creek intersection, on north side of main creek, 100 feet south of house standing between forks, in root on north side of beech tree 2 feet in diameter; two 8-penny nails.....	1, 382. 48

HYDEN QUADRANGLE.

[Latitude 37°-37° 15'; longitude 83° 15'-83° 30']

Leveling in 1915 by S. R. Archer.

From point 0.8 mile south of Confluence south along highways to point 3.9 miles south of Asher.

Confluence post office, 1.92 miles south of, 175 feet south of Beech Grove Church, 300 feet south of Peach Orchard Branch, 0.13 mile north of mouth of Hell for Certain Creek, at top of west bank of Middle Fork of Kentucky River, east side of trail, top sandstone rock; bronze tablet stamped "814 Ky".....	814. 157
Dry Hill post office, 1.81 miles north of, at mouth of Sugar Camp Branch, on south side of branch, west side of road, east bank of Middle Fork of Kentucky River, four sycamore trees in cluster, in root of 2-foot sycamore tree (second tree from south end), on road side; copper nail.....	796. 48
Dry Hill post office, 0.82 mile north of, 300 feet south of mouth of Polly Murell Branch, 30 feet north of road forks, east bank of Middle Fork of Kentucky River, south side of road, two sycamores and one elm tree in cluster, in root on east side of 3½-foot sycamore tree; copper nail.....	804. 25

Dry Hill post office, 0.21 mile north of, 250 feet north of road forks, 170 feet south of schoolhouse, opposite and 240 feet north of mouth of Bull Creek, about 700 feet north of mouth of Cutshin Creek, on east side of Middle Fork of Kentucky River and highway, 50 feet east and 23 feet above road, in face of sandstone cliff; bronze tablet stamped "843 Ky"-----	Feet. 843. 199
Dry Hill post office, 0.82 mile south of, at residence of Molly Riley, on north side of road, east side of small drain from north, on road side in root of 2-foot sycamore tree, top of sandstone rock; chiseled square-----	824. 57
Dry Hill post office, 1.69 miles south of, at bend in river to east, 70 feet southeast of residence of W. M. Sizemore, east side of road, south side of small drain from west, west bank of Middle Fork of Kentucky River, in root on road side of sycamore tree 2½ feet in diameter; copper nail-----	814. 53
Hyden, 3.57 miles north of, opposite and about 300 feet west of mouth of Ellison Branch, 800 feet west of schoolhouse, 50 feet west of house standing on north side of road, on north edge of road, on top of stone, between roots on road side of 2-foot beech tree; chiseled square-----	832. 83
Hyden, 2.85 miles north of, about 0.50 mile north of mouth of Asher Branch, at ford of Middle Fork of Kentucky River, on north bank of river, 16 feet above water, on west side of road leading to ford, at fence line; top of large sandstone rock; bronze tablet stamped "824 Ky."-----	824. 043
Hyden, 2.24 miles north of, 220 feet south of road forks (road to west leads to mouth of Asher Branch), on east side of Middle Fork of Kentucky River, west edge of road, front of residence of Jonah Begley, in root on north side of haw tree 5 inches in diameter; copper nail-----	859. 90
Hyden, 1.06 miles northeast of, at wagon ford of Middle Fork of Kentucky River, on west bank of river, east side of road, 100 feet south of ford, in root on road side of sycamore tree 3 feet in diameter (first tree south of ford); copper nail-----	820. 46
Hyden, Leslie County courthouse, southwest corner, in face of sandstone water table; bronze tablet stamped "870 Ky."-----	869. 903
Hyden, 0.50 mile south of, road forks in bed of Middle Fork of Kentucky River, about 0.10 mile north of mouth of Hurst Branch, on west side of road and river bed, at foot of rise (where road to south ascends river bank), top of large sandstone rock; chiseled square-----	828. 44
Hyden, 2.02 miles south of, 120 feet west of road forks at mouth of Short Creek, on north side of creek and road, 60 feet east of front of house standing on north side of road, on east side of sycamore tree 1½ feet in diameter, in root; copper nail-----	841. 13
Hyden, 3.21 miles south of, opposite mouth of Muncy Creek, on east bank of Middle Fork of Kentucky River, 17 feet above water, 50 feet south of south side of ford, on west side of road, in root on road side of beech tree 2½ feet in diameter; copper nail-----	855. 34
Hyden, 4.20 miles south of, road forks at mouth of Hurricane Branch, east bank of Middle Fork of Kentucky River, north side and 20 feet east of mouth of branch, west side of road, in root on east side of 3-foot sycamore tree; copper nail-----	852. 32

Hyden, 4.90 miles south of, 750 feet north of mouth of Burnt Camp Branch, at bend in Middle Fork of Kentucky River and road to south, on north bank of river, on south side, and 12 feet under road, 60 feet west of bend in road to south, 25 feet west of three-pronged elm tree, about 10 feet above water level, top of sandstone cliff; bronze tablet stamped "857 Ky."-----	Feet. 857. 200
Hyden, 5.92 miles south of, 0.88 mile southwest of mouth of Burnt Camp Branch, at west end of loop to west, in Middle Fork of Kentucky River around long low spur ridge from east, 325 feet south of point where road on north side of spur ridge turns to south, about in line with center of top of spur ridge, 30 feet east of road, at foot of hill, at mouth of small drain, 60 feet east of forked birch tree 3 feet in diameter, 100 feet east of 3-foot sycamore tree, 140 feet northeast of 3-foot sycamore tree, all standing on bank of river at water's edge, on east side of 2-foot beech tree; copper nail-----	868. 85
Hyden, 6.57 miles south of, wagon ford of Middle Fork of Kentucky River, at mill and dam on south side of loop in river and road to west, around long low spur ridge from east, 100 feet below ford, north bank of river, south side of road, top of large sandstone rock; chiseled square-----	861. 06
Hyden, 7.25 miles south of, at private ford of Middle Fork of Kentucky River, about 0.10 mile above mouth of Johns Creek, opposite and 135 feet east of residence of Wilson Morgan, 50 feet east of point where road leading to ford leaves main road, north bank of river, south side of road, two 8-inch water birch and one 5-inch gum tree in cluster; in root on road side of northeast birch tree; copper nail-----	866. 04
Hyden, 8.25 miles south of, 50 feet south of mouth of Joe Morgan Branch, on west side of road, in root on road side of sycamore tree 1 foot in diameter; copper nail-----	876. 15
Hoskinson post office, 3.29 miles north of, opposite and 540 feet south of mouth of Lower Bad Creek, on west bank and 20 feet above water level of Middle Fork of Kentucky River, on east edge of road, top of large flat sandstone rock; chiseled square-----	894. 98
Hoskinson post office, 2.20 miles north of, 225 feet east of mouth of Stinnett Creek, 30 feet north and 15 feet above water, on north bank of Middle Fork of Kentucky River, two large sandstone rocks, top of west (smaller) one; bronze tablet stamped "901 Ky."-----	901. 306
Hoskinson post office, 1.25 miles northeast of, opposite and about 0.12 mile north of mouth of Greasy Creek on Middle Fork of Kentucky River, 70 feet southeast of road forks, between roads, in root on west side of sycamore tree 2 feet in diameter; copper nail-----	901. 60
Hoskinson post office, 165 feet south of mouth of Salt Well Branch, on west bank of Middle Fork of Kentucky River, in root on north side of double sycamore tree (each fork 1½ feet in diameter) with roots bare, at water's edge; copper nail-----	916. 84
Hoskinson post office, 1.14 miles southeast of, 50 feet south of mouth of Carren Branch, on east bank of Middle Fork of Kentucky River, at water's edge, on south side of trail to east, in root on east side of sycamore tree 2½ feet in diameter; copper nail-----	930. 90

Asher post office, 350 feet north of mouth of Beech Fork, on west bank of Middle Fork of Kentucky River, 3 feet above water in front of cave in sandstone cliff, top of large sandstone rock at water's edge; bronze tablet stamped "953 Ky."-----	Feet. 953. 113
Asher post office, 0.90 mile south of, on Beech Fork, 75 feet south of mouth of Blaze Branch, opposite dwelling house of Matthew Mosley (owned by Mabley & Robinson Timber Co.), 3 feet above water, in top of ledge of sandstone cliff; chiseled square with bench mark and dart also cut in rock-----	978. 36
Asher post office, 2.07 miles south of, on Beech Fork, 140 feet south of schoolhouse, road crossing Lick Branch, on east bank of Beech Fork, south side of branch, east side of road, in root on road side of 2-foot cedar tree; copper nail-----	1, 021. 02
Asher post office, 3.40 miles south of, on Beech Fork, opposite and 120 feet south of mouth of Opossum Hollow, 330 feet south of mill and dam owned by Peter Wilson, on west bank of Beech Fork, east edge of road at point where road and creek bend to southwest, in root on west side of double holly tree (each fork 10 inches in diameter); copper nail-----	1, 052. 48
Asher post office, 3.88 miles south of, on Beech Fork, 730 feet south of mouth of Stone Coal Branch, on west side of Beech Fork, 50 feet west of road in clearing, in top of projection at foot of east face of large sandstone rock, at southeast corner of rock; bronze tablet stamped "1099 Ky."-----	1, 099. 362

Leveling in 1916 by S. R. Archer.

From south border of quadrangle northeast along highways down Middle Fork of Kentucky River to Asher (leveled twice).

Asher post office, 4.45 miles southwest of, 330 feet west of mouth of Steel Trap Branch, on south bank of Middle Fork of Kentucky River, opposite residence of John Hall, in root on east side of 2½-foot sycamore tree; copper nail-----	1, 065. 58
Asher post office, 3.47 miles southwest of, 250 feet north of mouth of Upper Bad Creek, at point where river bends to east, 60 feet west of west bank of river, top of large sandstone rock; bronze tablet stamped "1046 Ky."-----	1, 046. 814
Asher post office, 2.90 miles southwest of, 200 feet west of mouth of Ritch Branch, 270 feet west of bend in river to north, on south bank of Middle Fork of Kentucky River, just east of ford, in root on north side of 3-foot sycamore tree; copper nail-----	1, 026. 38
Asher post office, 1.85 miles southwest of, 160 feet northeast of mouth of Catfish Branch, 150 feet southwest of bend in Middle Fork of Kentucky River to north, west bank of river, east side of road, in root on north side of 2-foot oak tree; copper nail-----	1, 002. 23
Asher post office, 0.82 mile southwest of, 150 feet south of mouth of Lower Bad Creek, 50 feet south of fence corner, on west bank of Middle Fork of Kentucky River, in root on east side of 3½-foot sycamore tree (top cut out); copper nail-----	978. 76
Asher post office, 350 feet north of mouth of Beech Fork, on west bank of Middle Fork of Kentucky River, 3 feet above water, in front of cave in sandstone cliff, top of large sandstone rock at water's edge; bronze tablet stamped "953 Ky."-----	953. 113

From Hoskinson along highways northwest to Big Creek, thence northeast to Dry Hill.

Hoskinson post office, 1.10 miles west of, at mouth of Cabin Hollow from north, 30 feet east of ford, front of log house (standing on north side of road) on south edge of road between Cabin Hollow and Salt Well Branch, in root on north side of 14-inch beech tree; copper nail	Feet: 1,232.46
Hoskinson post office, 1.62 miles west of, 40 feet west of top of gap between Salt Well Branch and Left Fork of Grassy Branch of Stinnett Creek, on north side of road, in root on road side of 8-inch oak tree; copper nail	1,393.84
Hoskinson post office, 2.25 miles west of, on north bank of Stinnett Creek, opposite mouth of Grassy Branch, top of sandstone rock; chiseled square	1,200.94
Hoskinson post office, 3.30 miles west of, on north bank of Stinnett Creek, 130 feet east of mouth of Gilberts Fork, north edge of road, on top of sandstone outcrop; bronze tablet stamped "1279 Ky."	1,278.842
Hoskinson post office, 4.06 miles west of, top of gap in ridge between Gilberts Fork of Stinnetts Creek and Long Fork of Gilberts Creek, 400 feet north of top (where spur ridge between right and left forks of Gilberts Fork of Stinnetts Creek leaves main ridge) on east side of ridge in gap, in root on north side of 2-foot chestnut oak tree; copper nail	1,702.68
Hoskinson post office, 4.56 miles northwest of, at last main forks at head of Long Fork of Gilberts Creek, 30 feet north of junction of forks, on west bank of creek, in root on southeast side of 15-inch pine tree; copper nail	1,424.43
Hoskinson post office, 5.60 miles northwest of, 200 feet below mouth of Garrisons Fork on Long Fork of Gilberts Creek, 260 feet west of front of residence of Luther Sizemore (standing on north side of creek), 60 feet south of creek at lower edge of clearing, north side of trail at fence line, 50 feet northwest of 3½-foot oak tree (standing on south side of trail), in root on northwest side of 3½-foot oak tree; copper nail	1,359.37
Hyden, 6.5 miles west, thence 2.20 miles south of, on Road Fork Branch of Gilberts Creek, 0.53 mile south of gap between Road Fork Branch of Gilberts Creek and Johnsons Rockhouse Branch of Rockhouse Creek, 0.14 mile above mouth of Road Fork Branch of Gilberts Creek, 40 feet west of road, in east face of large sandstone rock; bronze tablet stamped "1399 Ky."	1,399.076
Hyden, 6.5 miles west, thence 1.28 miles south of, on Johnsons Rockhouse Branch of Rockhouse Creek, 180 feet south of trail crossing drain from west, front of residence of John Howard, west side of trail, in root on northeast side of 2-foot chestnut tree; copper nail	1,343.61
Hyden, 6.5 miles west of, on London-Hyden road, at head of Rockhouse Creek, at foot on east side of hill between Rockhouse Creek and Halls Fork of Big Creek, road forks at mouth of Johnsons Rockhouse Branch, southeast corner of road forks, in root on south side of 3-foot white oak tree; copper nail	1,180.69

Hyden, 7.25 miles southwest of, road crossing top of gap between heads of Rockhouse Creek and Halls Fork of Big Creek, on east side of road, north side of gap, in root on west side of 2-foot poplar stump; copper nail.....	Feet. 1, 471. 07
Hyden, 8.25 miles southwest of, 1.05 miles northwest of gap between Rockhouse Creek and Halls Fork of Big Creek, 240 feet south of last left fork (Wooby Fork) of Halls Fork, 230 feet north of residence of Cad Collins, 50 feet east of road, west bank of Halls Fork, top of sandstone rock; bronze tablet stamped "1195 Ky".....	1, 195. 241
Hyden, 9 miles west of, on Halls Fork of Big Creek at mouth of Powder Spring Branch, just west of front of schoolhouse, wagon ford of creek at, west bank of Halls Fork, south edge of road, top of sandstone rock; chiseled square.....	1, 075. 30
Hyden, 10.40 miles west of, on Halls Fork of Big Creek, opposite and about 300 feet southeast of mouth of Henry Fork, 580 feet south of junction of road and creek, 240 feet north of bend in road to east, on east side of road at foot of hill, on east side of bottom, in root on northwest side of 2-foot walnut tree; copper nail.....	958. 36
Hyden, 11.44 miles west of, 100 feet south of mouth of Halls Fork on Big Creek, front of Hiram Sizemore's residence, west bank of Halls Fork, in root on southeast side of 2-foot brittle ash tree (standing in southeast corner of front yard); copper nail.....	898. 43
Dry Hill post office, 10.05 miles southwest of, on Big Creek of Red Bird River, at junction of Collins and Massies forks, 180 feet southeast of junction of creeks, west bank of Collins Fork, top of sandstone rock; bronze tablet stamped "928 Ky".....	928. 216
Dry Hill post office, 9.02 miles southwest of, on Collins Fork of Big Creek at mouth of Cart Hollow, 60 feet west of front of residence of Wilkson (Tug) Couch, on south edge of creek, 2½ feet above water level, in mouth of drain, top of sandstone rock; chiseled square.....	1, 047. 24
Dry Hill post office, 8.27 miles southwest of, on Collins Fork of Big Creek, at mouth of Robbins Branch, front of residence of Felix Couch, south bank of Collins Fork, west bank of branch, top of large sandstone rock; chiseled square.....	1, 118. 08
Dry Hill post office, 7.75 miles southwest of, on Collins Fork of Big Creek, road forks, 45 feet west of wagon ford of Lower Twin Branch, road to southwest leads up Lost Trace Branch, in point between roads, top of sandstone rock outcrop; chiseled square.....	1, 205. 17
Dry Hill post office, 7.02 miles southwest of, 35 feet south of top of gap between Bull Creek and Collins Fork of Big Creek, west side of road, in root on northwest side of 14-inch oak tree; copper nail.....	1, 412. 73
Dry Hill post office, 6.62 miles southwest of, at foot of north side of divide between Collins Fork of Big Creek and Bull Creek, at last forks of Bull Creek (left fork called Russell Fork), 130 feet southwest of junction of forks, 60 feet northwest of residence of Robert Sizemore, on east side and 5 feet above right fork, top of large sandstone rock; bronze tablet stamped "1150 Ky.".....	1, 149. 854
Dry Hill post office, 5.59 miles southwest of, 200 feet east of road forks at mouth of Davidsons Fork, on north edge of Bull Creek, about 30 feet west of jog in Bull Creek to west, 10 feet west of large sandstone rock, top of small sandstone rock, both rocks standing on edge; chiseled square.....	1, 014. 70

Dry Hill post office, 4.75 miles southwest of, 180 feet north of mouth of Osbourne Fork, on west bank of Bull Creek, opposite John Sizemore's store, in trunk on west side of 8-inch willow tree; copper nail -----	Feet. 960. 73
Dry Hill post office, 4.40 miles southwest of, 100 feet west of mouth of Thousand Sticks Branch, on south bank of Bull Creek in root on east side of 3-foot sycamore tree; copper nail-----	943. 79
Dry Hill post office, 3.12 miles southwest of, 130 feet east of Wolf Pen Branch, 200 feet south of John Keen's store, on south bank of Bull Creek, at water's edge, top of south side of large sandstone rock; bronze tablet stamped "892 Ky."-----	892. 013
Dry Hill post office, 2.01 miles southwest of, opposite mouth of Big Branch, east side of Bull Creek, west side of road, in root on east side of 1½-foot walnut tree; copper nail-----	854. 43
Dry Hill post office, 1.05 miles southwest of, 65 feet north of residence of Elijah Wooten (standing on west side of creek) on west bank of Bull Creek, top of large sandstone rock; chiseled square-----	825. 05
Dry Hill post office, 0.21 mile north of, 250 feet north of road forks, 170 feet south of schoolhouse, opposite and 240 feet north of mouth of Bull Creek, about 700 feet north of mouth of Cutshin Creek, on east side of Middle Fork of Kentucky River and highway, 50 feet east and 23 feet above road, in face of sandstone cliff; bronze tablet stamped "843 Ky."-----	843. 199
From mouth of Burnt Camp branch of Middle Fork of Kentucky River southeast along road to Coon Creek, thence south to south border of quadrangle.	
Hyden, 4.90 miles south of, 750 feet north of mouth of Burnt Camp Branch, at bend in Middle Fork of Kentucky River and road to south, on north bank of river, on south side and 12 feet under road, 60 feet west of bend in road to south, 25 feet west of 3-pronged elm tree, about 10 feet above water level, top of sandstone cliff; bronze tablet stamped "857 Ky."-----	857. 200
Hyden, 5.04 miles south, thence 0.53 mile southeast of, 120 feet southeast of mouth of Left Fork on Burnt Camp Branch, opposite and 50 feet northwest of residence of Ira Morgan, on east bank of branch, in root on north side of 16-inch sycamore tree; copper nail-----	886. 44
Hyden, 5.04 miles south thence 1.40 miles southeast of, 180 feet northwest of milldam and residence of J. F. Morgan, on east side of Burnt Camp Branch, at mouth of Esterage Branch, top of sandstone rock; chiseled square-----	961. 77
Hyden, 5.04 miles south, thence 2.20 miles southeast of, 100 feet west of last main forks of Burnt Camp Branch, on south bank of branch, in root on south side of 1½-foot elm tree; copper nail-----	1, 045. 17
Hyden, 5.04 miles south, thence 3.50 miles southeast of, road crossing ridge between Burnt Camp Branch and Crase Branch of Coon Creek, on north side of road at top, in root on northeast side of 4-foot chestnut tree; copper nail-----	1, 507. 98
Hyden, 5.04 miles south, thence 4.37 miles southeast of, 80 feet north of mouth of Crase Branch on Coon Creek, about 1 mile above mouth of Wolf Creek, on north bank of Coon Creek, at point where creek bends to east, top of large sandstone rock; bronze tablet stamped "1038 Ky."-----	1, 037. 589

	Feet.
Hyden, 5.04 miles south, thence 5.33 miles southeast of, 60 feet south of mouth of Sign Board Branch on west bank of Coon Creek, 2½ feet above bed of creek, top of projection at south end of sandstone rock; chiseled square-----	1, 102. 57
Hyden, 5.04 miles south, thence 6.40 miles southeast of, at mouth of Bear Branch on east bank of Coon Creek, top of large sandstone rock; chiseled square-----	1, 202.12
Hyden, 5.04 miles south, thence 7.24 miles southeast of, on Coon Creek, 0.85 mile above mouth of Bear Branch, at point where road to south leaves creek and passes along hillside, 50 feet north of ford, on east side of creek and road, in root on south side of 2-foot beech tree; copper nail-----	1, 326. 39
Hyden, 5.04 miles south by 8.18 miles southeast of, about 0.75 mile west of Causey post office, road forks at head of Coon Creek, road to east leads to Wolf Creek and Causey post office, at foot of hill between Coon and Old House branches of White Oak Creek, 20 feet south of forks of Coon Creek, 50 feet south of road forks, 70 feet south of residence of Jasper Baker, on west side of road, in front of barn, top of sandstone rock; tablet stamped "1473 Ky."-----	1, 473. 223
Kettle Rock, top of, on trail to north on spur between heads of Coon and Wolf creeks, on east side of road at forks; chiseled square----	1, 930. 75
Hyden, 5.04 miles south, thence 8.90 miles southeast of, road crossing top of ridge (Grey Mountain) between Coon, Wolf, and Upper Bad creeks, 50 feet south of point where road crosses ridge, on east side of road, in root on south side of 3½-foot oak tree; copper nail--	2, 027. 45
Hyden, 5.04 miles south, thence 9.87 miles southeast of, at point where road which leaves top of ridge (Grey Mountain) to descend to Old House Branch of White Oak Creek of Greasy Creek turns at right angles to south, about 60 feet south and 45 feet lower than top of ridge, on west side of road, in root on east side of 1-foot poplar tree; copper nail-----	1, 868. 04
Napier post office, 6.25 miles northwest by 3.38 miles northeast of, on White Oak Creek, 200 feet east by 70 feet north of road forks at mouth of Old House Branch, on north side of Marion Templeton's garden, inside of garden fence, in face of sandstone rock; bronze tablet stamped "1287 Ky."-----	1, 286. 496
Napier post office, 6.25 miles northwest by 2.60 miles northeast of, on White Oak Creek, 100 feet east of mouth of Half Mile Branch, 100 feet south of wagon ford, west side of road, in root on east side of 1-foot sycamore tree; copper nail-----	1, 246. 97
Napier post office, 6.25 miles northwest by 1.64 miles northeast of, about 400 feet below mouth of Mad Dog Hollow, on east bank of White Oak Creek, 50 feet southeast of wagon ford, 40 feet south of road, 50 feet northwest of residence of John Willson, in root on northwest side of 3-foot oak tree; copper nail-----	1, 180. 49
From Dry Hill along highway southeast up Cutshin Creek to Wooten, thence south up Cutshin and Cook creeks to Crase Branch.	
Dry Hill post office, 0.21 mile north of, 250 feet north of road forks, 170 feet south of schoolhouse, opposite and 240 feet north of mouth of Bull Creek, about 700 feet north of mouth of Cutshin Creek, on east side of Middle Fork of Kentucky River and highway, 50 feet east and 23 feet above road, in face of sandstone cliff; bronze tablet stamped "843 Ky."-----	843. 199

Dry Hill post office, 0.82 mile east of, wagon ford of Cutshin Creek, 340 feet west of residence of E. M. Nolan, west bank of Cutshin Creek south side of road, at ford, top of projection on east side of sandstone rock; chiseled square-----	Feet. 804. 58
Dry Hill post office, 2 miles southeast of, about 0.25 mile above mouth of John Creech (or Adams) Branch, 600 feet east of house standing on end of Nigh Way Point opposite and 120 feet east of John Creech's residence, opposite small drain from south, north bank of Cutshin Creek, south edge of road, in root on west side of 3½-foot oak tree; copper nail-----	819. 70
Dry Hill post office, 3.36 miles southeast of, 600 feet northeast of mouth of Mackintosh Creek, on north side of Mackintosh Creek and 4 feet above water level, in face of sandstone outcrop; bronze tablet stamped "835 Ky."-----	835. 235
Dry Hill post office, 4.76 miles southeast of, on west bank of Cutshin Creek at mouth of Moccasin Branch, on east side of road, north bank of branch, in root on west side of 1½-foot birch tree; copper nail-----	835. 07
Dry Hill post office, 5.80 miles southeast of, on Cutshin Creek, at mouth of Schoolhouse Branch (Bud Maggard Branch), in front of Bud Maggard's residence, on west bank of Cutshin Creek, west side of road, south bank of branch, in root on west side of 3-foot sycamore tree; copper nail-----	847. 09
Dry Hill post office, 6.27 miles southeast of, opposite and 75 feet west of mouth of Flackey Branch, on north bank of Cutshin Creek, 10 feet east of west end of cliff, 5 feet above water, top of sandstone outcrop; chiseled square-----	846. 94
Dry Hill post office, 7.47 miles southeast of, on Cutshin Creek, 150 feet north of wagon ford and mouth of Rube Maggard Branch, 60 feet east of east bank of Cutshin Creek, in root on west side of twin elm (each fork about 6 inches in diameter); copper nail--	851. 15
Wooten post office, 1.26 miles west of, on south edge of road, north bank of Cutshin Creek, opposite southwest corner of residence of Albert Brewer, in root on northwest side of 2-foot beech tree; copper nail-----	869. 82
Wooten post office, on Cutshin Creek, about 200 feet east by 260 feet north of mouth of Wooten Creek, 260 feet north of ford of Wooten Creek, on north side of road forks, in top of projection, near west end of sandstone cliff, 7 feet above bed of branch; bronze tablet stamped "873 Ky."-----	873. 592
Wooten post office, 1.05 miles south of, at mouth of Pound Mill Branch, road to south leads via Hurst Creek to Hyden, on south bank of Cutshin Creek east side of branch, at northwest corner of yard to residence (standing on south bank of Cutshin Creek and on east side of Pound Mill Branch), top of large sandstone rock; chiseled square-----	876. 19
Wooten, 1.76 miles southeast of, east bank of Cutshin Creek, 300 feet south of bend in creek to south, on north side of mouth of Saw Branch, west side of road, in root on east side of 3-foot sycamore tree; copper nail-----	879. 61

Wooten, 2.74 miles southeast of, 85 feet north of road forks (road to west leads to Hurst Creek), 400 feet north of mouth of Dixon Branch, opposite John L. Pennington's store, west bank of Cutshin Creek, at foot at northeast corner of large sandstone rock, top of sandstone rock; chiseled square-----	Feet. 889. 46
Wooten, 3.07 miles south of, 175 feet west of mouth of Coon Creek, north bank of Cutshin Creek, front of residence of Finley Wooten, in top of projection in sandstone cliff; bronze tablet stamped "894 Ky."-----	894. 352
Wooten, 4 miles south of, 500 feet south of mouth of Mill Branch, on east bank of Coon Creek, in root on east side of 14-inch persimmon tree; copper nail-----	922. 88
Wooten, 5.11 miles south of, 200 feet south of mouth of Bear Branch, 0.19 mile above mill dam, west bank of Coon Creek, in root on east side of hollow sycamore tree; copper nail-----	948. 88
Wooten, 5.92 miles south of, 140 feet south of mouth of Jerry Branch, on east bank of Coon Creek, west side of road, at point where road ascends bank to south, in root on northeast side of 2½-foot beech tree; copper nail-----	966. 20
Wooten, 6.60 miles south of, 0.21 mile south of mouth of Wolf Creek, 0.16 mile south of (Red) Sam Maggard's store, 320 feet south of large sandstone rock standing on east bank of Coon Creek, 325 feet north of branch from west, top of south end of large slanting sandstone rock; chiseled square-----	992. 26
Hyden, 5.04 miles south, thence 4.37 miles east of, 80 feet north of mouth of Crase Branch on Coon Creek, about 1 mile above mouth of Wolf Creek, on north bank of Coon Creek, at point where creek bends to east, top of large sandstone rock; bronze tablet stamped "1038 Ky."-----	1, 037. 589

INEZ QUADRANGLE.¹

[Latitude 37° 45'-38°; longitude 82° 30'-82° 45']

Leveling in 1914 by S. R. Archer.

From mouth of Daniels Creek northeast along highway to Eden (Inez), thence north to Yorkville, W. Va.

Odds post office, 1.68 miles southwest of, at mouth of Left Fork of Daniels Creek, road leading north to Van Lear, northwest corner of road forks, east bank of branch from north, 7 feet east of water's edge, on north edge of road, in top of rock; chiseled cross-----	614. 52
Odds post office, 0.10 mile southwest of, 90 feet southwest of road forks, road leading southeast to Dicks Creek, 110 feet northeast of mouth of Right Fork of Daniels Creek, south edge of road, northeast corner of yard of John Wells's residence, inside of fence; iron post stamped "633"-----	632. 769
Odds post office, 0.67 mile northeast of 100 feet south of mouth of Jim Wells's branch from northwest and bend in Daniels Creek to east, west bank of Daniels Creek, 10 feet south of gate in front of H. B. Wells's residence standing on west side of creek, in root on south side of English walnut tree 10 inches in diameter; spike-----	650. 38

¹ For additional elevations, see Bull. 554, pp. 38-40.

Odds post office, 1 mile northeast of, 75 feet southwest of mouth of Allen Wells's fork from northeast, east bank of Daniels Creek, inside of fence, in root on east side of apple tree 1 foot in diameter; spike -----	Feet. 662. 38
Odds post office, 2.35 miles northeast of, foot of west side of divide between Daniels Creek and Little Beech Fork of Rockcastle Creek, south side of road, southwest corner of forks of creek in root on south side of oak stump 6 inches in diameter; two 8-penny nails_	778. 57
Odds post office, 2.8 miles northeast of, top of gap in ridge between Daniels Creek and Little Beech Fork of Middle Fork of Rockcastle Creek at Martin-Johnson county line, 25 feet east of center of ridge, 20 feet south of road; iron post stamped "1119 Ky."-----	1, 119. 223
Delong post office, 0.85 mile southwest by 2.13 miles west of, 5 feet above foot of east side of hill between Daniels Creek and Little Beech Fork of Rockcastle Creek, south side of road, 30 feet west of branch from northwest, north side of tram road, in root on northeast side of old poplar stump 2½ feet in diameter; rail spike-----	801. 83
Delong post office, 0.85 mile southwest by 1.31 miles west of, 25 feet south of mouth of Honey Branch of Little Beech Fork of Rockcastle Creek south edge of road, east bank of Honey Branch, in root (level with ground) on east side of sycamore tree 14 inches in diameter; rail spike-----	751. 86
Delong post office, 0.85 mile southwest by 0.50 mile west of, road forks at forks of Beech Fork of Rockcastle Creek, 50 feet west of front of Tom Buskirk's residence, south side of road, west edge of small drain from north, top of large rock; chiseled cross-----	745. 95
Delong post office, 0.85 mile southwest of, northwest side of mouth of Beech Fork of Middle Fork of Rockcastle Creek, 30 feet above water level, 50 feet north of point where road crosses low spur from northwest, 30 feet north of northeast corner of Rockcastle Lumber Co.'s office and store, east edge of road in root on southeast side of oak tree 1 foot in diameter; spike-----	745. 34
Delong, 400 feet east of post office, 220 feet east of road leading north to Rockhouse Fork, at ford of road across Middle Fork of Rockcastle Creek, north bank of creek, west side of road, inside of fence line; iron post stamped "712 Ky."-----	712. 183
Delong post office, 1 mile northeast of, 250 feet north of mouth of Setser Branch, 300 feet south of bend in creek and road to east, front of Alfred Setser's residence standing on west side of road, west bank of Middle Fork of Rockcastle Creek, east edge of road, in root on road side of willow tree 1 foot in diameter (leaning over creek); 40-penny spike-----	698. 84
Delong post office, 1.78 miles northeast of, bend in road and creek to east, at north side of mouth of small branch from west, about 0.30 mile north of mouth of Sandlick Branch, in front of residence of Blaine McGinnis, west side of road, in top of rock outcrop; chiseled cross-----	695. 16
Davella post office, 650 feet south of, 480 feet north of mouth of Mudlick Branch, 70 feet north of ford, east bank of Middle Fork of Rockcastle Creek, east edge of road, on top of large sandstone rock; chiseled cross-----	680. 66

Davella post office, 850 feet south of, 300 feet north of mouth of Mudlick Branch, 220 feet north of church, 100 feet southeast of ford, east side of creek and road to south, at foot of hill, under small tree, on top of large rock; bronze tablet stamped "686 Ky"-----	Feet. 686. 265
Davella post office, 1.08 miles northeast of, mouth of Venters or Wind Branch, 150 feet east of point where road crosses branch, 240 feet west of road forks, on north side of road, in root on east side of mulberry tree 6 inches in diameter, near a walnut tree of same size; four 8-penny nails-----	682. 89
Eden (Inez), 4.60 miles southwest of, 500 feet east of mouth of Davis Branch, 225 feet west of road forks, north side of lower road, south bank of Middle Fork of Rockcastle Creek, at southeast corner of church; iron post stamped "672 1914 Ky"-----	671. 493
Eden (Inez), 3.80 miles southwest of, 170 feet east of by 170 feet north of road forks and ford of highway of Petercave Branch, west edge of road at fence line, in root on north side of cherry stump 3 feet high and 1 foot in diameter; two 8-penny nails-----	666. 95
Eden (Inez), 2.50 miles southwest of, mouth of small branch from southeast, front of old vacant house belonging to Jasper Hardin, 40 feet west of bend in road to north, south side of road, in top of east end of stone culvert under road; chiseled cross-----	657. 33
Eden (Inez), 1.23 miles southwest of, at point of road at foot of low spur ridge from east, opposite and southeast of mouth of Saltwell Creek, 30 feet west of road, south side of spur, north bank of Middle Fork, at fence corner, in root on road side of beech tree 3 feet in diameter (spreading and exposed roots); two spikes-----	646. 44
Eden (Inez), 1.09 miles southwest of, road forks near mouth of Saltwell Branch, northwest corner of forks, east bank of Middle Fork, north edge of road, top of large red sandstone rock; chiseled cross-----	640. 58
Eden (Inez), at Martin County courthouse, northwest corner of yard, in fence corner; iron post stamped "636 Ky"-----	635. 771
Eden (Inez), 0.81 mile northwest of, road forks opposite and about 0.20 mile southeast of mouth of Preston Branch, 180 feet north of small branch from east, 200 feet north of old log courthouse, 100 feet north of road forks, east edge of road to northwest, opposite sycamore tree 2 feet in diameter, on top of sandstone rock; chiseled cross-----	627. 48
Eden (Inez), 1.85 miles northwest of, 120 feet south of bridge over mouth of Crooked Run, 25 feet north of private road to east leading to residence owned by Ben Porter, west side of road, east bank of Rockcastle Creek, in root on northwest side of sycamore tree 2½ feet in diameter; two spikes-----	619. 27
Eden (Inez), 2.52 miles north of, 225 feet west of mouth of Castle Branch (or Twin Branches), 105 feet west of old schoolhouse, 90 feet west of south branch, south side of road, in root on road side of birch tree 15 inches in diameter; two spikes-----	619. 05
Eden (Inez), 3.64 miles north of, 0.50 mile south of mouth of Rockhouse Fork, road crossing mouth of Stable Branch, opposite front of residence of Nehemiah Brown, west side of road, south side of branch, 8 feet west of west road fence line, in field; iron post stamped "612 Ky"-----	612. 210

Eden (Inez), 4.39 miles north of, about 0.30 mile east of mouth of Rockhouse Fork, just west of mouth of Mud Ford Branch, steel highway bridge over Rockcastle Creek, south abutment, top of west end; chiseled cross-----	Feet. 618. 83
Job post office, 425 feet east of, road forks at mouth of Lick Branch, 120 feet south of forks of road under hill, west side of church, east side of branch, in root on west side of sycamore tree 14 inches in diameter; spike-----	603. 43
Job post office, 1.04 miles northeast of, 50 feet east of road crossing mouth of Little Lick Branch, south side of road, east bank of branch, 140 feet west of store and dwelling standing on south side of road, in root on road side of forked birch tree 12 and 14 inches in diameter; two spikes-----	602. 88
Job post office, 2.30 miles northeast of, road forks at mouth of Petercave Branch, northeast corner of road forks, 25 feet west of fence corner, 170 feet east of mouth of Petercave Branch, in root on north side of elm tree 2 feet in diameter; two 8-penny nails-----	595. 76
Job post office, 2.60 miles northeast of, 0.30 mile north of Petercave Branch, 150 feet south of Joe Branch, 100 feet south of front of residence of Mont Pack, on east side of road, inside of fence line, near center of south side of store building; iron post stamped "607 Ky"-----	606. 493
Job post office, 3.20 miles north of, 0.84 mile south of Little Laurel Creek, foot of north side of hill, where road crosses low spur ridge from east, front of schoolhouse standing on east side of road, east edge of road, south side of small drain from southeast, in root on road side of chestnut tree 15 inches in diameter; two spikes-----	600. 79
Clifford, 6.64 miles southwest of, on east bank of Rockcastle Creek, opposite mouth of Little Laurel Creek, 60 feet west of road forks (road west leads over bank to ford and up Little Laurel Creek), 310 feet west of residence of Samuel Endicott, on north side of road at bend in road to northeast, south side of road leading to ford, in root on east side of 2-foot chestnut tree; two spikes-----	600. 25
Clifford, 5.29 miles southwest of, mouth of Buffalo Horn Branch, 550 feet west of road forks, 185 feet west of schoolhouse, 50 feet east of fence corner, east side of bridle path leading to road on hillside, north side of road, in root on road side of oak tree 2 feet in diameter; two spikes-----	589. 85
Clifford, 4.84 miles southwest of, 260 feet south of mouth of Jims Branch, 340 feet north of Martin-Lawrence county line, opposite residence owned by Alfred Yeates and occupied by Taylor Short (standing in bottom on west side of Rockcastle Creek), on east bank of Rockcastle Creek, 20 feet east of road; iron post stamped "590 Ky"-----	589. 926
Clifford, 3.69 miles southwest of, 80 feet south of small drain from east, 180 feet south of residence of Frank Hammond (standing on east side of road), about halfway up small rise on west edge of road, in root on road side of chestnut tree 16 inches in diameter; spike-----	602. 88
Clifford, 3.08 miles southwest of, 90 feet west of mouth of Prutt (or See) Branch, 50 feet northeast of house standing on south side of road, north edge of road, south bank of Rockcastle Creek, in root on road side of birch tree 1 foot in diameter; two 8-penny nails--	580. 23

Clifford, 2.28 miles southwest of, road forks opposite and east of mouth of Laurel Creek, about 0.10 mile east of bend in road to east, about 0.20 mile northeast of end of low spur ridge from east, 50 feet west of forks and between roads, on top of rock; chiseled cross -----	Feet. 602. 75
Clifford, 1.37 miles southwest of, 0.22 mile south of Schoolhouse Branch, 50 feet north of bend in road to north, 260 feet south of beech tree 2½ feet in diameter (standing on east bank of Rockcastle Creek, west side of road at bend in creek to north), 300 feet east of residence of Ulysses Branham, on east side of road, 20 feet north of chestnut tree 2½ feet in diameter, inside of fence, top of large sandstone rock; bronze tablet stamped "679 Ky" (stamped 100 feet too high)-----	578. 768
From Eden (Inez) south along highway to head of Old Road Fork of Coldwater Fork.	
Eden (Inez), 0.66 mile southeast of, 450 feet south of mouth of Lick Branch, road forks, on west edge of road at foot of fence, in line with center of road to east, on top of stone 6 inches square; chiseled cross-----	639. 26
Eden (Inez), 1.74 miles southeast of, road forks at mouth of Blacklog Fork, on north side of road forks, in face of sandstone cliff; bronze tablet stamped "647 Ky"-----	646. 780
Eden (Inez), 2.77 miles southeast of, road forks opposite mouth of Camp Branch, on west edge of road just south of forks, near foot of small rise in road, on top of stone; chiseled cross-----	654. 93
Eden (Inez), 3.61 miles southeast of, 350 feet west of loop in Coldwater Fork to east, 250 feet west of residence of Joseph Stepp, 40 feet west of bend in road to south, south bank of Coldwater Fork, north bank of small branch from east, 25 feet west of gate, inside of field, in root on southeast side of walnut tree 2½ feet in diameter; spike -----	666. 67
Eden (Inez), 4.95 miles southeast of, mouth of Collins Branch, sharp bend in road, at southeast angle of junction of Coldwater Fork and Collins Branch, 315 feet west of road crossing Collins Branch, 35 feet above level of creek, on west side and 7 feet lower than road, at end of low spur ridge from east, in top of rock; bronze tablet stamped "702 Ky."-----	702. 117
Eden (Inez), 5.56 miles southeast of, at mouth of Cassady or Hardin Branch, 200 feet south of residence of Jack Cassady, 70 feet east of road forks, south bank of branch from southeast, on top of rock; chiseled cross -----	677. 14
Eden (Inez), 6.59 miles southeast of, 300 feet south of front of residence of A. F. Cassady, 230 feet south of small drain from east, 125 feet north of forked maple tree (each fork 10 inches in diameter) standing on east bank of Coldwater Fork, west side of road, on top of sandstone rock; chiseled cross-----	696. 90
Eden (Inez), 7.02 miles south of, 600 feet south of H. H. Preece's store, 110 feet south of schoolhouse, 260 feet north of mill and dam, east bank of Coldwater Fork, west side of road, in root on north-east side of oak tree 15 inches in diameter; three 8-penny nails-----	701. 07

Eden (Inez), 8.27 miles south of, 550 feet north of mouth of Walnut Fork, on Coldwater Fork, 215 feet south of road forks, 100 feet north of front of residence of Mrs. William Cornett, 15 feet west of northwest corner of blacksmith shop, on east side of road inside of fence, on top of sandstone rock; bronze tablet stamped "Ky. 719 1914" -----	Feet. 718. 523
Eden (Inez), 8.88 miles south of, at junction of Linnbark and Old Road forks of Coldwater Fork, 50 feet south of junction of and between forks, in root on east side of sycamore tree 5 inches in diameter; two 8-penny nails-----	718. 94
Eden (Inez), 9.76 miles south of, at first forks of Old Road Fork, 0.88 mile above mouth, on east side of creek, in top of slanting sandstone rock; chiseled cross-----	756. 62
Eden (Inez), 11.03 miles south of, at forks of Old Road Fork of Coldwater Fork, 2.15 miles above its mouth, 100 feet southeast of forks of branch, on east side of branch, in root on east side of beech tree 2 feet in diameter; spike (head off)-----	849. 49
Eden (Inez), 11.26 miles south of, 85 feet northwest of forks of Old Road Fork of Coldwater Fork, 2.38 miles above its mouth, 0.38 mile northwest of foot of hill where road leads south to Little Branch of Wolf Creek, 200 feet north of cliff and cave on right fork, on south side of branch, at foot of beech tree 1 foot in diameter ("U. S. B. M." cut in bark), in top of sandstone rock; bronze tablet stamped "872 Ky."-----	871. 751

KUTTAWA QUADRANGLE.¹

[Latitude 37°-37° 15'; longitude 88°-88° 15'.]

Leveling in 1916 by F. L. Whaley.

From Mexico west along highways to Salem. (Parts of line; see also Fords Ferry quadrangle.)

Mexico, 600 feet south of station, opposite post "J. E. 82-18" on west side of tracks, 2 feet east of right of way fence, in limestone post 6 by 8 by 25 inches; aluminum tablet stamped "491"-----	491. 068
Mexico, 1 mile west of, in south corner of bottom concrete step at east entrance to Sulphur Springs Church; chiseled square marked "442. 5" -----	442. 53
Mexico, 2 miles west of, at T road south, 250 feet west of Mr. H. M. Rustin's residence, in base of 12-inch walnut tree; railway spike driven horizontally marked "540.9"-----	540. 94
Mexico, 4.4 miles west of, 6.5 miles east of Salem, northwest corner of road forks at south edge of timber, in root of small white-oak tree at fence corner; copper nail marked "U. S. G. S. Ky. B. M. 407.3" -----	407. 34
Salem, 5.2 miles east of, at east side of road forks, 200 feet north of covered bridge over Clay Lick Creek, 850 feet east of Emus Church; iron post stamped "346 1916 Ky."-----	346. 289
Salem, 5.2 miles east of; water level Clay Lick Creek, April 28, 1916.	333. 1

¹ For additional elevations, see Bull. 554, pp. 26, 115.

Salem, 4.2 miles east of, 100 feet east of Fred White's residence in top of blue limestone ledge outcrop, north side of road; chiseled square marked "389.5"-----	Feet. 389.53
Salem, 2.9 miles east of, 30 feet north of S. L. Shelby's store at T road east, west side of road, 150 feet southwest of Shelby Cove; iron post stamped "373 1916"-----	372.872
Salem, 1.8 miles east of, 250 feet southwest of Harry Butler's residence, in base of telephone pole, south side of road; railway spike driven horizontally marked "370.6"-----	370.55

LOUISA QUADRANGLE.¹

[Latitude 38°-38° 15'; longitude 82° 30'-82°45'.]

Leveling in 1914 by S. R. Archer.

From point near Clifford, Ky., to Yorkville, W. Va.

Clifford, 0.66 mile west of, road crossing, low spur ridge from south, at loop in Rockcastle Creek to north, 25 feet northwest of top, at west end of gate, north side of road at fence line, in root on east side of hickory tree 8 inches in diameter; spike-----	716.94
Clifford, at road forks 75 feet south of post office, opposite front of Samuel Maynard's store, northeast corner of road forks, at fence line, in root on east side of elm tree 8 inches in diameter; two 8-penny nails-----	605.14
Yorkville, W. Va., 600 feet east of post office, in east end of south abutment of Norfolk & Western R. R. bridge 758 over Lost Creek; aluminum tablet stamped "589." (Bull. 477, p. 28, value -0.191 foot equals 1912 adjustment.)-----	588.666

MATEWAN QUADRANGLE.²

[Latitude 37° 30'-37° 45'; longitude 82°-82° 15'.]

Leveling in 1914 by E. E. Harris.

From Hurricane Creek north along Big Sandy & Cumberland R. R. to Devon.

Woodman, 0.8 mile south of, 400 feet south of W. Blankenship's house, in root of hemlock tree; copper nail marked "U. S. B. M. 805"-----	804.92
Woodman, 0.2 mile north of, 500 feet north of mouth of Lone Elk Creek, in concrete foundation of chimney of mill; bronze tablet, stamped "790"-----	789.722
Maleckey Branch, in bed of, in top of sandstone rock; chiseled square, marked "U. S. B. M. 771"-----	770.70
Hurricane Creek, opposite mouth of, north side of track; chiseled square marked "U. S. B. M. 838"-----	837.82

Leveling in 1915 by G. W. Lucas and S. R. Archer.

From McCarr, W. Va., southwest up Blackberry Creek, Ky., thence west to divide between Blackberry and Pond creeks and west 0.2 mile.

McCarr station, W. Va., 3.4 miles northwest of Thacker, in west end of bridge seat of north abutment of Pike Collier Electric Railroad bridge over Tug Fork; aluminum tablet stamped "701"-----	700.312
---	---------

¹ For additional elevations, see Bull. 554, pp. 28, 29; Bull. 632, p. 117.² For elevations in West Virginia in this quadrangle, see Bull. 632, pp. 107, 109.

McCarr station, 0.96 mile southwest of; chiseled square on northeast concrete abutment of Norfolk & Western R. R. bridge over Blackberry Creek, marked "U. S. B. M. 703"-----	Feet. 702. 87
McCarr station, 2.23 miles southwest of, 175 feet southeast of house, 3 feet south of road, 5 feet north of Blackberry Creek, in root of 18-inch sycamore tree, marked "T. B. M. 729"; copper nail with washer-----	728. 54
McCarr station, 2.94 miles southwest of, 100 feet southeast of road forks at junction of Anderson Creek, Hatfield Branch, and Blackberry Creek, on right bank of creek; bronze tablet set on top of 5 by 10 by 2 foot blue limestone rock, stamped "749-1915"-----	748. 856
Ransom post office, 250 feet east of, at mouth of Slate Branch on Blackberry Creek, 40 feet south of road, 20 feet north of creek, in root of 30-inch beech tree; copper nail marked "T. B. M. 794"-----	793. 54
Ransom post office, 0.83 mile southwest of, at junction of Dial Creek and Blackberry Creek, opposite T road southwest, in 20-inch sycamore tree; copper nail (t. b. m. 820)-----	819. 70
Ransom post office, 2.08 miles southwest of, at forks of Blackberry Creek, 25 feet south of Aly Farrell's store, in 3 by 5 by 2 foot limestone boulder; bronze tablet stamped "873-1915"-----	873. 323
Ransom post office, 3.28 miles southwest of, at junction of Levi Branch and Rockhouse Creek, 25 feet northeast of road, 2 feet south of creek, in root of 30-inch dead tree; copper nail (t. b. m. 1003)-----	1, 002. 45
Ransom post office, 4.57 miles southwest of, in gap between Rockhouse Creek and May Fork of Pond Creek, 25 feet west of road, in root of 8-foot buckeye tree; copper nail (t. b. m. 1662)-----	1, 661. 63
Ransom post office, 4.79 miles west of, 0.22 mile north of gap between Rockhouse Creek and May Fork of Pond Creek, 30 feet northeast of turn in road, in 10 by 8 by 4 foot sandstone boulder; bronze tablet stamped "1532-1915"-----	1, 531. 518
From Freeburn, W. Va., south along highways up Peter Creek, Ky., to Phelps, Ky., and near Coleman, Ky.	
Vulcan, 1.1 miles west of, at Freeburn station, in north end of east abutment of railroad bridge over Tug Fork; aluminum tablet stamped "727" (Bull. 477, p. 22)-----	726. 790
Freeburn, 1.25 miles southwest of, Freeburn (Turkey Gap) Coal & Coke Co.'s tipple 2, at end of switch from Norfolk & Western R. R., top of stone foundation, southwest corner of bin to coal washer; chiseled square-----	764. 08
Freeburn, 2.08 miles south of, at mouth of Church Branch, on west bank of Peter Creek, 150 feet west of store, in root on southwest side of elm tree $3\frac{1}{2}$ feet in diameter; 2 fence staples-----	737. 51
Freeburn, 3.06 miles south of, 140 feet south of Larcum McCoy's residence (standing on east side of road), 500 feet north of Perry Daniels's residence (standing on west side of road and Peter Creek), 500 feet east of mouth of Robinett Branch from west, at intersection of road and Peter Creek (road to north leaves creek), on east side of road and creek, in rock ledge; bronze tablet stamped "762 Ky."-----	762. 285
Phelps post office, 1.87 miles north of, opposite mouth of Point Rock Branch from west, on north side of road and creek, at bend in road and creek to east, at fence line in root on road side; 2 fence staples-----	787. 46

Phelps post office, 0.72 mile north of, at bend in Peter Creek and creek road to northwest, opposite and 50 feet west of mouth of still hollow from northeast, on south side of creek at fence line, in root on creek side of beech tree 15 inches in diameter; 2 fence staples-----	Feet. 818. 60
Phelps post office, 850 feet north of, 325 feet south of southwest fence corner of Missionary School lot, opposite and 50 feet north of J. H. Charles's residence, on east bank of Peter Creek at water's edge, in face of large sandstone rock; bronze tablet stamped "831 Ky."-----	830. 748
Phelps post office, 1.02 miles southwest of, on Right Fork of Peter Creek, 250 feet west of mouth of John Dotson Branch from southeast, 40 feet east of Harrison Dotson's residence, in front and between two houses standing close together on south side of road and creek, on south bank of Right Fork of Peter Creek at point where road leaves creek to west, in root on north side of willow tree 6 inches in diameter; 2 fence staples-----	883. 12

MORGANFIELD QUADRANGLE.¹

[Latitude 37° 30'–37° 45'; longitude 87° 45'–88°.]

Leveling in 1914 by E. C. Bibbee.

Near Uniontown.

Uniontown, 2 miles south of, on Illinois Central R. R., first driftbolt head in northeast corner of trestle 100 feet north of milepost marked "M48 U2"; highest point-----	380. 31
Morganfield, 3.36 miles north of, in center of three roads, corner 200 feet southwest of road crossing about 1 mile north of Chapman station on Uniontown branch of Illinois Central R. R.; iron post stamped "376 Adj. 1903" (elevation of post bent over as found in 1914, 375.983 feet)-----	376. 108

NAUGATUCK QUADRANGLE.²

[Latitude 37° 45'–38°; longitude 82° 15'–82° 30'.]

Leveling in 1915 by S. R. Archer.

From Kermit, W. Va., southwest along highway up Wolf Creek to White Cabin Branch.

Kermit, W. Va., 600 feet east of Norfolk & Western station, on west side of sandstone culvert, in third tier of stone below top; aluminum tablet stamped "623 W. Va."-----	622. 500
Kermit, W. Va., 1 mile south of, at bend in old river road to west at mouth of Wolf Creek, 30 feet west of west bank of Tug Fork, 35 feet north of north bank of Wolf Creek, on east side of old road at bend to west, in root on north side of southeast tree of cluster of 3 box-elder trees; copper nail-----	621. 40

¹ For additional elevations, see Bull. 554, pp. 25, 109, 110.² For elevations in West Virginia in this quadrangle, see Bull. 632, pp. 110–112.

Kermit, W. Va., 1 mile southeast and 1.07 miles west of, at mouth of Buck Branch on Wolf Creek, 15 feet west of west bank of Wolf Creek, 170 feet east of road forks, 150 feet north of mouth of Buck Branch, on south side of road at bend in road to west, in root on southeast side of beech tree 3½ feet in diameter; copper nail-----	Feet. 607. 42
Pilgrim post office, 1.47 miles northeast of, at mouth of Davis Branch, on north side of branch 40 feet east of bend in road to northwest, on north side of road, between T. Davis's house and barn, at west end and at foot of stone fence, 80 feet east of east bank of Wolf Creek, top of flat rock; chiseled square-----	612. 63
Pilgrim post office, 0.70 mile north of, 80 feet south of mouth of Big Branch, on west bank of Wolf Creek, on east side of road, in root on west side of mulberry tree 2½ feet in diameter; copper nail-----	606. 84
Pilgrim post office, 400 feet south of, 250 feet east of mouth of Emely Creek, top west end of south stone abutment of wooden highway bridge over Wolf Creek; bronze tablet stamped "617 Ky."-----	617. 242
Pilgrim post office, 0.93 mile southwest of, 50 feet west of Lackey Branch, on south side of road inside of fence, in root on north side of beech tree 14 inches in diameter; copper nail-----	637. 01
Pilgrim post office, 1.76 miles southwest of, 50 feet northwest of mouth of Barn Branch, north bank of Wolf Creek, south side of road, in root on west side of west tree of two walnut trees 15 inches in diameter; copper nail-----	624. 34
Pilgrim post office, 2.17 miles southwest of, at mouth of Pigeon Roost Creek, 285 feet south of road forks, north concrete wall to approach of steel highway bridge over Wolf Creek, top east end of; bronze tablet stamped "629 Ky."-----	629. 389
Pilgrim post office, 2.75 miles southwest of, mouth of Little Rockcastle Creek, 200 feet southwest of road forks, north side of west road, west bank of Little Rockcastle Creek at ford, in root on north side of willow tree 1 foot in diameter; copper nail-----	625. 38
McClure post office, 0.85 mile northeast of mouth of Little Crooked Creek at, on south side of road, north bank of Wolf Creek, west bank of Little Crooked Creek at mouth, in root on south side of sycamore tree 8 inches in diameter; copper nail-----	625. 25
McClure post office, opposite residence of Elic Preece, north side of road opposite and 100 feet west of mouth of small branch from south, southwest corner of post-office building, in root on east side of sycamore stump 15 feet high and 2½ feet in diameter; copper nail -----	637. 84
McClure post office, 0.33 mile west of mouth of Poplar Thicket Branch, at west side of road, north bank of branch, in root on north side of chestnut tree 2½ feet in diameter; copper nail-----	634. 92
McClure post office, 1.36 miles southwest of, 200 feet east of bend in Wolf Creek to south, 400 feet east of mouth of Laurel Lick Branch from north; north bank of Wolf Creek, south side of road, top large sandstone rock; bronze tablet stamped "649 Ky."-----	649. 101
McClure post office, 2.27 miles southwest of, opposite mouth of Tom Branch, 150 feet east of store building, 60 feet west of house standing on north side of road, on north bank of Wolf Creek, south side of road, in root on west side of chestnut tree 2½ feet in diameter; copper nail -----	649. 08

McClure post office, 2.88 miles southwest of, at road forks, 75 feet west of mouth of White Cabin Branch, on north bank of Wolf Creek, south side of road at fence line, in root on road side of beech tree 1 foot in diameter; copper nail.....	Feet. 653. 30
--	------------------

NEWBURG QUADRANGLE.¹

[Latitude 37° 45'-38°; longitude 87° 15'-87° 30'.]

Primary leveling in 1913 by U. S. Corps of Engineers.

Along Ohio River.

Newburg, Ind., opposite, on the property of John Hosman, 1,600 feet from top of high bank, 100 feet from center line of road, 3 feet from fence line; a 2-inch iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 63):	
Top of cap.....	372. 36
Top of bolt.....	369. 35
Newburg, Ind., 1 mile below, on property of Morgan Stanley, 800 feet from top of high bank, 250 feet from road toward river; a 2-inch iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 67):	
Top of cap.....	371. 80
Top of bolt.....	368. 75
Newburg, 3 miles below, on property of Norrison Lockert, 750 feet from top of high bank, on river edge of road, near clump of big trees; a 2-inch iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 73):	
Top of cap.....	372. 53
Top of bolt.....	369. 51
Owensboro, 26.5 miles below, on property of Mrs. Major, on right bank of Green River, in clump of large cottonwoods, 500 feet from the top of high bank of Ohio River, 1,100 feet from junction of Green and Ohio rivers, 5.5 miles below Newburg, Ind.; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 81):	
Top of cap.....	365. 57
Top of bolt.....	362. 52
Cypress Creek, opposite mouth of, on property of Montgomery Merritt, 50 feet toward the river from road, 50 feet from top of high bank, left bank of Ohio River; a regulation pipe 4 inches by 4 feet set on a concrete base 18 by 18 by 4 inches (U. S. C. E. b. m. 771±), top of cap.....	
	377. 50
United States light, located under, on tree upper side of Green River, on point of top of high bank of Ohio and Green rivers, and on property of Mrs. Major; a regulation iron pipe 4 feet by 4 inches, mounted on a concrete base 18 by 18 by 4 inches, on left bank of Ohio River (U. S. C. E. b. m. 778±):	
Top of cap.....	359. 70
Top of bolt.....	355. 64

¹ For additional elevations, see Bull. 554, pp. 106, 107, 149, 150; for elevations in Indiana in this quadrangle, see Bull. 555, p. 21.

NEW HAVEN QUADRANGLE.¹

[Latitude 37° 45'–38°; longitude 88°–88° 15'.]

Primary leveling in 1913 by U. S. Corps of Engineers.

Along Ohio River.

Uniontown, 7 miles below, on property of Slack heirs, in a cornfield, 400 feet back of top of high bank, 235 feet below a farm road leading to the river, 100 feet below foot of main Wabash Island; 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station No. 79=b. m. 21):

Top of cap.....	353.06
Top of bolt.....	350.04

Uniontown, 8 miles below, on property of C. L. Trumbo, in a pasture and 400 feet from his house, 1,000 feet from the river, 30 feet back of extreme top of high bank, 15 feet toward river from center line of farm road; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 83=b. m. 23):

Top of cap.....	351.77
Top of bolt.....	348.74

NOLANSBURG QUADRANGLE.

[Latitude 36° 45'–37°; longitude 83°–83° 15'.]

Leveling in 1915 by S. R. Archer.

From point 0.7 mile northeast of Rhea station northeast along Louisville & Nashville R. R. to Poor Fork.

Rhea station, 1.58 miles east of, 0.20 mile northeast of milepost "C. 75, B. 18, L. 247," at north end of loop in Poor Fork to north, 200 feet west of branch from north, 0.20 mile northwest of switch, on north side of railroad, top of projection in face of rock cut, 3½ feet above level of track; chiseled square.....	1,246.45
Dillon station, 0.29 mile west of, 75 feet east of road crossing, top of south end of iron drain pipe under railroad; painted square....	1,251.92
Dillon station, 0.21 mile east of, 150 feet east of road crossing, top of headstone, south end of stone culvert under Louisville & Nashville R. R.; bronze tablet stamped "1245 Ky.".....	1,245.116
Dillon station, 0.95 mile east of, road crossing, south side of railroad, east side of highway, 30 feet west of northwest corner of church, in root on north side of 20-inch chestnut tree; copper nail.....	1,255.55
Nolansburg station, 0.82 mile west of, 0.33 mile west of milepost "B. 14, C. 79," at branch from north, at whistling post, about 0.10 mile east of residence standing on south side of railroad, at east end of cut, on south railroad right of way line, in root on north-east side of 2-foot chestnut tree; copper nail.....	1,280.11

¹For additional elevations, see Bull. 554, p. 156; for elevations in Indiana in this quadrangle, see Bull. 555, pp. 36, 37, 46, 48; for elevations in Illinois in this quadrangle, see Bull. 553, pp. 20, 21, 105.

Nolansburg station, 175 feet east of, top of south end of concrete culvert under railroad over branch from northwest; bronze tablet stamped "1289 Ky."-----	Feet. 1, 289. 792
Nolansburg station, 0.96 mile northeast of, 120 feet east of road crossing railroad, north bank of Poor Fork, south side of railroad and highway, at plank bridge over drain, in root on north side of 2-foot oak tree; copper nail-----	1, 291. 68
Nolansburg station, 2.36 miles northeast of, 745 feet west of milepost "C. 82, B. 11," 170 feet west of road crossing, at mouth of branch from north, 25 feet west of culvert, north side of track, top of large sandstone rock (track side); chiseled square-----	1, 320. 03
Dione station, 1.42 miles west of, 0.55 mile west of Dione post office, 140 feet west thence 50 feet north of milepost "C. 83, B. 10," on west bank of Penley Branch from north, about on north railroad right of way line, 40 feet southeast of old log house (standing in mouth of branch), top of sandstone rock; bronze tablet stamped "1336 Ky."-----	1, 336. 523
Dione station, 0.77 mile west of, 500 feet east of Dione post office, 150 feet east of road crossing, at mouth of branch from north, stone railroad culvert, north side of track, top of west end of second (lower) layer of head stone; chiseled square-----	1, 340. 78
Dione station, 165 feet west of station sign, on south side of main track, between main track and switch, top of south end of stone culvert; chiseled square-----	1, 353. 03
Dione station, 0.94 mile east of, 160 feet east of stone culvert over branch from north, opposite front of residence of William Thompson (standing on north side of railroad) opposite and 20 feet east of whistling post, on south side of track, in base of telegraph pole; railroad spike-----	1, 369. 02
Dione station, 1.91 miles east of, 1.86 miles west of Chad station, 0.87 mile west of Creech post office, 0.29 mile east of milepost "C. 86, B. 7," at old water mill, opposite mouth of branch from south, north side and 7 feet above track, south edge of highway, in front of large sandstone rock (standing on upper side of road) at north railroad right of way line, in sloping side of sandstone outcrop; bronze tablet stamped "1387 Ky."-----	1, 387. 031
Chad station, 0.92 mile west of, 280 feet east of Creech post office, south end of stone culvert under railroad, top of top layer of stone of west wall; chiseled square-----	1, 380. 89
Chad station, 70 feet east of station board, top of south end of stone culvert under railroad; chiseled square-----	1, 394. 23
Poor Fork, 1.20 miles west of, 140 feet west of milepost "C. 89, B. 4," in front of house standing on north side of railroad and highway, top of north end of stone culvert under railroad; chiseled square-----	1, 411. 54

Leveling in 1916 by S. R. Archer.

From Ages near center of west border of quadrangle along Louisville & Nashville R. R. and highway east up Clover Fork to east border.

Ages station, 1.07 miles east of, at point where river leaves railroad (river bending at right angle to south), on south side of track, north bank of river, 100 feet northwest of 3½-foot elm tree (standing in corner of field) opposite farmhouse (standing on hillside on north side of track), in root on east side of double butternut tree 5 and 7 inches in diameter; copper nail-----	1, 255. 66
--	------------

	Feet.
Kildav station, 0.64 mile west of, at road crossing railroad (road leads to Jones Creek) opposite store of Chad Middleton, north side of track, east side of road, top east end of plank drain under highway; copper nail-----	1, 266. 57
Kildav station, 0.23 mile west of, Louisville & Nashville R. R. bridge over Clover Fork, west abutment, top of south end of parapet wall; bronze tablet stamped "1278 Ky."-----	1, 278. 162
Everts post office, 100 feet west of mouth of Yocum Creek, 90 feet east of north end of footbridge over Clover Fork, north bank of river south side of road, in root on road side of 14-inch sycamore tree; copper nail-----	1, 287. 46
Everts post office, 0.46 mile east of, at mouth of Baileys Creek, 90 feet east of church, 100 feet north of mouth, on west side of branch, in root on east side of 2-foot sycamore tree; copper nail-----	1, 295. 59
Everts post office, 1.70 miles east of, at mouth of Dave Creech Branch, east bank of Clover Fork, west side of road, north side of branch, in root on west side of 1-foot sycamore tree; copper nail-----	1, 315. 76
Everts post office, 2.38 miles northeast of, 0.70 mile above mouth of Dave Creech Branch, opposite and 52 feet northeast of residence of Jim Short, front of small drain from north, 130 feet west of mouth of branch from north, on north bank of river, south side of road, top of large sandstone rock; bronze tablet stamped "1330 Ky." [to be moved and reset in 1918]-----	1, 330. 051
Everts post office, 3.20 miles northeast of, at bend in river and road to north, opposite and 30 feet south of Baptist Church, on east side of road, west bank of river, in root on north side of 1-foot elm tree; copper nail-----	1, 349. 24
Everts post office, 4.58 miles northeast of, at junction of road and Kelly Branch (road turns north leaving river bank) 100 feet north of branch in center of road, in root on northeast side of 2½-foot beech tree; copper nail-----	1, 378. 95
Everts post office, 5.65 miles northeast of, 0.72 mile west of mouth of Seagraves Branch, front of schoolhouse, on west side of road, east bank of river, in root on road side of double water-birch tree 20 inches in diameter; copper nail-----	1, 399. 73
Everts post office, 6.25 miles northeast of, opposite and 620 feet below mouth of Seagraves Branch, 400 feet southwest of footbridge over Clover Fork, opposite H. L. Creech's store, 40 feet west of road, 40 feet north of northeast end of J. M. Creech's residence, at foot of rock cliff, top of projection; bronze tablet stamped "1423 Ky."-----	1, 423. 039
Everts post office, 7.45 miles northeast of, at mouth of Mill Branch, 50 feet north of river bank, on south edge of road, in Mill Branch, in root on south side of 1-foot sycamore tree; copper nail-----	1, 449. 78
Everts post office, 8.13 miles northeast of, road forks on Joes Branch about one-eighth mile from its mouth, on east side of branch, north side of road, on point on west side near foot of large sandstone rock; chiseled square-----	1, 516. 80
Klondike post office, 2.34 miles northwest of, 260 feet east of mouth of Fugitt Creek, 15 feet north of fence line, on north side of road and Clover Fork, in field, top of large sandstone rock; bronze tablet stamped "1509 Ky."-----	1, 509. 519

Klondike post office, 1.28 miles northwest of, 80 feet northwest of mouth of Bear Branch, on west side of road, east bank of Clover Fork, at top near west end of large sandstone rock; chiseled square.....	Feet. 1, 537. 10
Klondike post office, opposite and 35 feet below, one-eighth mile above mouth of Childs Creek, 160 feet below dam, 90 feet below walk bridge, on south bank of Clover Fork, top of rock outcrop; bronze tablet stamped "1580 Ky.".....	1, 580. 227
Klondike post office, 1.16 miles east of, road crossing mouth of Mary Wins Branch, north side of road, west bank of branch, top of large sandstone rock; chiseled square.....	1, 639. 02
Klondike post office, 2.31 miles east of, 0.26 mile west of mouth of Kelly Branch, 50 feet east of residence of John N. Kelly, on south edge of road, north bank of river, in root on road side of 2½-foot pine tree; copper nail.....	1, 685. 02
Klondike post office, 2.57 miles east of, road crossing mouth of Kelly Branch, north side of road, east bank of branch, between roots at foot on north side of 15-inch pine tree 2 feet above bed of branch, top of sandstone rock; chiseled square.....	1, 691. 40
Klondike post office, 2.95 miles east of, at mouth of Breedens Creek, northeast corner of intersection of creek and Clover Fork, 100 feet south by 40 feet east of road forks, 60 feet northeast of wagon bridge over Breedens Creek, 35 feet northeast of fence corner, inside of fence, top of sandstone rock; bronze tablet stamped "1717 Ky.".....	1, 717. 754
Klondike post office, 3.62 miles east of, 100 feet south of mouth of Days Creek, 210 feet south of schoolhouse, on west side of road, east bank of Clover Fork, on south side of east end of footbridge over river, in trunk of crooked cedar tree 10 inches in diameter; copper nail.....	1, 741. 18
Klondike post office, 4.08 miles east of, 60 feet north of mouth of Rockhouse Creek, 25 feet north of east end of footbridge, east bank of Clover Fork, west side of road, in trunk on north side of middle tree of three willow trees 7 inches in diameter; copper nail.....	1, 760. 36
From Kentucky-Virginia boundary line west and northwest along highway to Cawood at west border of quadrangle.	
Pocket station, 5.83 miles west of, at Kentucky-Virginia State line, top of gap between Gilberts Creek of Stone Creek and Mill Creek of Crank Creek, 340 feet west of point where road from Gilberts Creek intersects top of ridge, 475 feet east of point where road to Mill Creek leaves top of ridge, 470 feet east of private road to northwest, on north side and 5 feet above road, in top of large sandstone rock; bronze tablet stamped "1997 Ky.".....	1, 997. 149
Cawood post office, 6.41 miles east of, at foot of west side of hill between Gilberts Creek of Stone Creek and Mill Creek of Crank Creek, in front and 100 feet east of residence of Jack Green, owned by R. L. Napier, 400 feet east of mouth of branch from north, 60 feet south of road, 20 feet north of creek, in root on southwest side of 4-foot sycamore tree; copper nail.....	1, 530. 23
Cawood post office, 5.77 miles east of, on Mill Creek of Crank Creek, at mouth of Nims Branch, on north bank of Mill Creek on west side of Nims Branch, in field, in root on north side of walnut tree 1½ feet in diameter; copper nail.....	1, 459. 16

Cawood post office, 4.77 miles east of, 90 feet southwest of mouth of Mill Creek, on Crank Creek, in front of Jess Farmer's residence (standing on south side of Crank Creek), on west bank of Crank Creek, 50 feet north of footbridge, in root on north side of 8-inch white-walnut tree; copper nail.....	Feet. 1, 433. 64
Cawood post office, 3.81 miles east of, on Crank Creek, 180 feet northeast of road forks, at mouth of Barn Branch, on west side of road, in face of rock outcrop; bronze tablet stamped "1447 Ky." (stamped 1 foot high on account of 1 foot error).....	1, 446. 422
Cawood post office, 2.97 miles east of, at road crossing top of spur ridge between Crank Creek and Right Fork of Burgoine Branch of Crank Creek (first top from Crank Creek), on west side of road and ridge, 50 feet west of top of gap, in root on west side of 10-inch walnut tree; copper nail.....	1, 810. 21
Cawood post office, 2.77 miles east of, top of gap between head of Long Branch of Crummie Creek and Right Fork of Burgoine Branch of Crank Creek, 45 feet north of gap, on east side of road, in root on south side of 1-foot poplar tree; copper nail.....	1, 857. 57
Cawood post office, 2.36 miles east of, near foot of hill, at head of Long Branch, at road crossing small drain from northeast, at point where road ascending hill turns to south, on north side of road east side of drain, top of sandstone rock; chiseled square.....	1, 575. 65
Cawood post office, 1.19 miles east of, 70 feet southwest of mouth of Laurel Fork on Long Branch, on south side of creek, north side of road, in root on west side of tree 3 feet in diameter (south one of two beech trees 10 feet apart); copper nail.....	1, 365. 79
Cawood post office, 0.48 mile east of, on west bank of Crummie Creek, opposite mouth of Long Branch, 10 feet south of west end of foot-bridge, in root on south side of south tree of two oak trees 1½ feet in diameter; copper nail.....	1, 277. 68
Cawood post office, 460 feet west of 200 feet west of road forks, road to east leads up Crummie Creek, road to south leads to Martins Fork, on north side of and 12 feet above road, opposite blacksmith shop, in face of sandstone cliff; bronze tablet stamped "1269 Ky."...	1, 269. 080
From point near northwest corner of quadrangle southeast along highway up Grassy Creek and over Pine Mountain to Dillon station.	
Pine Mountain post office, 0.5 mile west thence 3.42 miles northwest of, opposite and 100 feet north of mouth of Big Laurel Creek, 150 feet north of residence of Lewis Turner, on west bank of Greasy Creek, top of large sandstone rock; bronze tablet stamped "1319 Ky.".....	1, 318. 667
Pine Mountain post office, 0.5 mile west thence 2.43 miles northwest of, 125 feet south of mouth of Dry Branch, on east side of Greasy Creek, at edge of bank, in creek bed, top of sandstone outcrop; chiseled square.....	1, 404. 87
Pine Mountain post office, 0.5 mile west thence 1.66 miles north of, at mouth of Little Laurel Creek, on north bank of Greasy Creek, west bank of Little Laurel Creek, south side of road, in rear of log stable, top of sandstone outcrop, at foot of old stump; chiseled square.....	1, 482. 76
Pine Mountain post office, 0.5 mile west thence 1. mile northwest of, 450 feet north of mouth of Bull Horn Branch, 140 feet north of small drain from west, in bed of Greasy Creek, top of large sandstone rock; chiseled square.....	1, 575. 03

Pine Mountain post office, 0.5 mile west of, at forks of Greasy Creek, at foot of Pine Mountain, about 250 feet east by 120 feet south of road forks, 150 feet east by 120 feet south of ford of Greasy Creek, 100 feet south of main entrance to Pine Mountain Settlement School, on east side of driveway, 50 feet north of office building, in top of sandstone rock; bronze tablet stamped "1756 Ky."-----	Feet. 1, 755. 612
Pine Mountain post office, 1.54 miles west of, 200 feet east by 700 feet south of residence of John Schell, 380 feet south of creek, near foot of Pine Mountain at south side of bottom, 35 feet west of 1-foot apple tree, 65 feet east of 2-foot hickory tree, top of triangular rock, 3 feet above ground; chiseled square-----	1, 790. 82
Dillon station, 1.30 miles east by 1.40 miles north of, in John Schell's gap, top of Pine Mountain, on west side of trail at summit, in top of sandstone rock; bronze tablet stamped "2605 Ky."-----	2, 604. 943
Dillon station, 1.30 miles east by 0.85 mile north of, about halfway up trail over Pine Mountain leading to John Schell's gap, at point where trail passes between rock cliffs, 20 feet east of trail, top of sandstone rock; chiseled square-----	2, 161. 10
Dillon station, 1.30 miles east by 0.20 mile north of, at point where trail (leading to John Schell's gap in Pine Mountain) starts up mountain, 75 feet west of small drain from north at back side of field above cemetery, on south side of trail, north side of fence, in root on south side of 15-inch hickory tree; copper nail-----	1, 361. 06
Dillon station, 0.95 mile east of, road crossing railroad, south side of railroad, east side of highway, 30 feet west of northwest corner of church, in root on north side of 20-inch chestnut tree; copper nail-----	1, 255. 550

PAINTSVILLE QUADRANGLE.¹

[Latitude 37° 45'--38°; longitude 82° 45'--83°.]

Leveling in 1914 by S. R. Archer.

From Nero southwest to East Point.

Nero post office, 0.25 mile west by 0.15 mile north of, on foundation of North East Coal Co.'s trestle bridge over Johns Creek and highway, in center of highway, in southeast corner of third concrete base of south row, east of east-bank concrete abutment; chiseled cross-----	607. 14
Nero post office, 0.25 mile west by 0.7 mile northwest of, at mouth of Musics Branch, north end of loop in Johns Creek to north, southwest corner of road forks, 100 feet north of Lige Richmond's residence standing on east side of road, 100 feet southeast of road crossing branch, in root on east side of and 1 foot from elm tree (stump) 14 inches in diameter and about 20 feet high; two 8-penny nails-----	616. 01
Nero post office, 0.25 mile west by 1.54 miles northwest of, bend in road and Johns Creek to southwest, 175 feet west of branch from north, 90 feet west of Henry Auxier's residence standing on north side of road, north edge of road, in root on west side of apple tree 18 inches in diameter; two 8-penny nails-----	618. 45

¹ For additional elevations, see Bull. 554, pp. 44, 45.

Leveling in 1915 by S. R. Archer and George W. Lucas.

From point 2.06 miles northeast of Riceville along highways northeast and north to point 2.4 miles northwest of Paintsville, thence southeast to Paintsville and 0.6 mile north. (Last 3 miles leveled twice.)	
Riceville post office, 4.95 miles northeast of, 150 feet northwest of county road, Big Sandy & Kentucky River Ry. bridge over Jenny Creek, southeast abutment, in top of 14-inch chestnut post; copper nail with washer marked "t. b. m. 645.1"-----	Feet. 644.73
Riceville post office, 5.77 miles northeast of, 1.23 miles southwest of Denver, on east abutment of Big Sandy & Kentucky River Ry. bridge over Jenny Creek, 8 feet south of track, 30 feet west of road crossing, set in top of 12-inch white-oak post; copper nail with washer marked "t. b. m. 633.9"-----	633.51
Denver, northeast corner of H. E. Spragling's store building, 80 feet west of railroad crossing, in sandstone post; bronze tablet stamped "Ky. 624"-----	623.325
Blair station, 125 feet east of Big Sandy & Kentucky River Ry. bridge over Jenny Creek, 40 feet south of county road crossing, in top of sandstone outcropping; chiseled square marked "t. b. m. 619.7"-----	619.26
Blair, 1.32 miles north of, 300 feet west of Jenny Creek, at road fork, east side of road, in sandstone boulder; chiseled square marked "t. b. m. 620."-----	619.53
Blair, 2.63 miles north of, in small drain, 8 feet west of road, in root of 10-inch mulberry tree; copper nail with washer marked "t. b. m. 610.2"-----	609.75
Paintsville, 2.4 miles northwest of, at mouth of Jenny Creek and Rule Branch, 150 feet east of road fork, 300 feet north of Dan Davis's house, north side of and 3.5 feet above road, in sandstone cliff outcropping; bronze tablet stamped "Ky. 630"-----	629.513
Paintsville, 1.3 miles northwest of, 120 feet west of bridge over Rule (or Tayess) Branch, 40 feet southeast of T road north, in root of honey-locust tree 16 inches in diameter; copper nail with washer marked "597 t. b. m."-----	596.75
Paintsville, west end of paved street, 200 feet south of swinging bridge over Paint Creek, on south side of street, in front of M. Collins's store building, in top of concrete curbing; chiseled square marked "t. b. m. 610.5"-----	609.98
Paintsville, Johnson County courthouse, west end on north side, in face of stone foundation, bronze tablet stamped "614 Ky"-----	614.212
Paintsville, 0.6 mile north of Chesapeake & Ohio Ry. station, east side of railroad, north side of road crossing, at foot of warning post; iron post stamped "616" [Bull. 554, p. 44]-----	615.597
From point 2.4 miles northwest of Paintsville along highways northwest up Paint Creek to Little Paint Creek, thence meandering south-southeast to Riceville.	
Paintsville, 2.35 miles west by 0.54 mile north of, road forks on Rule Branch, on east side of road forks, top southeast corner of concrete curbing of well (3½ feet above base); chiseled square-----	623.34
Staffordsville post office, 0.60 mile southeast of, road forks 70 feet west of Stafford's store, road south leads down Paint Creek to Bent Branch, south side of main road, east side of south road, in root on north side of north tree of three sycamore trees; copper nail-----	608.98

Staffordsville, road forks, 250 feet west of mouth of Mudlick Creek, on north bank of Paint Creek, south side of road at forks, 75 feet southeast of post office, 6 feet west of forked sycamore tree, in root on north side of sycamore tree 2 feet in diameter; copper nail -----	Feet. 606.96
Staffordsville post office, 0.74 mile west of, at road forks and steel highway bridge over Paint Creek, just below mouth of Barnett Creek, top north end of east concrete abutment of highway bridge; bronze tablet stamped "633 Ky."-----	632.802
Staffordsville post office, 1.75 miles northwest of, at mouth of Le Masters Branch from east, 375 feet north of E. G. Le Masters's residence, 105 feet north of barn, east side of road, north side of branch, top of sandstone rock; chiseled square-----	657.05
Staffordsville post office, 2.82 miles northwest of, 580 feet south of highway bridge over Glade Branch, at point of road crossing end of lower spur ridge from northeast, on east side of road at bend, top of projecting sandstone rock; chiseled square-----	691.42
Staffordsville post office, 3.79 miles northwest of, at road forks, road west leads to Fish Trap Church and Colvin Branch, at northeast corner of triangle of road forks, east side of road, north side of small drain, in root on road side of 3½-foot beech tree; copper nail-----	739.88
Staffordsville post office, 3.96 miles northwest of, 0.17 mile northeast of road forks, road west leading to ford of Paint Creek, Fish Trap Church, and Colvin Branch, at top of bluff, 75 feet north of Daniel Le Masters's residence standing on north side of road, top of large sandstone rock outcrop, level with ground; bronze tablet stamped "832 Ky."-----	832.448
Fuget post office, 2.92 miles southeast of, road crossing Berry Branch, on east side of road, 20 feet south of branch, top of rock outcrop; chiseled square-----	785.64
Fuget post office, 2.32 miles southeast of, at crossroads, at mouth of Oil Branch, on east side of south road, 60 feet south of junction with Oil Branch, 2½ feet above road, opposite hollow beech tree 1½ feet in diameter, top rock projection of rock cliff; chiseled square-----	695.07
Fuget post office, 1.50 miles southeast of, at road forks, at mouth of McKenzie (Petercave) Branch, 30 feet west of center of roads, on north side of west road, east bank of branch, in root on east side of beech tree 2 feet in diameter; copper nail-----	714.14
Fuget post office, 0.49 mile south of, at road forks, road to west leads across Paint Creek to Low Gap Branch, southwest corner of road forks, northeast corner of yard to Andrew Fairchild's residence, at road side of fence corner, in top of sandstone rock; chiseled square-----	773.09
Fuget post office, 0.12 mile east of, at forks on Spice Lick Creek road, road northeast leads to Mudlick Creek and Flat Gap post office, at center of south side of triangle at road forks, 50 feet east of west road crossing creek, on north side of east and west road, 10 feet west of sycamore tree 15 inches in diameter, top large sandstone rock 2 feet above road; bronze tablet stamped "715 Ky."-----	714.834
Fuget post office, 0.80 mile northwest of, road forks at mouth of Petercave Branch (known also as Cuba or Cold Spring Branch), northwest corner of road forks, on west bank of branch, north side of west road, top sandstone outcrop; chiseled square-----	717.96

Elna post office, 0.66 mile southeast of, 210 feet southeast of road forks, road northeast leads up Andy Lick Branch, 175 feet southeast of Menassa Stableton's residence standing on west side of road, 65 feet northwest of small drain from northeast, on right side and 3½ feet above road, top rock outcrop; chiseled square.....	Feet. 785. 33
Elna post office, 0.30 mile southeast of, about 200 feet from mouth of Andy Lick Branch, at north end of loop in road to north in mouth of Andy Lick Branch, on north side of road, west side of branch at bend in road to southwest, top large sandstone rock; bronze tablet stamped "663 Ky."-----	662. 604
Elna post office, 0.11 mile west of road forks, 50 feet east of mouth of Flat Gap Branch, 30 feet west of road forks, south side of road, north bank of Paint Creek, in root on north side of oak tree 3½ feet in diameter; copper nail-----	663. 21
Elna post office, 0.90 mile west of, 50 feet east of mouth of Osborne Branch, south side of road, north bank of Paint Creek, in root on north side of beech tree 2½ feet in diameter; copper nail-----	665. 03
Elna post office, 1.79 miles west of, at road crossing Bell Branch, 10 feet north of road on west bank of branch, top of sandstone rock; chiseled square-----	674. 08
Elna post office, 2.26 miles west of, road forks about 0.15 mile north of intersection of Little Paint Creek and Open Fork of Paint Creek, 25 feet east of road at forks, in projection on south face of large sandstone rock; bronze tablet stamped "686 Ky."-----	685. 988
Elna post office, 2.26 miles west by 0.49 mile south of road forks, at mouth of Lost Creek on Little Paint Creek, southwest corner of road forks, north bank of Lost Creek, in root on east side of beech tree 3 feet in diameter; copper nail-----	681. 15
Elna post office, 2.26 miles west by 1.07 miles south of, road forks 190 feet north of road crossing Joe Cole Branch, on east side of north-south road, west bank Little Paint Creek, 20 feet south of center of roads, top sandstone rock; chiseled square-----	702. 26
Elna post office, 2.26 miles west by 1.50 miles south of, 60 feet east of road forks, on west bank of Little Paint Creek, 240 feet north of mouth of Mine Fork of Little Paint Creek, on south side of road leading to ford, top large sandstone rock; chiseled square-----	686. 61
Win post office, 2.86 miles northwest of, at road forks, at mouth of Little Mine Fork of Mine Fork of Little Paint Creek, on north side and 10 feet above forks of road, in large sandstone rock; bronze tablet stamped "754 Ky."-----	754. 346
Win post office, 1.69 miles northwest of, at schoolhouse, on Little Mine Fork, 50 feet north of schoolhouse, on west side of road, in root on east side of maple tree 1 foot in diameter; copper nail-----	841. 74
Win post office, 0.83 mile northwest of, at head of Little Mine Fork, at foot of west side of hill between Little Mine Fork and Harges Creek, 50 feet west of James H. Cantrill's residence, on south side of road, at southeast corner of corn shed, top flat stone at foot of corner foundation; chiseled square-----	944. 36
Win post office, 0.05 mile northwest of, top of divide between Little Mine Fork and Harges Creek, on east side of road, in root on road side of 3½-foot oak tree; copper nail-----	1, 146. 40

	Feet.
Win post office, road forks at head of Harges Creek, 90 feet south of road forks, on east side and 11 feet above road to south (leading to Pigeon Creek), in face of sandstone outcrop; bronze tablet stamped "922 Ky."-----	922. 628
Win post office, 0.50 mile south of, top of divide between Harges and Pigeon creeks, on east side of road at top, in root on west side of oak tree 14 inches in diameter; copper nail-----	1, 158. 46
Win post office, 0.90 mile south of, road forks on Right Fork of Pigeon Creek, road west leads to Tick Lick Creek, road north leads to Harges Creek, northwest corner of road forks, outside of fence corner of yard to house, in root on east side of 2½-foot walnut tree; copper nail-----	910. 72
Win post office, 1.18 miles southeast of, at forks of Pigeon Creek, 50 feet northwest of forks of creek, north bank of northwest fork, south side of road, in trunk of sycamore tree (2 pronged), 5 inches in diameter; copper nail-----	873. 79
Win post office, 2.20 miles southwest of, at head of Left Fork of Pigeon Creek, 100 feet south of hill between Pigeon Creek and Collins Branch, 140 feet south of residence of C. C. Meade (standing on east side of road at forks of creek), on east side and 4 feet above road, on outside of fence line, in root on east side of apple tree 1 foot in diameter; copper nail-----	988. 76
Win post office, 2.50 miles southwest of, at northeast corner of road forks, at top of divide between Left Fork of Pigeon Creek and Collins Branch, road northeast leads along ridge to head of Dry Creek, in root on west side of 2-foot oak stump; copper nail-----	1, 244. 64
Oil Springs post office, 1.62 miles west thence 0.74 mile northwest of, top of divide between Gulletts Branch and Litterals Fork, 50 feet southwest of gap and road forks, in field, in root on south side of oak tree 2 feet in diameter; copper nail-----	1, 205. 41
Oil Springs, 1.62 miles west by 0.68 mile northwest of, 280 feet southeast of road forks at top of gap between Gulletts Branch and Litterals Fork, on north side and 3 feet above road, top of large sandstone rock; bronze tablet stamped "1179 Ky."-----	1, 179. 501
Oil Springs, 1.62 miles west of, 50 feet east of mouth of Gulletts Branch, on road fork of Little Paint Creek, on north side and 7½ feet above road and creek, in root on northwest side of 3-foot sycamore tree; copper nail-----	915. 73
Oil Springs, 0.70 mile west of, 330 feet east of residence of Dud Conley and branch from south, 740 feet west of mouth of Long Branch, on south side of road, north bank and 5 feet above creek, in root on north side of walnut tree 1½ feet in diameter; copper nail-----	873. 58
Oil Springs, 600 feet north of road forks, 150 feet north and 100 feet west of bend in road to west, 50 feet west of west end of F. M. Litteral's barn, standing in mouth of drain on north side of road, on west side and 18 feet above drain from north, on east side of low spur ridge from north, top of sandstone outcrop; bronze tablet stamped "891 Ky."-----	891. 589
Oil Springs, southwest corner of road forks, front of George Price's store, top square sandstone rock 10 by 10 inches; chiseled square--	844. 00
Oil Springs, 1.05 miles south of, at point where road separates into creek and bottom roads, about 175 feet south of residence of Flemon Litteral, between roads, in root on south side of sycamore tree 2½ feet in diameter; copper nail-----	858. 87

Oil Springs, 2.08 miles south of, on west side of road opposite residence of B. J. Blain, at north side of blacksmith shop, in root on north side of 1½-foot walnut tree; copper nail-----	Feet. 806. 92
Oil Springs, 2.25 miles south of, Ballot post office, 150 feet east of road forks, at mouth of Saylor (Road) Fork, 130 feet northwest of junction of creeks, in bottom, in root on southeast side of chestnut tree 2 feet in diameter; copper nail-----	900. 67
Oil Springs, 3.09 miles south of, 300 feet south of top of gap between Little Paint Creek and Greenrock Fork of Jenny Creek, on west side of road, top of large sandstone rock; bronze tablet stamped "943 Ky."-----	942. 962
Riceville post office, 0.70 mile northeast thence 1.83 miles northwest of, 190 feet north of forks of Greenrock Fork, 70 feet southeast of schoolhouse, on west side of north fork of creek and road, in root on west side of maple tree, maple and oak trees 14 inches in diameter; copper nail-----	747. 37
Riceville post office, 0.70 mile northeast and 1.30 miles northwest of, on Greenrock Fork, 125 feet west of mouth of branch from east, 225 feet east of residence of Daniel Brown, west side of road north bank of creek, on root on east side of sycamore tree (3-forked top); copper nail-----	720. 15

From Martha southeast along highways to point near Lowmansville.

Martha post office, northeast corner of fork of roads, opposite and 30 feet north of D. W. Skaggs's store and post office, west bank of Blaine Creek, in root on east side of Sycamore tree 2½ feet in diameter; copper nail-----	674. 02
Martha post office, 0.60 mile south of, road crossing top of ridge, between Little Lick Branch of Upper or Big Laurel Creek and Blaine Creek, at point where road to north leaves main ridge, on spur 20 feet south of highest point of road, in root on north side of north tree of two chestnut trees 15 inches in diameter (standing between old and new roads); copper nail-----	1, 092. 58
Martha post office, 1.46 miles southeast of, at road forks at mouth of Little Lick Branch of Upper or Big Laurel Creek, 375 feet west of residence of J. A. Dials, on south side of road at forks, opposite center of south side of triangular grass plot, in edge of road, top sandstone rock; chiseled square-----	773. 69
Martha post office, 2.04 miles southeast of, on Big or Upper Laurel Creek, 200 feet north of Skaggs's mill, 40 feet south of road forks, 140 feet south of ford of creek, at Lawrence-Johnson county line, on west bank of creek, east side of south road, top of large sandstone rock; bronze tablet stamped "692 Ky."-----	692. 445
Burg post office, about one-half mile west of, road forks, on ridge road, between Lower and Upper Laurel creeks, 400 feet south of Laurel Hill Church, southeast corner of road forks, in root on west side of 2-foot oak tree; copper nail-----	983. 05
Winifred post office, 0.20 mile north thence 2.60 miles northwest of, center of road forks, on Beach Branch of Lower Laurel Creek, at schoolhouse, road north leads to top of ridge between Upper and Lower Laurel creeks, in root on east side of walnut tree 2 feet in diameter; copper nail-----	866. 62

Winifred post office, 0.20 mile north by 2.40 miles west of, 30 feet east of center road forks on Beech Branch of Lower Laurel Creek, 0.40 mile above its mouth, road south leads to Flat Gap, on north side of east-west road, on west side of small drain from north, top of sandstone outcrop; chiseled square-----	Feet. 829.52
Winifred post office, 0.20 mile north by 2.03 miles west of, at mouth of Beech Branch on Little or Lower Laurel Creek, 100 feet north-west of ford of creek, on east side and 5 feet above road, top of large sandstone rock; bronze tablet stamped "749 Ky."-----	748.816
Winifred post office, 0.20 mile north by 1.55 miles west of, 80 feet west of road forks on Ross Branch, road north leads down Lower Laurel Creek, road west leads to mouth of Beech Branch, on south side of west road, top sandstone outcrop (at edge of wheel track); chiseled square-----	860.70
Winifred post office, 0.20 mile north by 1.15 miles west of, top of divide between Shop Branch of Frank Creek and Ross Branch of Little or Lower Laurel Creek, 275 feet south of point where road from east reaches top of ridge, 30 feet south of fence line to west, on west side of road, in root on north side of chestnut tree; copper nail-----	1,069.26
Winifred post office, 0.20 mile north by 0.70 mile west of, at forks of Shop Branch, at front of residence of Lewis Wheeler, 75 feet west of bridge over creek and forks, on south side of road, in root on road side of silver maple tree 14 inches in diameter; copper nail...	868.52
Winifred post office, 0.19 mile north of, 170 feet north of road to east, 120 feet south of road to west (leading up Shop Branch), 100 feet north of schoolhouse, on west side of road, top sandstone outcrop; bronze tablet stamped "814 Ky."-----	813.993
Winifred post office, 0.18 mile north of, southeast corner of cross-roads at schoolhouse, front of northwest corner of store building, in drain, top of sandstone outcrop; chiseled square-----	815.29
Frank Creek, water level at road to east, September 11, 1915-----	805.0
Winifred post office, 0.75 mile east of, top of divide between Frank Creek and Bridge Branch of Hood Fork, 20 feet west of road, inside of fence, in root on road side of oak tree 6 inches in diameter; copper nail-----	1,020.50
Davisville post office, 0.70 mile southwest of, at mouth of Bridge Branch on Hood Fork, on east side of T road forks, in line with center of road to west, 35 feet north of north end of highway bridge over Bridge Branch, level with road, top sandstone rock; chiseled square-----	763.25
Davisville post office, 0.25 mile south of, road forks 0.25 mile west of mouth of Rockhouse Fork on Hood Fork, 75 feet west of center of road forks, on north side of west road, top sandstone outcrop; bronze tablet stamped "758 Ky. 1915"-----	757.457
Davisville post office, 1 mile south of, road crossing mouth of Clevenger Branch on Rockhouse Fork of Hood Fork, 25 feet east of road, north bank of branch, in root on road side of hickory tree 14 inches in diameter; copper nail-----	748.41
Davisville post office, 1.80 miles south of, 100 feet south of road crossing Barn Branch on Rockhouse Fork of Hood Fork, on west side of road, in root on west side of oak tree 3 feet in diameter; copper nail-----	788.80

Davisville post office, 2.72 miles south of, 275 feet southwest of road forks, road east leads up Green Branch to head of Brush Creek, 30 feet east of mouth of Green Branch, at second-class road to west, on west side of road to south, north side of road to west, in root on southwest side of sycamore tree 1½ feet in diameter used as fence corner; copper nail-----	Feet. 786. 95
Davisville post office, 3.89 miles south of, 0.86 mile west of Chandler-ville post office, road forks at head of Rockhouse Fork of Hood Fork, 160 feet east of road forks, on north side and 6 feet above road and creek, in top of projection of sandstone outcrop; bronze tablet stamped "821 Ky. 1915"-----	820. 818
Chandlerville post office, 0.20 mile east of, at mouth of small branch from south, at residence of Renze Caudell, owned by James Ramey, 120 feet east of road crossing branch, 50 feet east of barn, on north side of road, in root on south side of 1½-foot chestnut tree; copper nail-----	905. 94
Chandlerville post office, 0.57 mile east of, top of divide between Rockhouse Fork of Hood Fork and Castle Fork of Left Fork of Georges Creek, on south side of road, in root on road side of 2½-foot oak tree; copper nail-----	1, 029. 39
Chandlerville post office, 1.21 miles east of, 0.18 mile east of east foot of hill between Rockhouse Creek and Castle Fork of Left Fork of Georges Creek, front of residence of Jackson Castle (standing on south side of road), in gate to front yard, top of east end of sandstone rock; chiseled square-----	764. 26
Chandlerville post office, 1.66 miles east of, at mouth of William Castle Fork of Castle Fork of Left Fork of Georges Creek, 40 feet east of junction of creeks, east bank of creek, north side of road to east, in root on southeast side of persimmon tree 2 feet in diameter; copper nail-----	713. 06
Lowmansville, 0.60 mile southwest by 1 mile west of, on Castle Fork of Left Fork of Georges Creek, 80 feet west of residence of Canada Brown (standing on north side of road in mouth of drain from north), on south side of road, at fence line, in root on southeast side of three-pronged apple tree 2½ feet in diameter; copper nail-----	684. 21
Lowmansville, 0.60 mile southwest of, in southwest corner of road forks at schoolhouse, in root of 3-foot beech tree; copper nail (the original bench set in this tree in 1914 had been cut out, and Bull. 554 value, 655.37, is discarded)-----	655. 25

From Staffordsville north along highway to Winifred.

Staffordsville post office, 0.97 mile north of, at H. P. Conley's store, 60 feet south of road forks east, on bank of Mudlick Creek, west side of roads, in root on east side of beech tree 1½ feet in diameter; copper nail-----	619. 59
Staffordsville post office, 1.93 miles north of, mouth of Slate Branch on Mud Lick Creek, on south side of road, in bed of branch, top rock bed; chiseled square-----	637. 39
Staffordsville post office, 2.40 miles north of, 250 feet south of road forks, road northwest leads to Flat Gap, road northeast leads up Stableton or Big Laurel Branch to head of Larkin Brown Branch of Tom Creek, on east side of road, in face of sandstone cliff; bronze tablet stamped "653 Ky."-----	652. 656

Staffordsville post office, 2.40 miles north by 0.94 mile northeast of, top of gap between Stableton or Big Laurel Branch of Mudlick Creek and Larkin Brown Branch of Tom Creek, at top of gap, on north side of road, opposite residence of William Brown, in root on east side of persimmon tree 5 inches in diameter; copper nail-----	Feet. 851. 01
Sitka post office, 0.90 mile west of road forks, at head of Tom Creek, between roads, in root on north side of maple tree 3 feet in diameter; copper nail-----	698. 88
Sitka post office, 0.90 mile west by 0.88 mile north of, at forks of James Stumbo Branch into Springville and Stone Coal forks, on east bank of creek at forks, at water's edge, top sandstone rock; chiseled square-----	751. 82
Sitka post office, 0.90 mile west by 1.43 miles northwest of, road forks on Stone Coal Fork of James Stumbo Branch of Tom Creek, road south leads across hill to Mudlick Creek, on east side of road forks and creek, opposite and in line with center of doorway to shed, at north end of Mrs. N. Pickelsimer's barn, 1 foot above and at water's edge of creek, in rock outcrop; chiseled square----	815. 85
Kerz post office, 0.37 mile south of, 0.20 mile south of top of gap between Stone Coal Fork of James Stumbo Branch of Tom Creek and Puncheon Fork of Hood Fork, 120 feet north of John Le Masters's residence (standing on east side of road), 85 feet north of branch from east, 150 feet south of branch from west, 5 feet north by 30 feet east of northwest corner of barn, on east side of road, east bank of creek, top rock at water's edge; bronze tablet stamped "898 Ky."-----	898. 046
Kerz post office, in schoolhouse yard, west side of road, top on east side of stone curbing of well; chiseled square-----	908. 15
Kerz post office, 1.03 miles north of, at road forks at mouth of Puncheon Fork of Hood Fork, 30 feet east of center of road forks, on north side of road, opposite residence owned by A. J. Barnett, in top of rock outcrop, 3 feet above road; chiseled square-----	851. 19
Top of low gap between Hood Fork and Frank Creek, center of road.	754. 0
Winifred post office, 2.43 miles south of, at foot of west side of gap between Hood Fork and Frank Creek on Paintsville-Flat Gap road, 90 feet north of road forks, on west side of creek and road, front of blacksmith shop, in root on northeast side of sycamore tree 3 feet in diameter; copper nail-----	886. 08
Winifred post office, 2.25 miles south of, at northwest corner of road forks, road west leads across hill to Flat Gap post office, at southeast corner of small store building, top stone of foundation; chiseled square-----	880. 62
Winifred post office, 1.61 miles south of, at road forks at residence of Shank Saylers, road east leads to Daniels Branch of Hood Fork, on south side of road forks, north bank of Frank Creek, 30 feet west of junction of creeks, in root on northeast side of chestnut tree 2 feet in diameter; copper nail-----	855. 34
Winifred post office, 0.54 mile southeast of, at southeast corner of road forks at northeast corner of store of Freland Le Master, road east leads across hill to Sloane Branch of Hood Fork, top of base of corner foundation stone; chiseled square-----	835. 66

From Martha southwest along highways up Blain Creek and Keaton Fork to divide, thence south down Open Fork to mouth of Little Paint Creek.

Martha post office, 0.65 mile west of, at road crossing mouth of Lee Gamble Branch, 25 feet west of branch, north side of road, in root on road side of 2½-foot sycamore tree; copper nail-----	Feet. 679. 01
Martha post office, 1.62 miles west of, 360 feet west of road forks, 75 feet west of mouth of Keaton Fork, 170 feet west of ford of Blaine Creek, on south bank of Keaton Fork, at Lawrence-Morgan county line crossing, in edge of bank 2 feet above water, top sandstone outcrop; bronze tablet stamped "684 Ky."-----	684. 178
Martha post office, 1.62 miles west by 0.75 mile south of, at northeast corner of road forks, at mouth of Barren Rock Branch, west bank of Keaton Fork, 80 feet north of intersection of creeks, top sandstone outcrop; chiseled square-----	700. 12
Keaton post office, 0.28 mile north of, 75 feet north of road crossing mouth of Bill Wright Branch, 50 feet south of front of William McKenzie's residence (standing on north side of road), on north side and 1½ feet higher than road, top sandstone outcrop; chiseled square -----	743. 04
Keaton post office, on south side of road, 5 feet west of northwest corner of post-office building, top sandstone rock; chiseled square--	750. 13
Keaton post office, 0.77 mile south of, 180 feet south of private road to west which leads across creek to store and residence of T. C. Rose, on west side of road, east bank of creek, near top of rise in road, in root on southeast side of oak tree 2½ feet in diameter; copper nail-----	801. 17
Keaton post office, 1.60 miles south of, 0.33 mile south of Ferguson and Evans store, 0.25 mile south of church, 675 feet south of road forks, 175 feet south of mouth of branch from east, on east side and 5 feet above creek, under oak tree 15 inches in diameter, in face of rock outcrop; bronze tablet stamped "819 Ky."-----	819. 169
Keaton post office, 2.48 miles southwest of, at foot on east side of hill between Keaton Fork and Brown Branch of Open Fork of Paint Creek, 130 feet west by 40 feet north of residence of Franklin P. Hamilton, 60 feet east of barn, 10 feet north of west end of small shed, on north bank of creek, north side of road, in root on south side of sycamore tree 4 inches in diameter; copper nail-----	887. 07
Top of gap in ridge between Keaton Fork and Brown Branch of Open Fork of Paint Creek, center of road-----	1, 026. 1
Relief post office, about 0.70 mile southeast thence 0.66 mile east of, 230 feet east of road forks, at foot of west side of hill between Keaton Fork and Brown Branch of Open Fork of Paint Creek, on south side of Red Bush road, north bank of creek, in root on south side of walnut tree 2 feet in diameter; copper nail-----	803. 06
Relief post office, about 0.70 mile southeast of, center of road forks at J. A. Coxe's store, near mouth of Brown Branch on Open Fork of Paint Creek, in root on southwest side of 2-foot buckeye tree; copper nail-----	725. 18
Ophir post office, 0.15 mile east by 1.24 miles north of, at north side and 6 feet above mouth of Rockhouse Branch on Open Fork of Paint Creek, on west side of road, at fence corner, top of rock outcrop; chiseled square -----	722. 61

Ophir post office, 0.15 mile east by 0.56 mile north of, at mouth of Darr Branch, at northwest corner of road forks, south bank of branch, west side of north-south road, 30 feet southwest of south end of bridge, top sandstone cliff; chiseled square.....	Feet. 727.04
Ophir post office, 0.15 mile east of, 750 feet east of mouth of Upper Sand Lick, at road forks, on east side of Open Fork of Paint Creek, on west side of roads opposite store of Jess Gillman, top sandstone outcrop; chiseled square.....	755.77

PINEVILLE QUADRANGLE.¹

[Latitude 36° 45'–37°; longitude 83° 30'–83° 45'.]

Leveling in 1916 by S. R. Archer.

From point near southeast corner of quadrangle northwest along highway down Pucketts Creek to Hulen station and Calloway.

Hulen station, 2.81 miles southeast of, 160 feet east of mouth of Little Bill Howard's Branch, on north bank of Puckett Creek, south side of road, opposite and 100 feet east of residence of Jim Howard, in root on northwest side of 1½-foot sycamore tree; copper nail.....	1, 144. 19
Hulen station, 2.20 miles southeast of, about 0.06 mile north of mouth of Blacksnake Branch on Puckett Creek, 225 feet north of road, 270 feet north by 165 feet west of mouth of Halfway Branch, 260 feet northwest of house standing on north side of road at mouth of Halfway Branch, on south side of low spur ridge from northeast in field, top of large sandstone rock; bronze tablet stamped "1149 Ky.".....	1, 149. 012
Hulen station, 1.57 miles southeast of, about one-fourth mile above mouth of Campbell Branch on Puckett Creek, road forks, on north bank of Puckett Creek, on south side of triangle, of roads, in root on north side of double sycamore tree 2 feet in diameter; copper nail.....	1, 109. 50
Hulen station, 0.90 mile southeast of, opposite and 30 feet north of mouth of Bull Branch on Puckett Creek, at south side of east end of footbridge across Puckett Creek leading to Carter Howard's residence, 40 feet east of water's edge, on east side of Puckett Creek, in root on southwest side of 2.5 foot sycamore tree; copper nail.....	1, 086. 77
Hulen station, Louisville & Nashville R. R. concrete viaduct over highway, on south side of track, top of west end of guard wall of; chiseled square.....	1, 083. 13
Hulen station, 0.62 mile west of, 290 feet east of milepost "L 222, C 50, B 43," top south end of stone railroad culvert over branch from southwest; chiseled square.....	1, 085. 12
Calloway post office, 0.20 mile south of, 465 feet northwest of mail crane at railroad for Calloway post office, in path leading from railroad to post office, at fence corner, west side of path, in root on east side of 3-foot sycamore tree; copper nail.....	1, 080. 31
Calloway post office, 200 feet northwest of, 300 feet northwest of residence of J. A. Calloway, 10 feet north of road, in large sandstone boulder; aluminum tablet stamped "1082 Lex." (see Bull. 554, p. 76).....	1, 081. 923

¹ For additional elevations, see Bull. 554, p. 76.

PRESTONSBURG QUADRANGLE.¹

[Latitude 37° 30'–37° 45'; longitude 82° 45'–83°.]

Leveling in 1914 by S. R. Archer.

Near East Point.

Auxier, 0.50 mile northwest of, at mouth of Johns Creek on Levisa Fork of Big Sandy River, top of west bank of Johns Creek, north bend of Levisa Fork, south side of road, 250 feet east of J. S. Kelly's residence, in root on west side of 14-inch locust tree; three 8-penny nails-----	Feet. 610.64
East Point, 0.45 mile east of, foot of hill at back of bottom on east side of river, bend in road to southwest at right angles, 60 feet southwest of house standing on north side of road, at bend, 20 feet west of bend on north side of road, at fence line, in root on road side of apple tree 10 inches in diameter; spike-----	640.33
East Point, in front of J. C. B. Auxier's store, at west end of south abutment of driveway under railroad; iron post stamped "615 Ky."-----	614.796

Leveling in 1915 by S. R. Archer and George W. Lucas.

From point 1.5 miles north of Prestonsburg along highways west to Ivyton, thence northeast to point 2.06 miles northeast of Riceville. (Leveled twice between Ivyton and Riceville.)

Prestonsburg, 1.5 miles north of, 500 feet south of Cliff station, north concrete abutment of Chesapeake & Ohio Ry. bridge 727, on top of west end of parapet wall; chiseled square marked "635.0,"-----	634.72
Cliff station, 1.22 miles west of, 30 feet north of Abbott Creek, 30 feet east of railroad crossing, on top of 4 by 4 by 2 foot sandstone boulder; chiseled square marked "T. B. M. 624"-----	624.26
Cliff station, 3.41 miles west of, 0.50 mile west of the forks of Abbott Creek, north side of creek, set in sandstone boulder 6 by 6 by 6 feet; bronze tablet stamped "Ky. 638"-----	638.046
Cliff station, 4.03 miles west of, mouth of Hackwith Branch of Abbott Creek, 80 feet southwest of road fork, in root of 36-inch sycamore tree; copper nail with washer marked "t. b. m. 654.7"-----	654.70
Cliff station, 4.37 miles west of, mouth of Coppers Lick of Abbott Creek, 30 feet southeast of road fork, in root of dead willow tree; copper nail with washer marked "t. b. m. 654.5"-----	654.42
Bonanza, 30 feet north of road, 5 feet west of Abbott Creek, south of old mill, in top of sandstone outcropping; bronze tablet stamped "Ky. 683"-----	682.581
Bonanza, 1.24 miles west of, 100 feet north of Abbott Creek, 50 feet north of house, north side of bridge over wagon road, in root of 12-inch sycamore tree; copper nail marked "t. b. m. 808.4"-----	808.37
Bonanza, 2.28 miles west of, 60 feet west of gap between Abbott Creek and State Road Fork of Middle Creek, south side of road in root of 24-inch beech tree; copper nail with washer marked "t. b. m. 1180"-----	1,179.83
Bonanza, 3.28 miles west of, 50 feet west of Sam Yates's store, on west side of State Road Fork of Middle Creek, in sandstone outcropping; bronze tablet stamped "Ky. 875"-----	874.977

¹ For additional elevations, see Bull. 554, p. 31.

Bonanza, 4.66 miles west of, mouth of State Road Fork of Middle Creek, 300 feet west of schoolhouse, 100 feet southwest of Middle Creek, on sandstone outcropping; chiseled square marked "t. b. m. 779.3"-----	Feet. 779. 25
Bonanza, 5.77 miles west of, mouth of Bear Branch on Lost Fork of Middle Creek, 50 feet south of road, in root of lone sycamore tree; copper nail with washer marked "t. b. m. 820.6"-----	820. 48
Ivyton, at T road north, 75 feet west of small branch, in southeast sandstone block in foundation of building owned by D. B. Sailyer; bronze tablet marked "Ky. 882"-----	881. 863
Ivyton, 1 mile northeast of, in top of gap between Middle and Jenny creeks, inside of yard and in front of farm house of U. G. Trimble, in top of cedar stump; copper nail with washer marked "t. b. m. 1001.5"-----	1, 001. 37
Ivyton, 2.35 miles northeast of, 1.09 miles west of Riceville post office, 30 feet north of Jenny Creek, on south side of road, 100 feet north of house; marked "t. b. m. 791.2"-----	790. 98
Riceville post office, 400 feet east of, 100 feet north of mouth of Long Fork of Jenny Creek, 10 feet east of creek, in sandstone outcropping; bronze tablet stamped "Ky. 697"-----	696. 205
Riceville, in front of Big Sandy & Kentucky River Ry. station; top of rail-----	682. 1
Riceville post office, 1.56 miles northeast of, 50 feet north of Jenny Creek, 15 feet northwest of Big Sandy & Kentucky River Ry. crossing, in sandstone cliff; chiseled square marked "t. b. m. 679.8"-----	679. 52
Riceville post office, 2.06 miles northeast of, 100 feet east of Big Sandy & Kentucky River Ry. road crossing, 30 feet south of track, 3 feet south of road, in 8-inch oak tree; copper nail with washer marked "t. b. m. 662.6"-----	662. 24
 From Prestonsburg along highways southwest up Left Fork of Middle Creek and Open Fork to divide, thence down Brushy Fork and northwest down Licking River to point near Swampton.	
 Prestonsburg, steel highway bridge over Levisa Fork of Big Sandy River, top of south end of west approach, aluminum tablet stamped "641 Ky." (Bull. 554, p. 32)-----	 640. 688
Prestonsburg, 0.47 mile northwest of, 0.12 mile west of Middle Creek post office and railroad station, at steel highway bridge over Middle Creek, in top of east end of south stone abutment; chiseled square-----	627. 66
Prestonsburg, 1.47 miles southwest of, at mouth of Kitty Fran Branch, southeast corner of road forks, 30 feet east of junction of Kitty Fran and Pin Hook branches, on south side of Pin Hook Branch in bank, top of stone; chiseled square-----	617. 85
Prestonsburg, 2.56 miles southwest of, 130 feet south of road crossing Fitzpatrick Branch from northwest, opposite house standing on east side of road, fourth-class road to south leading to Spurlock Fork, on west side of road, at north end of sandstone outcrop; chiseled square-----	632. 46
Prestonsburg, 3.51 miles southwest of road forks, at mouth of Left Fork of Middle Creek, 50 feet northeast of forks of road, on north side and 10 feet above road to northeast, in top of sandstone outcrop; bronze tablet stamped "636 Ky."-----	636. 380

Prestonsburg, 4.56 miles southwest of, at point in road opposite and about 30 feet above mouth of Allens Branch, in line with road leading up Allens Branch, on north edge of road, top of projection of sandstone outcrop; chiseled square-----	Feet. 655. 38
Prestonsburg, 5.59 miles southwest of, at bend in road to west, 60 feet west of schoolhouse, on south side of road, east side of small drain, in base on road side of 8-inch walnut tree; copper tack-----	676. 86
Blue River post office, 1.66 miles northeast of, at road forks, about 0.30 mile west of mouth of Beech Fork, 50 feet east of forks on north side and 3 feet above road in bank, in top of projecting rock; chiseled square-----	676. 79
Blue River post office, 1.26 miles northeast of, at road crossing Sloan Branch from west, on south edge of road, south side of branch, 25 feet east of 2-foot chestnut tree standing on south fence line, level with road at foot of bank at edge of water hole, on top of rock outcrop; chiseled square-----	655. 36
Blue River post office, 0.55 mile north of, at road forks and ford of Buckeye Fork, on south side of road and creek at road forks, about 4½ feet above water, on top of projection of rock cliff; broaze tablet stamped "658 Ky."-----	658. 247
Goodloe post office, 0.51 mile north of, road forks at mouth of Lick Fork, 30 feet west of center of roads, on south side of west road, 2 feet north of south fence line, 10 feet west of fence corner, in line with east end of store building, top of pointed, 3-sided rock; chiseled square-----	672. 60
Goodloe post office, 0.86 mile south of, 160 feet east of mouth of Open Fork, one-eighth mile west of road forks, on north side and 10 feet under road, south bank of Left Fork of Middle Creek, about 3 feet above water level, near top projection of east end of sandstone cliff; bronze tablet stamped "673 Ky."-----	672. 793
Goodloe post office, 1.91 miles southwest of, opposite and 90 feet east of new ground branch on Open Fork, on south side of Open Fork and road, at Cold Spring, on east side of 6-inch crevice in rock leading from spring, at north end of rectangular hole cut in sides of crevice; chiseled square-----	715. 35
Goodloe post office, 2.86 miles southwest of, on Open Fork, 210 feet south of branch from west, 250 feet north of branch from east, 140 feet south of residence of Frank Shepherd (standing on west side of road), on east bank of creek, in root on northeast side of walnut tree 14 inches in diameter; copper tack-----	795. 46
Goodloe post office, 3.50 miles southwest of, 170 feet north of top of gap between Open Fork of Left Fork of Middle Creek and Left Fork of Brushy Fork of Licking River, 40 feet east of road, in top of large sandstone rock; bronze tablet stamped "1159 Ky."-----	1, 159. 383
Goodloe post office, 4 miles southwest of mouth of Orchard Branch on Left Fork of Brushy Fork of Licking River, on north side of road, east side of branch at fence line, in root on west side of apple tree 2 feet in diameter; copper tack-----	1, 047. 04
Goodloe post office, 4.54 miles southwest of, 110 feet east of forks of Brushy Fork of Licking River, on south side of Left Fork, in face of large sandstone rock; chiseled square-----	985. 19

Goodloe post office, 5.10 miles southwest of, on Brushy Fork of Licking River, 80 feet east of road crossing mouth of Muddy Branch, on south bank of branch, at water's edge, in root on north side of maple tree 2 feet in diameter; copper tack-----	Feet. 987.04
Ordway post office, 1 mile north and 4.88 miles southeast of, road forks at mouth of Brushy Fork on Licking River, 25 feet northwest of center of road forks, on north side of west road, top of sandstone rock; chiseled square-----	968.20
Ordway post office, 1 mile north and 4.03 miles southeast of, 320 feet northwest of road crossing mouth of Big Branch, on north side and 4 feet above road, in top of shelf of sandstone cliff; bronze tablet stamped "991 Ky."-----	990.903
Ordway post office, 1 mile north and 2.87 miles southeast of, at mouth of Mollies Branch, 50 feet east of road forks, on south bank of branch, in root on west side of poplar tree 2 feet in diameter; copper tack-----	952.05
Ordway post office, 1 mile north and 1.97 miles southeast of, 0.80 mile south of mouth of Howard Branch, 100 feet north of residence of William Hale (standing on west side of road), on west road fence line, in root on road side of poplar tree 2½ feet in diameter; copper tack-----	967.50
Ordway post office, 1 mile north and 1.02 miles southeast of, 0.14 mile northwest of mouth of Howard Branch, about 400 feet west of residence of J. T. Shepherd (standing in mouth of branch from north), 40 feet north and 9 feet above road forks, top of projection southeast corner of large sandstone rock; bronze tablet stamped "953 Ky."-----	953.177
Ordway post office, 1 mile north of, 160 feet east of mouth of Trace Fork on Licking River, 50 feet southeast of road forks, 100 feet east of ford of Licking River, on east side of road, in top of projection of rock ledge; chiseled square marked "U. S. □ B. M."-----	934.674
Ordway post office, 1.40 miles north of, at mouths of Big and Little White Lick branches on Licking River, 200 feet northwest of Big White Lick, 75 feet east of mouth of Little White Lick, on south side of road, north bank of river, in base on road side of willow tree (crooked body) 10 inches in diameter; copper tack-----	928.891
Ordway post office, 1 mile north, thence 1.50 miles northwest of, 0.90 mile southeast of mouth of Buck Creek, 70 feet south of road forks and bend in Licking River to south, in root on north side of south tree of two willow trees standing between two birch trees, 1 foot in diameter, on west side of road, east bank of Licking River; copper tack-----	926.45
Wireman post office, 0.40 mile west, thence 1.60 miles southeast of, 0.16 mile northwest of mouth of Buck Creek, 180 feet north of ford of Licking River, 150 feet north of road forks, front of residence of Irvin Carpenter, on east side of road, west bank of Licking River, in root on road side of ash tree 3 feet in diameter; copper tack-----	923.84
Wireman post office, 0.40 mile west, thence 0.72 mile southeast of, about 0.30 mile northwest of mouth of Long Creek, 380 feet west of ford of Licking River, 150 feet west of road forks, on north side of west road, top projection on north end of large sandstone boulder; bronze tablet stamped "925 Ky."-----	925.196

Wireman post office, 0.40 mile west of road forks at mouth of Salt Lick Creek, 70 feet northwest of ford and road forks, inside of east fence line, in root on south side of walnut tree 2½ feet in diameter; copper tack -----	Feet. 916. 77
Wireman post office, 0.40 mile west, thence 0.81 mile northwest of, at north end of loop in Licking River to north, 700 feet west of residence and store of Andy Brown, at bend in road and river to east, on north side of road, in projection at foot of southeast corner of large sandstone rock; chiseled square -----	938. 56
Wireman post office, 0.40 mile west, thence 1.16 miles northwest of, 125 feet east of road forks about 0.20 mile northeast of mouth of Bull Mire Branch, on north side of road, in root on road side of elm tree 2½ feet in diameter; copper tack -----	916. 15
Wireman post office, 0.40 mile west, thence 1.94 miles northwest of, at bend in Licking River and road to south, 85 feet west of road crossing branch from north, in front and opposite northwest corner of Sam Howard's barn, on north side of road in projection at foot of east end of rock cliff; chiseled square -----	931. 40
Wireman post office, 0.40 mile west and 2.95 miles northwest of, 725 feet west of road crossing Puncheon Camp Creek, 0.20 mile southwest of road forks (at mouth of Puncheon Camp Creek), on east side of and 4½ feet above road, top of south end of sandstone outcrop; bronze tablet stamped "914 Ky." -----	914. 046
From point 2.3 miles northwest of Swampton along highways northeast up Gun Creek to Ivyton.	
Swampton post office, 2.14 miles northwest thence 1 mile east of on Gun Creek, 150 feet west of residence of Fred Patrick (standing on north side of road), 85 feet west of branch from north, on south side of road, at northwest corner of barn lot, inside of fence, in root on road side of walnut tree 1 foot in diameter; copper tack -----	907. 05
Ivyton post office, 0.50 mile west, thence 3 miles southwest of, at forks of Gun Creek, 1.80 miles above its mouth, 30 feet east of creek intersections, on north side and 4 feet above east fork top projecting shelf in cliff; chiseled square -----	914. 49
Ivyton post office, 0.50 mile west, thence 2.40 miles southwest of, 190 feet west by 75 feet south of mouth of Sam Poe Branch, on Left Fork of Gun Creek, opposite south end of Elliott Marshall's barn, on south bank and 4½ feet above creek, in projection of cliff; bronze tablet stamped "936 Ky." -----	936. 002
Ivyton post office, 0.50 mile west by 1.60 miles south of, 300 feet north of branch from east, 270 feet north of Miles Fletcher's residence (standing in mouth of branch), on east side and 4 feet above creek, top south end of sandstone rock; chiseled square -----	990. 79
Ivyton post office, 0.50 mile west by 1.15 miles south of, 40 feet north of top of gap between Left Fork of Gun Creek and Burning Fork, on west side of road, in root on west side of poplar tree 6 inches in diameter; copper tack -----	1, 099. 03
Ivyton post office, 0.50 mile west of, at road forks, 100 feet northwest of center of roads, 40 feet north and 15 feet above Salyersville road, in root on south side of oak tree 3 feet in diameter; copper tack -----	971. 67

Near Riceville.

Riceville post office, 0.70 mile northeast of, at ford, at mouth of Greenrock Fork, at south side of Jenny Creek road, top of post on road side at west end of walk over Greenrock Fork; copper tack -----	Feet. 681. 51
Riceville post office, 3.17 miles northeast of, 140 feet south of Big Sandy & Kentucky River Ry., in 50-foot bluff on right bank of Jenny Creek, in sandstone outcropping; bronze tablet stamped "647 Ky."-----	647. 319

REGINA QUADRANGLE.

[Latitude 37° 15'-37°30'; longitude 82° 15'-82° 30'.]

Leveling in 1915 by S. R. Archer.

From point 3.2 miles west of Coleman west along highway to point near Deskin.	
Simers post office, 2.34 miles northwest thence 2.17 miles east of, at mouth of Pond Fork on Road Fork of Johns Creek, on south bank of Road Fork, 10 feet east of mouth of Pond Fork, 20 feet east of two large rocks, top of large flat rock; chiseled square-----	1, 261. 05
Simers post office, 2.34 miles northwest thence 1.31 miles east of, at mouth of Pritchett Branch on Road Fork of Johns Creek, on north bank of Road Fork, top large sandstone boulder; chiseled square.	1, 175. 45
Simers post office, 2.34 miles northwest thence 0.54 mile east of, west side of mouth of Shop Branch on north bank of Road Fork of Johns Creek, front of residence of Garfield Dotson, in root on north side of mulberry tree 8 inches in diameter; copper nail-----	1, 103. 35
Simers post office, 2.34 miles northwest of, at junction of Road and Long forks of Johns Creek, on west side of creek and road at west fence line, in root on north side of 1-foot poplar tree; copper nail.	1, 065. 46
Simers post office, 2.40 miles northwest of, 400 feet northwest of junction of Road and Long forks of Johns Creek, on north side of Johns Creek and road, 5 feet above water's edge, in face of rock cliff; bronze tablet stamped "1062 Ky."-----	1, 061. 837
Simers post office, 3.56 miles northwest of, at road forks, 420 feet south of mouth of Jessie Phillips Branch, fourth-class road leading to Grapevine Creek, about 300 feet southeast of residence of Mitch Adkins 60 feet south of cluster of three sycamore trees, on north side trail to southwest, west bank of Johns Creek, in root on creek side of sycamore tree, 15 inches in diameter; copper nail-----	1, 005. 53
Simers post office, 4.36 miles northwest of, 85 feet west of mouth of Gabriel Branch, on south side of road, north bank of Johns Creek, in root on north side of sycamore tree 1 foot in diameter (roots bare), under bank; 30-penny spike-----	969. 06
Deskin post office, 4.70 miles southeast of, 125 feet east of mouth of Marts Branch on north bank of Johns Creek, in root on north side of sycamore tree 2½ feet in diameter; copper nail-----	942. 89
Deskin post office, 4.30 miles southeast of, opposite and 400 feet northeast of mouth of Mays or Merediths (commonly called Laynes) Branch, 45 feet east of mulberry tree, 8 inches in diameter, 30 feet west of gum (peperage) tree 1 foot in diameter, at foot of low spur from north, north side of road at point, in projection of sandstone outcrop; chiseled square-----	932. 93

Deskin post office, 3.35 miles southeast of, 300 feet east of mouth of Elkhorn Creek, on north side of Johns Creek and road, at foot of rock cliff, top of west end of large boulder; bronze tablet stamped "897 Ky."-----	Feet. 896. 675
From point 2.3 miles northwest of Simers along highways up Long Fork, down Second Fork and Big Creek, and up Levisa Fork to Buckeye Branch, Va. (Portions of line.)	
Simers post office, 2.34 miles northwest of, at junction of Road and Long forks of Johns Creek, on west side of creek and road, at west fence, in root on north side of 1-foot poplar tree; copper nail-----	1, 065. 46
Simers post office, 1.28 miles northwest of, 150 feet south of mouth of Cow Branch on Long Fork of Johns Creek, on west side of Long Fork and road, in root on east side of hawthorn tree 5 inches in diameter; copper nail-----	1, 157. 86
Simers post office, 0.47 mile northwest of, at mouth of Splash Dam Hollow from east, on west side of creek at lower end of Splash Dam, top rock ledge; chiseled square-----	1, 233. 57
Simers post office, 0.43 mile east of, 15 feet east of southeast corner of schoolhouse, north bank of creek, in root on north side of beech tree 2 feet in diameter; copper nail-----	1, 338. 33
Simers post office, 0.71 mile east of, 490 feet south of mouth of Cane Patch Fork of Long Fork of Johns Creek, 100 feet south of R. N. Dotson's store, 30 feet north of bend in creek to east, on west side of creek at water's edge, top projection of rock outcrop; bronze tablet stamped "1366 Ky."-----	1, 366. 675
Nigh post office, 800 feet west of, at mouth of Big Creek, 200 feet north of center of mouth of Big Creek, 50 feet east of east bank of Levisa Fork, 350 feet south of schoolhouse, 40 feet north of 2 cedar trees 6 inches in diameter, 70 feet northeast of 4-foot sycamore tree standing on east bank of Levisa Fork, in root on northwest side of beech tree 2½ feet in diameter grown together with an elm 2½ feet in diameter; copper nail-----	776. 69
NOTE.—Line west along Levisa Fork starts here.	
Nigh post office, 0.15 mile west thence 1.35 miles southeast of, 100 feet north of mouth of Fish Trap Hollow from east, 25 feet north of small log stable, 40 feet south of small deserted log house, about 600 feet north of bend in river to southwest, on west side of road, east bank of Levisa Fork, in root on road side of hollow beech tree 2½ feet in diameter; copper nail-----	799. 04
Nigh post office, 0.15 mile west thence 1.80 miles south of, at mouth of Sam Mays Branch from east, east bank of Levisa Fork, west side of road, 25 feet south of road crossing branch, in root on west side of sycamore tree 6 inches in diameter; copper nail-----	792. 87
Nigh post office, 0.15 mile west thence 2.78 miles southeast of, 700 feet west of mouth of Crooked Branch, opposite and 150 feet northwest of residence of John Whitt, at west end of loop in Levisa Fork to west, at bend in river to east, 120 feet north of house standing on west side of river, 200 feet northwest of mouth of small branch from west, on west bank of river, top sandstone rock; bronze tablet stamped "792 Ky."-----	791. 772

From Nigh post office along highways and Chesapeake & Ohio Ry. west down
Levisa Fork of Big Sandy River to Shelby.

Nigh post office, 0.60 mile west of, at mouth of Hunts Branch, 130 feet south of John Hunt's residence, on east side of Hunts Branch, north side of road, at southwest corner of triangle to road forks, in root on east side of locust tree 2½ feet in diameter; copper nail-----	Feet. 774. 75
Nigh post office, 1.43 miles west of, ford of Levisa Fork, 400 feet east of bend in river to east, on south side of river at water's edge, in root on northwest side of sycamore tree 4½ feet in diameter; copper nail-----	761. 47
Nigh post office, 2.21 miles west of, 0.85 mile north of mouth of Elkfoot Creek, opposite and 450 feet north of water mill, 55 feet south of small branch from east (Cane Hollow), on west side of road, east bank of Levisa Fork, in root on northeast side of gum (peperage) tree 2 feet in diameter; copper nail-----	767. 81
Nigh post office, 3.06 miles west of, 230 feet north of mouth of Elkfoot Creek, on east side of road, in root on north side of chestnut tree 4 feet in diameter; copper nail-----	775. 31
Nigh post office, 3.35 miles west of, 0.25 mile northwest of mouth of Elkfoot Creek, 0.35 mile west of G. W. Rose's store, 600 feet south of ford of Levisa Fork, on west bank of river and road, south rock of cluster of large sandstone rocks (rock in roots of two-forked elm tree); top of bronze tablet stamped "774 Ky."-----	774. 316
Nigh post office, 4.30 miles west of, 0.66 mile southeast of mouth of Island Creek, front of residence of C. T. Farley (standing on east side of road and river), on east bank of Levisa Fork, west side of road, at edge of river bank, in root on road side of maple tree 8 inches in diameter; copper nail-----	762. 08
Nigh post office, 4.96 miles west of, at mouth of Island Creek, 70 feet south of road crossing Island Creek, on west bank of Island Creek, in root on north side of walnut tree, 2½ feet in diameter; copper nail-----	753. 08
Nigh post office, 5.91 miles west of, 0.85 mile northeast of mouth of Lick Creek, on west side of road, above house and barn (standing in bottom) owned by G. J. Absher, 90 feet south of south end of barn, 65 feet north of front of house, 40 feet south of small drain from west, 1½ feet above road in bank, top rock outcrop; chiseled square-----	789. 76
Nigh post office, 6.60 miles west of, opposite and 175 feet west of mouth of Lick Creek, 140 feet west of road leading to northeast, 260 feet west of water mill, on north bank of Levisa Fork, top sandstone rock; bronze tablet stamped "738 Ky."-----	738. 440
Nigh post office, 7.63 miles west of, 1.03 miles southwest of mouth of Lick Creek, at south end of loop in Levisa Fork to south, 150 feet west of ford, south side of road to northwest, on north bank of Levisa Fork; in root on east side of birch tree 1 foot in diameter; copper nail-----	729. 51
Nigh post office, 8.36 miles west of, opposite mouth of Kings (Simms) Creek, 60 feet north of forks of road, 130 feet south of house (standing on north side of road at forks), between roads, in root on east side of south tree of two cedar trees 8 inches in diameter; copper nail-----	768. 70

Fish Trap post office, 5.41 miles east of, at road forks at mouth of Miller Creek, east side of Levisa Fork, south side of Miller Creek, at fence corner, top sandstone rock; chiseled square-----	Feet. 726. 94
Fish Trap post office, 4.16 miles east of, opposite and 420 feet north of mouth of Belcher (Morgans) Creek, 280 feet north of road forks and water mill, 70 feet west by 115 feet north of Isaac Justice's store, 100 feet south of southwest corner of church, on east bank and 35 feet east of water's edge of Levisa Fork, on west side and 20 feet below road, on south edge of small drain from east, top sandstone ledge; bronze tablet stamped "723 Ky."-----	723. 568
Fish Trap post office, 3.12 miles east of, at mouth of Beckeys Branch from north, on north bank of Levisa Fork, south side of road, at driveway to residence of J. W. Justice (standing on north side of road, west side of branch), in root on north side of sycamore tree 3 feet in diameter; copper nail-----	709. 65
Fish Trap post office, 2.25 miles east of, 0.14 mile south of mouth of Grapevine Creek, 70 feet west of road forks, on south side of road, opposite residence of J. F. Deskins, on north bank of old mill race, in root on road side of walnut tree 3½ feet in diameter; copper nail-----	716. 38
Fish Trap post office, 0.91 mile south of, 235 feet west of bend in road to northeast, tenant house owned by Hibbard Justice (standing on south side of road), opposite and 300 feet east of branch on south side of river, northwest corner of front yard at fence corner, south side of road, inside of fence, in root on south side of sycamore tree 14 inches in diameter; copper nail-----	729. 16
Fish Trap post office, 400 feet east of T. A. Justice's store and post office, 645 feet southeast of road forks at Hurricane Creek, on south side of road, north bank of Levisa Fork, top large sandstone rock; bronze tablet stamped "710 Ky."-----	709. 938
Fish Trap post office, 1 mile southwest of, 750 feet north of mouth of Joes Branch, at point where road to north leaves river bank, at lower end of bottom between road and river, west bank of Levisa Fork, east side of road, top sandstone rock; chiseled square-----	693. 59
Fish Trap post office, 2.08 miles below, at mouth of Adkins Hollow, at residence of Hibbard Justice, on east side of road, north bank of branch, at foot of slate cliff; chiseled square-----	714. 95
Millard post office, 4.15 miles northeast of, 200 feet south of road forks, at mouth of Jonnican Creek, on west side of road, north bank of Jonnican Creek, at fence line, in trunk of second willow tree from creek, tree 8 inches in diameter; copper nail-----	697. 33
Millard post office, 3.55 miles northeast of, 465 feet north of road forks, at mouth of Upper Pompey Creek, 180 feet north of schoolhouse, on east bank of Upper Pompey Creek, in top of large sandstone rock; bronze tablet stamped "704 Ky."-----	704. 445
Millard post office, 2.40 miles north of, 250 feet south of store and residence of Hibbard Justice, jr., on east-west property line between Mart and Hibbard Justice, jr., on east side of road inside of fence, top of large sandstone rock; chiseled square-----	712. 53
Millard post office, 1.50 miles northeast of, at road forks, at mouth of Lower Pompey Creek, on east bank of creek, south side of road to east, at fence line, in root on north side of sycamore tree 15 inches in diameter; copper nail-----	684. 53

Millard, opposite post office, 350 feet northeast of forks of Big Sandy River, on north bank of Levisa Fork, just east of road forks, road southwest leading to ford of Levisa Fork, on south side of road, in root on north side of 2-foot sycamore tree; copper nail-----	Feet. 678. 86
Millard post office, opposite The Forks station, 425 feet east of junction of Russell and Levisa forks, 225 feet east of wagon ford across Levisa Fork, on north bank of Levisa Fork, south side and 4 feet below road, top projection of large sandstone boulder; bronze tablet stamped "676 Ky."-----	676. 528
Millard, front of post office, opposite The Forks station, south side of east end of plank walk leading from depot to post office; copper nail-----	707. 21
Ward station, 500 feet north of Greasy Creek, northwest corner of station platform, 10 feet south of station board, top of timber curbing; bolthead painted white-----	702. 60
Shelby station, 0.98 mile southeast of, 240 feet north of small branch from west, 98 feet north of milepost 114, 330 feet north of house standing at mouth of branch and on west side of track, west side of railroad, level with rail, top of projection of sandstone cliff; chiseled square-----	705. 25
Shelby station, 220 feet east of, south of main track, northeast corner of water tank, top of concrete foundation on east side of tender spout; chiseled square-----	703. 07
Shelby station, 0.60 mile northwest of, 475 feet west of junction of Baltimore & Ohio and Chesapeake & Ohio railroads, east stone abutment in top of south end of parapet wall of Chesapeake & Ohio R. R. bridge over mouth of Shelby Creek; bronze tablet stamped 698 (Bull. 554, p. 50)-----	697. 863
From Millard southeast along Chesapeake & Ohio Ry. up Russell Creek Fork of Levisa Fork of Big Sandy River to Elkhorn City (Praise post office).	
The Forks station (Millard post office), 0.69 mile southeast of, 380 feet south of milepost 117, top of east end of concrete culvert under railroad; chiseled square-----	707. 56
The Forks station (Millard post office), 1.80 miles south of, 930 feet south of milepost 118, 80 feet south of house standing on west side of track, 100 feet north of house standing on east side of track, at cattle guard, top west end of concrete culvert under railroad; chiseled square-----	701. 88
Marrowbone (Regina), 1.20 miles northwest of, opposite milepost 119, top of south post of rail stand; copper nail-----	714. 60
Marrowbone (Regina), 0.54 mile northwest of, 465 feet northwest of station, whistling post, at northwest corner of cattle guard; bolt-head painted white-----	715. 03
Marrowbone (Regina), 80 feet north of station, at road crossing, on north side of road, between main track and switch, at foot of telegraph pole, top of stone; chiseled square-----	719. 08
Marrowbone (Regina), 1,000 feet south of, at Chesapeake & Ohio Ry. bridge 1206, over mouth of Marrowbone Creek, south stone abutment, east end of second course of stone; bronze tablet stamped "718 Ky."-----	718. 712
Marrowbone (Regina), 1.05 miles southeast of, top of east end of concrete railroad culvert over Aaron Branch at residence of Monroe Venters, at bend in river and railroad to east; chiseled square-----	726. 10

Marrowbone (Regina), 2.17 miles southeast of, 0.25 mile southeast of milepost 122, opposite and 375 feet south of mouth of road fork, 480 feet south of south house of two houses standing on west side of railroad, 360 feet north of station board and switch (Looney), at west end of concrete culvert under railroad; bronze tablet stamped "729 Ky."-----	Feet. 728. 865
Pond Creek, 160 feet south of station platform and post office, west side of track, top north end second course of stone of railroad culvert over Pond Creek and highway; chiseled square-----	732. 53
Pond Creek station, 0.86 mile southeast of, west end of top course of stone of north end of stone railroad culvert over Jessie Branch; chiseled square-----	740. 33
Belcher station, 70 feet north of station board and platform, on east side of track, in base of telegraph pole; railroad spike-----	754. 81
Belcher station, 450 feet south of, at top of west end of concrete culvert under railroad; bronze tablet stamped "756 Ky."-----	756. 065
Belcher station, 0.83 mile south of, at milepost 126, at west end of concrete culvert under railroad; top of chiseled square-----	760. 99
Belcher station, 1.60 miles south of, 150 feet south of houses on each side of railroad, top west end of stone culvert over Little Branch; chiseled square-----	769. 50
Elkhorn City (Praise post office), 0.60 mile north of, Chesapeake & Ohio Ry. stone culvert over mouth of Moore Creek, on north side of track, top west end of top course of stone; chiseled square-----	775. 14
Elkhorn City (Praise post office), on top of west end of south concrete abutment of approach to Chesapeake & Ohio Ry. bridge over Russell Fork; aluminum tablet stamped "792 Ky."-----	792. 299
NOTE.—This tablet was raised 1,598 feet when transferred to the approach by W. Johns, Apr. 17, 1915, Chesapeake & Ohio Ry., and value reduced 0.271 by readjustment October, 1915, making total correction locally to this bench mark +1.327 feet to Bull. 554.	
From Elkhorn City southwest 1.7 miles up Elkhorn Creek, recovering and correcting elevations on a former line published in Bull. 554.	
Elkhorn City (Praise post office), 100 feet west of railroad station, Carolina, Clinchfield & Ohio Ry., in root in base of walnut tree; copper nail marked "794.18" (Bull. 554, p. 47, value, 794.940; discarded)-----	794. 69
Elkhorn City (Praise post office), 1.70 miles west of, 100 feet south of large branch from right, 4 feet above creek bed, on rock ledge; chiseled square marked "810" (Bull. 554, p. 47, value, 809.90, discarded)-----	809. 68
From Elkhorn City southeast along Carolina, Clinchfield & Ohio R. R. to Kentucky-Virginia boundary line.	
Elkhorn City (Praise post office), 0.55 mile southeast of, 45 feet south of milepost 1, 25 feet north of road crossing, 160 feet south of water tank, on west leg of Y track, west side of main track, top south concrete post of rail stand; chiseled square-----	838. 05
Elkhorn City (Praise post office), 1.56 miles southeast of, 60 feet northwest of milepost 2, at top of south end of concrete culvert under railroad; chiseled square-----	908. 49

Elkhorn City (Praise post office), 2.09 miles southeast of, at east end of Pool Point Tunnel, at steel railroad bridge over Russell Fork, in top of north end of east concrete abutment; bronze tablet stamped "940 Ky."-----	Feet. 940.750
Elkhorn City (Praise post office), 2.59 miles southeast of, opposite and about 0.15 mile north of mouth of Grassy Creek, front of house standing on west side of railroad, top south post of concrete rail stand, at milepost 3; chiseled square-----	963.29
Mouthcard, 0.8 mile north of, opposite and about 0.20 mile above mouth of Little Card Creek, 125 feet north of Horse Narrows Branch from east, east bank of Levisa Fork, west side of road at ford, in root on east side of 4-foot elm tree; copper nail-----	813.95
Mouthcard, about 0.15 mile south of mouth of Big Card Creek, steel highway bridge over Levisa Fork, north end of concrete abutment of east approach of; bronze tablet stamped "841 Ky."-----	841.314

Leveling by C. W. Arnold in 1912; reprinted from Bull. 554, p. 47, with corrections.

From Praise (Elkhorn City) southwest along highway to Ore Knob.

Praise, in west end of south abutment of railroad bridge over Russell Fork; aluminum tablet stamped "792, 1912"-----	792.299
Praise, 3.2 miles west of, north of Elkhorn Creek, 5 feet above water; chiseled square on rock ledge, marked "B. M. 879"-----	878.59
Praise, 4.2 miles west of, 500 feet west of house at mill dam, north of road, in large boulder; aluminum tablet stamped "936, 1912"-----	935.280
Praise, 5.2 miles west of, 100 feet south of house south of road; top point of large boulder, marked "B. M. 966"-----	965.02
Praise, 6.4 miles west of, north of road; chiseled square on large boulder, marked "B. M. 1036"-----	1,035.64
Ashcamp, 150 feet east of, north of road, in large boulder; aluminum tablet stamped "1084, 1912"-----	1,083.583
Ashcamp, 1.9 miles west of, 3 feet south of road; chiseled square on large boulder, marked "B. M. 1109"-----	1,108.82
Ashcamp, 3.1 miles west of, 50 feet west of mouth of Sycamore Branch; nail in root of large birch tree, marked "B. M. 1151"-----	1,150.66

SHAWNEETOWN QUADRANGLE.¹

[Latitude 37° 30'–37° 45'; longitude 88°–88° 15'.]

Primary leveling in 1913 by U. S. Corps of Engineers.

Along Ohio River.

Uniontown, 11 miles below, on property of William Waller, 30 feet back of top of high bank, 7½ feet land side of public road, 1,400 feet above U. S. light 135 at Raleigh; 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base-line station 89=b. m. 25):	
Top of cap-----	353.74
Top of bolt-----	350.71

¹ For additional elevations, see Bull. 554, pp. 24, 112, 156, 158; for elevations in Illinois in this quadrangle, see Bull. 553, pp. 16–18, 92, 100; also Bull. 672.

Uniontown, 12 miles below, on property of Mr. Uhler, 200 feet back of top of high bank, 30 feet from center line of road; 2-inch galvanized iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base-line station 97=b. m. 27) :	Feet.
Top of cap-----	354.95
Top of bolt-----	351.92
Shawneetown, Ill., 1.5 miles above, on property of Burbank sisters, 400 feet from top of high bank, in cultivation on edge of farm road, 8 feet above fence; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base-line station 105=b. m. 29) :	
Top of cap-----	352.83
Top of bolt-----	349.80
Shawneetown, opposite, in Blackburn, 400 feet back of top of high bank, 500 feet above ferry landing, 4 feet below fence line, 30 feet above center line of public road, 50 feet on the land side of another public road, at Lambert's store; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base-line station 111=b. m. 31) :	
Top of cap-----	350.71
Top of bolt-----	347.69
Raleigh, 10 miles below Uniontown, on property of W. F. Cissel, 15 feet upstream from Cissel's store, 75 feet from top of high bank, 2 feet upstream from fence line that connects with Cissel's store; regulation iron pipe 4 inches by 4 feet, mounted on a concrete base 18 by 18 by 4 inches (U. S. C. E. b. m. 3) :	
Top of cap-----	355.07
Top of bolt-----	350.99

SMITHLAND QUADRANGLE.¹

[Latitude 37°-37° 15'; longitude 88° 15'-88° 30'.]

Leveling in 1916 by F. L. Whaley.

From Salem west along highways to Bayou Landing. (Parts of line; see also Golconda quadrangle.)

Burna, 0.6 mile east of, at east end of water gap across Bayou Creek at crossing, opposite junction of T road north, in root of oak tree; copper nail marked "U. S. G. S. Ky. B. M. 532.4"-----	532.35
Burna, at southeast corner of T road south, 200 feet north of store, 6 feet west of pump, in top of large sandstone rock, in top of wall around pump; chiseled square marked "556.8"-----	556.80
Burna, 0.6 mile southwest of, east side of road at T road west; iron post stamped "Prim. Trav. Sta. No. 5, 1915 562"-----	561.994
Burna, 1.6 miles west of, in front of J. D. Peose's residence, in root of cottonwood tree 14 inches in diameter, north side of road; copper nail marked "U. S. G. S. Ky. B. M. 567.5"-----	567.52
Burna, 2.6 miles west of, 5.4 miles east of Bayou, 200 feet west of Mizell schoolhouse on top of high ridge, south side of road 160 feet west of road forks, top of yellow sandstone ledge outcrop; bronze tablet stamped "587 1916 Ky."-----	586.849

¹ For additional elevations, see Bull. 554, pp. 161-163; for elevations in Illinois in this quadrangle, see Bull. 672.

Burna, 3 miles west of, 5 miles east of Bayou, 200 feet west of Mr. Hiram Pointdexter's residence, 100 feet east of junction of cross-roads, in root of large elm tree 30 inches in diameter; copper nail marked "U. S. G. S. Ky. B. M. 445.4"-----	Feet. 445.36
Bayou, 3.9 miles east of, east of Guy Mahon's residence, in root of oak tree, south side of road, at big curve in timber, 50 feet east of old rail fence corner; copper nail marked "U. S. G. S. Ky. B. M. 507.5"-----	507.46
Bayou, 0.7 mile east of, west side of road forks (one road down Ohio River, the other road east up High Hill), at foot of hill, in top of large blue limestone rock; chiseled square marked "372.3"-----	372.32
Bayou, 100 feet west of post office, at cross-roads, southwest corner; iron post stamped "343 1916 Ky."-----	342.851
Bayou Landing, below, on top bank, 200 feet above Government light on left bank, near lower edge of ravine, 14.04 feet 69° 30' to 6-inch thorn tree, 87.30 feet 81° 09' 20'' to northeast corner of stone chimney, 49.60 feet 113° 07' to nail in 4-inch butternut tree, 23.28 feet 195° 32' to nail in 10-inch locust tree; top of iron post (U. S. C. E. p. b. m. 902)-----	343.366

UNIONTOWN QUADRANGLE.¹

[Latitude 37° 45'-38°; longitude 87° 45'-88°.]

Primary leveling in 1913 by U. S. Corps of Engineers.

Along Ohio River.

Mount Vernon, Ind., 5 miles below, on land of Oscar McAllister, 200 feet back of top of high bank, 25 feet toward river from center line of road, at McAllisters Landing and 1,000 feet above foot of Slim Island; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station):	
Top of cap-----	353.18
Top of bolt-----	350.15
Mount Vernon, Ind., 6 miles below, in cultivation, 400 feet back of top of high bank, between two secondary roads leading to river, at bend in road and 3 feet downstream from fence leading to river; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 7):	
Top of cap-----	354.47
Top of bolt-----	351.44
Mount Vernon, Ind., 7.5 miles below, on left bank of Ohio River; concrete post with copper bolt in center, marked "U. S. B. M." (U. S. C. E. base line station 9) (b. m. 9 equals center line left base b. m. dam site 49), top of bolt-----	345.20
Mount Vernon, Ind., 8.5 miles below, about 100 feet back of top of high bank, 5 feet below center line of private road in cultivation, directly back from Wilsons Landing, 600 feet above U. S. light 143; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 11):	
Top of cap-----	356.53
Top of bolt-----	353.50

¹ For additional elevations, see Bull. 554, pp. 110, 156-158.

Mount Vernon, Ind., 10 miles below, in cultivated field, 10 feet toward land side of center line of road, 175 feet from top of high bank, 150 feet above bend in road, 600 feet below small shack on river bank; a 2-inch iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 13) :	Feet.
Top of cap.....	355. 24
Top of bolt.....	352. 21
Uniontown, on left bank of Ohio River, on top of high bank on Hice estate, 3 feet downstream from the property line of Dr. Sugg, 200 feet toward the river from Second Street, 150 feet upstream from Mill Street and 200 feet from river; a 4-foot by 4-inch iron pipe set on an 18 by 18 by 4 inch concrete slab on left bank of Ohio River (U. S. C. E. base line station 15=level b. m. 2) :	
Top of cap.....	359. 576
Top of bolt.....	355. 516
Uniontown, 2 miles below, 14 miles below Mount Vernon, Ind., on property of S. T. Elder, 30 feet toward the river from center line of a public road, 15 feet toward river from a fence line, 14 feet downstream from a fence line, 10 feet upstream from the center line of a private road, leading to a large brick house; a 2-inch galvanized-iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 61=b. m. 17) :	
Top of cap.....	361. 16
Top of bolt.....	358. 14
Uniontown, 3.5 miles below, on property of Harry Slack, 550 feet back of top of high bank, 18 feet below fence line, 10 feet toward river from the center line of a farm road, 30 feet toward river from a fence (U. S. C. E. base line station 67=b. m. 19) :	
Top of cap.....	355. 35
Top of bolt.....	352. 33
Henderson, 16 miles below, on property of H. J. Mackvoy, 150 feet from the top of high bank, near large walnut tree in yard; a 2-inch galvanized iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 201) :	
Top of cap.....	367. 72
Top of bolt.....	364. 80
Henderson, 18 miles below, on property of J. C. Cheatham, 100 feet from top of high bank, 6 feet below property-line fence, near large elm tree, opposite towhead; a 2-inch galvanized iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 207) :	
Top of cap.....	362. 35
Top of bolt.....	359. 32
Henderson, 20 miles below, on property of A. G. Crutchfield, near fence, 1,200 feet from the top of high bank, 7 miles below West Franklin, Ind., a 2-inch galvanized iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 213) :	
Top of cap.....	364. 16
Top of bolt.....	361. 13

Henderson, 21 miles below, on property of J. W. Haynes, 50 feet up- stream from center of road leading back from top of high bank, 1,150 feet from top of high bank, 8 miles below West Franklin, Ind., a 2-inch galvanized iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 215) :		Feet.
Top of cap.....		360. 31
Top of bolt.....		357. 29
Henderson, 23 miles below, on property of T. Whitman, 200 feet from top of high bank, in property fence line, 2 feet above fence; a 2-inch galvanized iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 219) :		
Top of cap.....		362. 73
Top of bolt.....		359. 70
Henderson, 25 miles below, opposite Mount Vernon, Ind., on prop- erty of Fred Hagerman, 800 feet from top of high bank; a 2-inch galvanized iron pipe set on a 4 by 4 inch concrete pedestal on left bank of Ohio River (U. S. C. E. base line station 223) :		
Top of cap.....		361. 24
Top of bolt.....		358. 21
Mount Vernon, Ind., 1.75 miles below Mount Vernon, on left bank of Ohio River, on land of R. H. Soaper, 120 feet above farm road, in cultivation and about 1,100 feet back of top of high bank; a 2-inch galvanized iron pipe set on a 4 by 4 inch concrete pedestal (U. S. C. E. base line station 1) :		
Top of cap.....		357. 40
Top of bolt.....		354. 37
Mount Vernon, Ind., 3.5 miles below, 800 feet back of top of bank, in cultivation, on land of Mrs. Bullitt, is directly back of a 2-story frame house and at intersection of farm roads; a 2 inch galva- nized iron pipe set on a 4 by 4 inch pedestal on left bank of Ohio River (U. S. C. E. base line station 3) :		
Top of cap.....		356. 00
Top of bolt.....		352. 98
New York Landing, 200 feet above, 3 miles above Mount Vernon, Ind., in picnic grove of large trees, 100 feet from the top of bank, 75 feet from fence; a regulation iron pipe 4 inches by 4 feet, mounted on a concrete base 18 by 18 by 4 inches (U. S. C. E. b. m. 819+) :		
Top of cap.....		361. 24
Top of bolt.....		357. 18
Leveling in 1914 by E. C. Bibbee.		
From point near Smith Mills northwest along highway to point near Mount Vernon, Ind. (The part of this line from point 3.1 miles southeast of Alzey to Mount Vernon is a spur, leveled twice.)		
Smith Mills, 0.64 mile east of, in center of yard in west end of box culvert; copper nail painted.....		437. 24
Smith Mills, at southeast corner of T road south, opposite Smith Mills bank; iron post stamped "413".....		413. 339
Smith Mills, 0.68 mile northwest of, on Smith Mills and Uniontown bottom road, in root of walnut tree on south side of road, opposite T road north; copper nail.....		430. 29

Smith Mills, 2 miles northwest of, on Smith Mills and Uniontown road, in root of elm tree 4 feet in diameter, at foot of large sand hill; copper nail-----	Feet. 378.06
Smith Mills, 2.7 miles northwest of, on east side of small bridge over ditch, in cypress tree; nail head, U. S. D. A. b. m. marked "U. S. B. M. 355.10"-----	355.78
Smith Mills, 3.56 miles northwest of, on north side of public road, in root of gum tree; nail head, U. S. D. A. b. m. marked "362.76"----	362.96
Smith Mills, 3.57 miles northwest of, at junction of north end of Klondyke and Smith Mills-Alzey road, on north side of road, 2 feet south of fence; iron post stamped "362"-----	361.913
Alzey, 2.07 miles southeast of, on north side of public road, 100 feet west of Bill Edmondson's residence, in root of oak tree, 17 feet north of center of road; copper nail-----	360.59
Alzey, 1.32 miles southeast of, on east side of public road, in root of water-oak tree 4 feet in diameter (property-line tree); copper nail-----	359.82
Alzey, 0.70 mile east of, at northeast corner of T road south, 6 feet south by 3 feet west from corner fence post; iron post stamped "362"-----	362.564
From point 3.6 miles northwest of Smith Mills southwest along highway to Uniontown.	
Smith Mills, 4.05 miles northwest of, on west side of Klondyke road, in root of 2-foot hickory tree on property line; copper nail-----	359.38
Smith Mills, 5.11 miles northwest of, at junction of west end of Klondyke road with Uniontown and Alzey road, in root of walnut tree 2 feet in diameter in center of road; copper nail-----	360.39
Smith Mills, 6.47 miles northwest of, 8.68 miles east of Uniontown, on Uniontown-Alzey road, at southeast corner of T road east, 200 feet south of old barn and house; iron post stamped "355 Ky."----	355.432
Uniontown, 7.61 miles northeast of, on north side of road opposite residence of Will Powell, in root of oak tree; nail head marked "U. S. D. A. b. m. 350.890"-----	351.07
Uniontown, 6.49 miles northeast of, on limestone post 15 inches square, county-line post between Henderson and Union counties; chiseled square marked "U. S. D. A. b. m. 354.85"-----	354.83
Uniontown, 5.19 miles northeast of, in northeast corner of small bridge, over slough; copper nail-----	345.40
Uniontown, 4.29 miles northeast of, at southeast corner of T road east, 300 feet east of Ohio River bank; iron post stamped "352"----	352.319
Uniontown, 3.67 miles northeast of, at Wilson's landing, in root of honey-locust tree, U. S. Lighthouse station 143; copper nail-----	352.64
Uniontown, 2.54 miles northeast of, on bank of Ohio River, at northwest corner of Ed Pike's house, in top of piling; copper nail-----	355.75
U. S. D. A. b. m. 349.71 (not described)-----	349.86
Uniontown, north end, on south abutment west side of bridge over Highland Creek; chiseled square-----	346.30
Ohio River; elevation of water, May 1, 1914-----	339.6
Uniontown, 100 feet southwest from the south corner of Sopher Tobacco Factory, 3.9 feet east of black-oak tree; copper nail-----	359.98
Uniontown, 400 feet above landing on bank; top of cap of iron post stamped "Ohio Eng. Dept. River Survey" (stamped by Geological Survey "359.11"). (This is a 4-foot iron pipe, 4 inches diameter resting on an 18 by 18 by 4 inch concrete slab. It is base line station 15, and level b. m. 2. Its unadjusted C. E. value is 359.41).-----	359.576

From Uniontown south to point 3.4 miles north of Morganfield.

Uniontown, 1.06 miles south of, on Illinois Central R. R., on east side of railroad at southwest corner of baggage platform; on driftbolt head; highest point..... Feet.
385. 20

WHITESBURG QUADRANGLE.¹

[Latitude 37°-37° 15'; longitude 82° 45'-83°.]

Leveling in 1915 by S. R. Archer.

From point 4 miles northeast of Poor Fork northeast along highway to old Partridge post office.

Poor Fork, 4.97 miles northeast of, at ford of Poor Fork of Cumberland River, on east side of loop in river to south, at Blair's sawmill, on east bank of Poor Fork, 30 feet north of ford, west side of road, 225 feet south of bend in road at right angle to east, in root on east side of 10-inch sycamore tree; copper nail..... 1, 493. 14

Poor Fork, 5.88 miles northeast of, in bottom of south side of Poor Fork, 350 feet south of river bank, about directly south of point where Harlan-Letcher county line crosses Poor Fork, 400 feet north of mouth of hollow from south, 175 feet south of vacant house owned by Eversole heirs, near gap, south of detached knoll, at root 4 inches underground, on west side of 12-inch apple tree, top of stone; chiseled square..... 1, 525. 05

Poor Fork, 6.23 miles northeast of, front of residence of Jess Eversole (standing at foot of hill on south side of Poor Fork), on south bank of Poor Fork, at south end of footbridge, in root on south side of 3½-foot oak tree; copper nail..... 1, 526. 97

Poor Fork, 6.89 miles northeast of, ford of Poor Fork, about 0.15 mile above mouth of Lewis Creek, 450 feet southwest of road forks, north bank of river, in root on east side of west oak tree 2 feet in diameter at north end of footbridge; copper nail..... 1, 527. 26

Poor Fork, 7.65 miles northeast of, road crossing low spur ridge from north, at first narrows of Poor Fork, 0.71 mile northwest of mouth of Colliers Creek, 175 feet south of Presbyterian Church (standing on north side of road on top of spur ridge), 150 feet east of J. J. Gibbs's residence, 120 feet south of road, top of rock cliff on east side of low spur, top of projecting rock; bronze tablet stamped "1605 Ky."..... 1, 605. 384

Partridge post office, 0.7 mile southwest of, road forks at mouth of Colliers Creek, on Poor Fork of Cumberland River, in center of triangle of roads, in trunk on north side of 3-foot chestnut tree; copper nail..... 1, 559. 64

Partridge post office, 2.2 miles southwest of old location of, on north side of road, southwest corner of platform to Mullin Bros.' store, top of support of stone foundation, at foot of post; chiseled square.. 1, 561. 99

Partridge post office, 0.9 mile east of, 20 feet west of corrugated highway culvert over mouth of Hayes Branch, north side of road, top of sandstone rock projecting out in gutter to road; chiseled square..... 1, 581. 53

Partridge, 1.5 miles east of, road crossing Spring Branch, south side of road, east bank of branch, in root on north side of 3½-foot oak tree; copper nail..... 1, 593. 53

¹ For additional elevations, see Bull. 554, pp. 58-64.

Partridge, 2.2 miles east of, 50 feet west of old location of post office, 140 feet west of road forks, 90 feet west of branch from north, on north side of road, in top of rock outcrop; aluminum tablet stamped "1585 Ky."----- 1,584.723 Feet.

WILLIAMSON QUADRANGLE.¹

[Latitude 37° 30'–37° 45'; longitude 82° 15'–82° 30'.]

Leveling in 1915 by G. W. Lucas and S. R. Archer.

From point near divide between Blackberry and Pond creeks, Ky., north down Pond Creek, Ky., to Williamson, W. Va.

May Fork schoolhouse, 300 feet northwest of, at junction of Ball and May forks of Pond Creek, 25 feet west of road forks, in root of 4-foot sycamore tree; copper nail with washer marked "t. b. m. 895.6"----- 895.37

Peg, 0.66 mile east of, culvert over May Fork on Williamson & Pond Creek R. R.; bolt in concrete pier on south side of track, marked "U. S. 869" (railroad bench mark)----- 868.90

Peg, 1.39 miles northwest of, 250 feet northeast of Smith & May store, 90 feet northeast of railroad crossing, bolt in top of concrete abutment north end of railroad bridge over Pond Creek marked "T. B. M. 844"----- 843.49

Stone, 1.20 miles south of, on southwest stone abutment of railroad bridge over Pond Creek; chiseled circle marked "U. S. 817" (railroad bench mark)----- 816.48

Stone, 150 feet northeast of Williamson & Pond Creek R. R. station; bronze tablet set in west guardrail of small stone culvert, stamped "782-1915"----- 781.702

Stone, 0.78 mile northeast of, opposite junction of Colburn Branch and Pond Creek, at point of curve on Williamson & Pond Creek R. R., 4 feet south of track; top of railroad-iron post (t. b. m. 758)----- 757.53

Stone, 1.46 miles northeast of, 75 feet northeast of house, 75 feet southeast of house at railroad crossing; chiseled circle on south guardrail of small stone culvert (t. b. m. 734.6) (railroad bench mark)----- 734.39

Sharondale, 100 feet east of Williamson & Pond Creek R. R. station, set in south guardrail of stone culvert; bronze tablet stamped "723-1915"----- 723.420

Sharondale, 0.87 mile northeast of, 60 feet north of large store, 30 feet west of railroad crossing, north side of track; bolt set in guardrail of stone culvert (railroad bench mark) (t. b. m. 703)----- 702.77

Sharondale, 1.97 miles northeast of, at point of tangent on Williamson & Pond Creek R. R., 4 feet east of track, top of railroad-iron post (t. b. m. 685)----- 684.95

Toler, set in concrete support of Williamson & Pond Creek R. R. water tank; bronze tablet stamped "679-1915"----- 679.168

Toler, 0.96 mile northeast of, 300 feet north of milepost "W 2," east side of track; top of railroad-iron post (t. b. m. 669)----- 668.27

Williamson, W. Va., opposite Kentucky-West Virginia signpost on Williamson & Pond Creek R. R. bridge over Tug River; top of rail----- 670.2

¹ For elevations in West Virginia in this quadrangle, see Bull. 632, pp. 109, 110.

Williamson, W. Va., at southwest corner of intersection of Fifth Avenue and Harvey Street, in top of stone post; bronze meridian tablet stamped "675" (Bull. 477 value, -0.100 foot)-----	Feet. 674.582
From Nolan, W. Va., southwest along highway up Big Creek and Middle Fork to Varney, thence northwest down Left Fork of Brushy Creek to Jarad and west of Jarad.	
Nolan, W. Va., 2.30 miles northwest of, 130 feet northwest of road crossing, 100 feet west of milepost 480, 70 feet north of deserted house (now destroyed) in sandstone boulder 15 by 10 by 10 feet; aluminum tablet stamped "645" (Bull. 477 value, -0.120 foot)-----	644.657
Nolan, W. Va., 1.30 miles north of, along Norfolk & Western R. R., rail stand opposite milepost "N. 479, C. 228," west side of tracks, in base on track side of center post; railroad spike-----	645.83
Nolan, W. Va., 1,500 feet north of Norfolk & Western R. R. station, in schoolhouse yard, 110 feet west of railroad track, 180 feet south of schoolhouse (on cap of U. S. Army Engineers b. m. post 26, top of letter B)-----	642.240
Nolan, W. Va., Norfolk & Western R. R. station, southbound track in front of freight-house door; top of west rail-----	650.0
Nolan, W. Va., on west bank of Tug Fork, 200 feet north of ferry landing, 100 feet north of house, 22 feet above water, east side of and 12 feet below road, in line with street in Nolan leading to ferry, at telephone line, middle tree of three beech trees 3 feet in diameter, in root on north side; copper nail-----	626.86
Nolan, W. Va., 1.12 miles southwest of, at mouth of Big Canoe Branch on Big Creek, on east bank of Big Creek, west side of road, 40 feet north of branch, in root on road side of beech tree, 2½ feet in diameter; copper nail-----	621.62
White Post post office, opposite and 150 feet east of, 140 feet west of bend in Big Creek to west, on north side of road, south bank of Big Creek, in root on south side of sycamore tree 6 feet in diameter; copper nail-----	624.68
White Post post office, 0.67 mile southwest of, road forks about one-half mile north of mouth of Bent Branch, 0.12 mile north of bend in (Bent Branch) road and Big Creek to southwest, 75 feet northwest of small house standing on north side of road, in point between roads, in root on northeast side of maple tree 2½ feet in diameter; copper nail-----	628.36
White Post post office, 1.32 miles southwest of, 0.14 mile north of mouth of Chaffin Branch, 0.12 mile north of residence of John Stepp, 210 feet south of small branch from east, at foot of end of low spur from east, on east side of road, in sandstone outcrop; bronze tablet stamped "643 Ky."-----	643.112
Rural post office, one-fourth mile east and 0.96 mile north of, at bend in Big Creek to east 300 feet west of house standing on north side of Big Creek, on east bank of Big Creek, west side of road, in root on south side of west tree of two beech trees 2½ feet in diameter; copper nail-----	639.54
Rural post office, one-fourth mile east and 0.57 mile northeast of road forks at mouth of Burget Branch, center of road forks, in root on north side of sycamore tree 2½ feet in diameter; copper nail-----	642.36

Rural post office, about one-fourth mile east of, at road forks at mouth of Swinge Camp Branch, 75 feet south of forks between roads, in root on east side of Buckeye tree (three-pronged top); copper nail-----	Feet. 651. 02
Rural post office, one-fourth mile east and 0.61 mile south of, opposite mouth of Anson Lowe Branch from southeast, on north bank of Big Creek, south side of road, 120 feet west of old schoolhouse, 15 feet northeast of 3-foot beech tree, top of large sandstone rock projecting from bank over creek; chiseled square-----	651. 80
Rural post office one-fourth mile east and 1.58 miles southwest of, mouth of Long Fork of Big Creek, on east bank of Big Creek, south bank of Long Fork, under small sycamore tree, top of sandstone rock; chiseled square -----	655. 61
Rural post office, one-fourth mile east and 1.73 miles southwest of, 0.15 mile southwest of mouth of Long Fork, 750 feet west of bend in Big Creek to west, opposite and 280 feet west of house standing on south side of Big Creek, opposite and 100 feet east of mouth of branch from south, 150 feet east of bend in Big Creek to northwest on north side of Big Creek inside of fence line, top of large sandstone boulder; bronze tablet stamped "662 Ky."-----	661. 932
Couder post office, 1.40 miles northeast of, at mouth of Ivy Branch, on west side of road, south side of branch, east bank of Big Creek, in root on road side of 10-inch maple tree; copper nail-----	669. 56
Couder post office; 0.96 mile northeast of, at mouth of Half Way Branch, on east side of road, west bank of Big Creek, 50 feet south of branch, in root on road side of 20-inch beech tree; copper nail -----	671. 14
Couder post office, front of, 100 feet north of mouth of Bevins Branch, on east bank of Big Creek, at bend in creek to southwest, in root on creek side of sycamore tree 3 feet in diameter; copper nail-----	672. 30
Couder post office, 0.94 mile southwest of road forks, about one-fourth mile south of mouth of Rockhouse Creek, on west side of Big Creek at road forks, in rock ledge; bronze tablet stamped "681 Ky."-----	680. 812
Couder post office, 2.36 miles southwest of, at mouth of Elkins Fork on Rockhouse Creek, at northwest corner of creek intersection, at southeast corner of Dick Cain's front yard, at fence corner, in root on outside of east picket fence line of sycamore tree 8 inches in diameter, 14 feet high; copper nail-----	701. 78
Couder post office, 2.81 miles southwest of, 100 feet south of road forks, 170 feet north of mouth of Middle Fork, on west bank of Rockhouse Creek, 60 feet north of fence corner, in root on northwest side of willow tree 8 inches in diameter; copper nail-----	715. 08
Couder post office; 3.74 miles southwest of, at mouth of Brushy Hollow on Middle Fork of Rockhouse Creek, on north side of road and creek, 30 feet northeast of mail box, under and 7 feet below 6-inch maple tree, top of sandstone outcrop; chiseled square-----	799. 32
Couder post office, 4.06 miles southwest of, at mouth of Walnut Fork near head of Middle Fork of Rockhouse Creek, 125 feet northeast of mouth of Walnut Fork, 150 feet northeast of Ken Young's store, 100 feet north of his barn, 200 feet east of his residence, 125 feet north of road, inside of field at foot of hill on north bank of Middle Fork, in top of sandstone outcrop, 1½ feet above bed of creek; bronze tablet stamped "839 Ky."-----	839. 352

Varney post office, 0.84 mile east of, at road crossing gap at top of ridge between Middle Fork of Rockhouse Creek and Left Fork of Brushy Creek, trail leading south to house in cove, on south side of road, east side of trail at gap, in root on north side of hickory tree 20 inches in diameter; copper nail.....	Feet. 1, 145. 62
Varney post office, 0.18 mile south of, at road forks at Jim Harris's store, road to east leads to Middle Fork of Rockhouse Creek, road to south leads to head of Left Fork of Brushy Creek, on north side of road, in root on northwest side of sycamore tree 2 feet in diameter; copper nail.....	905. 04
Varney post office, 0.78 mile northwest of, at mouth of Hurricane Fork on Left Fork of Brushy Creek, in line with and 20 feet east of rear end of schoolhouse, at west side and 10 feet below road, in top of sandstone outcrop; bronze tablet stamped "857 Ky".....	857. 427
Varney post office, 1.86 miles northwest of, 70 feet west of point of road, 400 feet west of point in road above residence of Jim Cain (standing in bottom below road), on north edge and 1½ feet above road, top sandstone outcrop; chiseled square.....	859. 13
Varney post office, 2.70 miles northwest of, at third-class road to east at mouth of Road Fork Branch, 90 feet south of road forks, on south side of road (at bend in road to west), on north edge of branch, in root on north side of Hornbeam (water beech) tree, 8 inches in diameter; copper nail.....	786. 57
Varney post office, 3.34 miles northwest of, 250 feet west and 100 feet north of mouth of Ginns Fork from south, at bend in road to west, about 400 feet north of residence owned by the Davis heirs, at point where saddle trail leading to mouth of branch leaves road, on south edge of road at bend, in root on northeast side of oak tree 3 feet in diameter; copper nail.....	818. 87
Jarad post office, 0.66 mile east of, road crossing small drain from north, in front and 60 feet west of residence of John Curry (standing on south side of road), north side of road, west bank of drain, in root on southwest side of sweet gum tree 1½ feet in diameter; copper nail.....	773. 40
Jarad post office, on opposite side of Brushy Creek and 85 feet north of, about 0.30 mile north of forks of Brushy Creek, east bank of Brushy Creek, west side of road, at point where road leading to Scott's store leaves main road, in top of large sandstone rock; bronze tablet stamped "732 Ky.".....	731. 665
Jarad post office, 0.83 mile northwest of, at road crossing mouth of Big or Maynard Branch, 75 feet north of branch on east side of road, opposite house owned by Henry Taylor, northwest corner of corn crib, top stone foundation; chiseled square.....	728. 14
Jarad post office, 1.28 miles northwest of, at road crossing Spankum Branch at church, north side of road, east bank of branch, 25 feet southwest of crooked oak tree, 20 feet east of northwest fence corner, at and 1 foot above water's edge, top sandstone rock; chiseled square.....	718. 78
From Joel along highways southeast up John Creek to Deskin post office.	
Joel, 6.37 miles northwest of Meta post office, 175 feet north of road forks at mouth of Scotts Branch, on east bank of Scotts Branch opposite and 50 feet north of barn, on top of sandstone outcrop 4 feet above water; bronze tablet stamped "706 Ky.".....	706. 382

Meta post office, 5.84 miles northwest of, one-half mile southeast of Scotts Branch, about one-fourth mile south of bend in Johns Creek to south, at road crossing small branch from east, east side of road, south edge of branch, in root on south side of willow tree 8 inches in diameter; copper nail-----	Feet. 716. 23
Meta post office, 4.50 miles northwest of, at mouth of Horse Ford Branch from east, at east end of loop in Johns Creek to northeast, 150 feet west of road, in rear of house, east bank of Johns Creek on south side of branch at mouth, in root on east side of sycamore stump 2 feet in diameter; copper nail-----	711. 73
Meta post office, 3.72 miles northwest of, at road forks opposite mouth of Mikes Branch, on north bank of Johns Creek south side of road east side of road leading to ford, in root on northwest side of hollow sycamore stump 3 feet in diameter; copper nail-----	716. 27
Meta post office, 3.04 miles northwest of, at road crossing mouth of Price Branch, at private road south leading to house at mouth of Coon Creek, 70 feet south of Sidney Taylor's residence at bend in main road to northeast, in center of branch on west side of road, rock wall (laid rough), near center of and 1 foot below road, top of stone; chiseled square-----	740. 45
Meta post office, 2 miles west of, about three-fourths mile east of mouth of Coon Creek, 300 feet west of mouth of Ford Branch, 350 feet south of road forks, north concrete abutment, top west end of steel highway bridge over Johns Creek; bronze tablet stamped "734 Ky."-----	733. 927
Meta post office, 1 mile southwest of, at road forks at water mill, road south leading up Johns Creek, crossing low spur ridge 150 feet south of road forks, north side of spur, south side of Johns Creek, 75 feet north of mill, on east side of south road, on west bank of race leading from mill, in root on north side of sycamore tree 2 feet in diameter; copper nail-----	725. 91
Meta post office, 1 mile west by 0.81 mile south of, 130 feet east of point where road crosses low spur ridge from east, opposite and 95 feet above mouth of small drain from south, on north edge of road at foot and near west end of stone outcrop, top projection 1 foot above road; chiseled square-----	836. 06
Meta post office, 1 mile west and 1.48 miles south of, 150 feet east of mouth of small branch from north owned by Patten Blackburn, 600 feet west of bend in Johns Creek to south, south edge of road, north bank of Johns Creek, in root on north side of beech tree 3 feet in diameter; copper nail-----	759. 15
Meta post office, 1 mile west thence 2 miles southeast of, at mouth of Bevins Branch (old map Blerin Creek), 40 feet north of branch, 40 feet east of road, about 100 feet northwest of house in mouth of branch, 32 feet above branch, at end of spur ridge from north, in roots southeast side of oak tree 2½ feet in diameter, top of sandstone rock; bronze tablet stamped "797 Ky."-----	797. 047
Meta post office, 1 mile west thence 2.70 miles southeast of, 25 feet east of northeast corner of schoolhouse, 15 feet west of coal shed, on south edge of road, in top sandstone rock; chiseled square-----	772. 85

Meta post office, 1 mile west thence 3.32 miles southeast of, at mouth of small branch from northeast, 0.38 mile northwest of mouth of Deskin Branch, 50 feet west of branch, on south side of road front of house standing in mouth of branch, at junction of rail and picket fence, in root on road side of walnut tree 14 inches in diameter; copper nail.....	Feet. 797.05
Deskin post office, 3.46 miles northwest of, at road forks, about 400 feet east of mouth of Deskin Branch, on east side of and between roads at foot of spur ridge from east, top south end of sandstone outcrop 5 feet above branch; chiseled square.....	789.24
Deskin post office, 2.50 miles northwest of, one-half mile northwest of road forks at mouth of Lawson Branch, at mouth of Richardson Branch 130 feet south of point where road crosses branch, 120 feet northeast of Mrs. Johnson's residence, 20 feet above and on east bank of branch, in top of projection of exposed rock ledge; bronze tablet stamped "827 Ky.".....	827.135
Deskin post office, 2 miles northwest of road forks at mouth of Lawson Branch, at end of spur ridge from northeast, opposite mouth of small branch from south, about 500 feet east of mouth of Lawson Branch, south side of road to northwest, in root on south side of buckeye tree 2 feet in diameter; copper nail.....	795.36
Deskin post office, 0.78 mile north of, at mouth of Jonathan (upper Bent) Creek from northeast, north bank of Johns Creek, west bank of branch, inside of fence line, 15 feet east of gate leading to Jonathan Gannon's residence, in root on south side of walnut tree 2 feet in diameter; copper nail.....	808.15
Deskin post office, 700 feet north of, 250 feet north of mouth of Meathouse Creek, 100 feet south of bend in Johns Creek to west, on east bank of Johns Creek, at foot of hill, under buckeye tree 18 inches in diameter, top projection of sandstone rock; bronze tablet stamped "817 Ky.".....	816.795

Near Deskin.

Deskin post office, 1.93 miles southeast of, 160 feet north of mouth of spring of Varney Branch from east, on east bank of Johns Creek at bend in Johns Creek to northwest, at foot of south end of sandstone cliff, top projecting rock; chiseled square.....	858.28
Deskin post office, 0.57 mile southeast of, 75 feet north of road forks at mouth of Stinking Creek, front of residence of Mary Runyon, west side of road and Johns Creek, in trunk on east side of sycamore tree 1 foot in diameter; copper nail.....	830.40
Deskin post office, 700 feet north of, 250 feet north of mouth of Meathouse Creek, 100 feet south of bend in Johns Creek to west, on east bank of Johns Creek, at foot of hill, under buckeye tree 18 inches in diameter, top projection of sandstone rock; bronze tablet stamped "817 Ky.".....	816.795

From Deskin along highways east up Meathouse Creek and north down Meathouse Fork and Big Creek to point near Couder.

Deskin post office, 1 mile east of, mouth of Callahan Branch on Meathouse Creek, northwest corner of creek intersection, in root on south side of sycamore tree 3 feet in diameter; copper nail.....	859.24
--	--------

	Feet.
Deskin post office, 1.90 miles east of, on Meathouse Creek, in mouth of Trap Fork, in root on east side of walnut tree 2 feet in diameter; copper nail-----	916. 23
Deskin post office, 3 miles east of, 700 feet west of mouth of Rockhouse Fork of Meathouse Creek, 400 feet east of house standing on north side of road and creek, on south side of road and Meathouse Creek, 20 feet south of south fence line, 40 feet south of creek, top large sandstone rock; bronze tablet stamped "1021 Ky."-----	1, 020. 897
Deskin post office, 3.13 miles east and 0.70 mile north of, south foot of hill between Rockhouse Fork of Meathouse Creek and Meathouse Fork of Big Creek, on south side of road 200 feet northeast of junction of three forks of creek, at foot of steep bank on north bank of drain to east, in root on north side of maple tree 2 feet in diameter; 40-penny spike-----	1, 199. 34
Canada post office, 4.50 miles southeast of, top gap between Meathouse Fork of Big Creek and Rockhouse Fork of Meathouse Creek of Johns Creek, 30 feet north and 35 feet west of center of road at top of gap, in root on east side of lin (basswood) tree 18 inches in diameter; two 40-penny spikes-----	1, 616. 50
Canada post office, 3.92 miles southeast of, foot of north side of hill between Meathouse Fork of Big Creek and Rockhouse Fork of Meathouse Creek of Johns Creek, 70 feet north of bend in road to east, 100 feet north of old stable, east bank of Meathouse Fork, west side of road, in root on road side of beech tree 15 inches in diameter; 40-penny spike-----	1, 219. 86
Canada post office, 2.98 miles south of, 0.37 mile southeast of Benton Branch, 200 feet north of mouth of Daniel Fork (a small branch from east), 400 feet north of residence of B. S. Smith, 375 feet south of Fred Smith's residence, on south side of road and Meathouse Fork, 6 feet above road under beech tree 20 inches in diameter, in face of rock outcrop; bronze tablet stamped "1028 Ky."---	1, 028. 133
Canada post office, 2.61 miles south of, at mouth of Benton Branch, northwest corner of creek intersections, on west bank of Meathouse Fork at water's edge, top sandstone rock; chiseled square---	970. 14
Canada post office, 1.70 miles south of, 240 feet north of small branch from west, 80 feet north of old water mill, 60 feet south of one and 100 feet north of the other of two houses standing on west side of creek and road, west bank of Meathouse Fork at fence line, in root on east side of sycamore stump 2 feet in diameter and 14 feet high; 2 fence staples-----	902. 05
Canada post office, 0.32 mile west of, 50 feet southeast of road forks at mouth of Strutton Fork, 110 feet north of church, east side of Meathouse Fork at fence line, in root on road side of locust tree 10 inches in diameter; 2 fence staples-----	814. 75
Canada post office, 250 feet west of, 110 feet west of road forks, 30 feet west of mouth of Meathouse Fork, at foot of spur between Big Creek and Meathouse Fork, under service tree, in projection of rock cliff; bronze tablet stamped "804 Ky."-----	803. 802
Canada post office, 0.85 mile northwest of, 100 feet east of road forks and mouth of Dicks Fork, north side of road, south bank of Big Creek, in root on west side of sycamore tree 2½ feet in diameter; two fence staples -----	772. 01

Canada post office, 1.91 miles northwest of, opposite and 30 feet north-west of line through center of mouth of Road Fork, on east bank of Big Creek, 90 feet southeast of line between property of T. J. Bevin and Lydia Smith, on outside and at foot of fence, sandstone rock 6 by 10 inches by 4 feet, set in ground; top of bronze tablet stamped "745 Ky."-----	Feet. 745. 140
Canada post office, 2.91 miles north of, at mouth of Sookey Branch, west side of road and Big Creek, opposite mouth of branch, in root on creek side of sycamore tree 2½ feet in diameter; copper nail-----	727. 99
Couder post office, 0.94 mile southwest thence 2.17 miles south of, at north side of mouth of branch from east, and on east bank of Big Creek at bend in Big Creek to southwest, in front of residence of Lawyer Stepp similarly located, on under side of road, 5 feet north of sandstone boulder, in root on branch side of second sycamore tree 14 inches in diameter below mouth of branch; copper nail-----	707. 57
Couder post office, 0.94 mile southwest thence 1.20 miles south of, on east bank of Big Creek opposite and 60 feet north of mouth of Sand Lick Branch, in root on creek side of willow tree 10 inches in diameter; copper nail-----	692. 59

On Wolf Creek in northwest corner of quadrangle.

McClure post office, 3.45 miles southwest of, 60 feet south of mouth of Carcass Branch, east bank of Wolf Creek, west side of road, beech tree 2½ feet in diameter, in root on road side; copper nail-----	654. 55
--	---------

INDEX.

A.	Page.
Abbott Creek	71
Ages	16, 56
Alzey	87
Ameron	18
Andy Lick Branch.....	63
Archer, S. R., leveling by... 8, 9, 10, 14, 16, 28, 28, 33, 35, 38, 44, 50, 52, 55, 56, 60, 61, 70, 71, 76, 89	82
Arnold, C. W., leveling by.....	82
Ashcamp	82
Asher	14, 21, 22, 38
Auxier	71

B.	Page.
Baxter.....	15, 18, 19
Bayou	14, 84
Landing	84
Bays quadrangle	8
Beech Fork.....	14, 15, 38
Belcher	81
Bench marks, forms.....	6
plate showing.....	5
Berry Branch.....	62
Bevins Branch of Johns Creek.....	25, 93
Bibbee, E. C., leveling by.....	32, 52, 86
Big Branch (Licking River).....	74
Big Creek (Levisa Fork), Second Fork of.....	34, 35
(Red Bird River).....	40
(Tug Fork).....	90, 91, 96
Big Sandy & Cumberland R. R.....	33, 50
Big Sandy & Kentucky River Ry.....	61, 72
Bigstone Gap quadrangle.....	9
Blackberry Creek.....	51
Blacklog Fork	48
Blair	61
Bledsoe	14, 15
Blue River	73
Bouanza	71, 72
Brandy Keg	26
Breedens Creek	58
Brushy Fork (Johns Creek).....	28, 92
Left Fork of.....	92
(Licking River), Left Fork of... 73	73
Buck Creek.....	12
Buckeye Creek, Va.....	35
Buckeye Fork.....	73
Buckhorn quadrangle.....	10
Bull Creek (Levisa Fork).....	26
(Middle Fork).....	40, 41
Burg	65
Burna	83, 84

C.	Page.
Calloway	70
Canada	95, 96
Carolina, Clinchfield & Ohio R. R.....	81
Cawood	17, 58, 59
Chad	56
Chandlerville	67
Cheatham, J. C., land.....	85
Chesapeake & Ohio Ry.....	23, 26, 61, 78, 80
Childs Creek.....	58
Clay Lick Creek.....	49
Cliff	71
Clifford	47, 48, 50
Clover Fork	57, 58
Coal Run.....	23
Coldwater Fork.....	48, 49
Old Road Fork of.....	49
Coleman	33, 34
Confluence.....	10, 35
Coon Creek.....	41, 42, 44
Cooperation by Kentucky.....	5
Corrections to Bulletin 554.....	5-6
Corydon	33
Couder	91, 96
Coxton	16
Crank Creek.....	59
Crooked Creek.....	11
Crummie Creek	59
Crutchfield, A. G., land.....	85
Cutshin Creek	43, 44
Cypress Creek	54

D.	Page.
Daniel Creek, right fork of.....	44
Davella	45, 46
Davisville	66, 67
Deer Creek.....	11
Delong	45
Denver	61
Deskin	29, 76, 77, 94, 95
Dewey	26, 27
Dicks Creek	25
Dillon	55, 60
Dingus quadrangle	10
Dione	56
Dry Hill	35, 36, 40, 41, 42, 43

E.	Page.
East Point	71
Eden	27, 28, 46, 47, 48, 49
Edgar	25, 26
Elkhorn City	81, 82

	Page.		Page.
Elna	63	Joe Branch	47
Emerling	18	Joel	92
Evansville, Ind	30, 31	John	23, 24, 29
Everts	57	Johns Creek	24,
		25, 26, 27, 29, 76, 77, 93, 94	
F.		Joy	12, 13
Fish Trap	79		
Fords Ferry quadrangle	10-12	K.	
Forks, The	80	Keaton	69
Frank Creek	66, 68	Kentucky River, Middle Fork of	35,
Freeburn, W. Va	51	36, 37, 38, 41, 42	
Fuget	62	Kermit, W. Va	52, 53
		Kerz	68
G.		Kildav	57
Gatun	15, 16	Klondike	9, 57, 58
Geneva	32, 33	Kuttawa quadrangle	49-50
German	25		
Gilberts Creek, Road Fork Branch of	39	L.	
Ginseng Branch	19, 22	Layman	18
Golconda quadrangle	12-14	Leveling, primary, standard for	6
Goodloe	73, 74	Levisa Fork of Big Sandy River	72,
Grays Knob	17	77, 78, 79, 80, 82	
Greasy Creek	22, 59, 60	Licking River	8, 74
Green River	54	Little Paint Creek	63, 65
Gulletts Branch	64	Mine Fork of	63
Gulnare	24	Lone Elk Creek	50
Gun Creek	8	Long Fork of Jenny Creek	72
Left Fork of	75	Long Fork of Johns Creek	77
		Looney	81
H.		Lost Creek, W. Va	50
Hagerman, Fred, land	86	Louisa quadrangle	50
Halls Fork of Big Creek	40	Louisville & Nashville R. R.	9,
Harges Creek	64	15, 16, 18, 19, 55, 56	
Harlan	15, 16, 17	Lower Laurel Creek	66
quadrangle	14-22	Lowmansville	67
Harold quadrangle	23-29	Lucas, George W., leveling by	10,
Harris, E. E., leveling by	33, 50	50, 61, 71, 89	
Haynes, J. W., land	86		
Helton	14	M.	
Henderson	31, 32, 85	McCarr, W. Va	50, 51
ferry	30	McClure	28, 29, 53, 54, 96
quadrangle	30-33	McComb	24
Hood Fork of Blaine Creek	66, 68	Mackintosh Creek	43
Hoskinson	37, 39	Mackvoy, H. J., land	85
Howard Branch	74	Malecky Branch	50
Hulen	19, 20, 70	Maps, topographic	7-8
Hurley quadrangle	33-35	Marlon	11
Hurricane Creek	50	Marrowbone	80, 81
Hyden	36, 37, 39, 40, 41, 42, 44	Martha	65, 69
quadrangle	35-44	Martin County courthouse	46
		Martin Fork	17
I.		Matewan quadrangle	50-52
Illinois Central R. R.	88	May Fork of Pond Creek	89
Inez	27, 28, 46, 47, 48, 49	Maynard, B., house	29
quadrangle	44-49	Meathouse Creek	94, 95
Ivyton	72, 75	Meta	92, 93, 94
		Mexico	11, 49
J.		Middle Creek	72
Jackson Mill Branch	20	Left Fork of	72, 73
Jarad	92	Middle Elk Creek	33
Jenny Creek	61, 76	Mill Branch	57
Job	47	Millard	79, 80
		Mizell School	83
		Moore Hill	11

	Page.
Morganfield -----	52
quadrangle -----	52
Mount Vernon, Ind.-----	84, 85, 86
Mouthcard -----	35, 82

N.

Napier -----	22, 42
Naugatuck quadrangle -----	52-54
Nero -----	27, 60
New Haven quadrangle -----	55
New York Landing -----	86
Newburg, Ind.-----	54
Newburg quadrangle -----	54
Nigh -----	34, 77, 78
Nolan, W. Va.-----	90
Nolansburg -----	55, 56
quadrangle -----	55-60
Norfolk & Western R. R.-----	90
Nubert -----	16

O.

Oak Grove School (Fords Ferry quad- rangle) -----	11
(Golconda quadrangle) -----	12
Odds -----	28, 44, 45
Ohio River -----	12, 87
Oil Springs -----	64, 65
Ophir -----	10, 69, 70
Ordway -----	74
Owensboro -----	30, 31

P.

Paint Creek -----	60, 61, 62, 63
Paintsville -----	61
quadrangle -----	60-70
Partridge -----	88, 89
Paw Paw -----	33
Peg -----	89
Penley Branch -----	56
Personnel -----	5
Peter Creek -----	51, 52
Phelps -----	33, 51, 52
Pilgrim -----	53
Pine Mountain -----	15, 16, 20, 59, 60
Pineville quadrangle -----	70
Pocket -----	58
Pond Creek -----	81
Poor Fork -----	9, 56, 88
Praise -----	81, 82
Prestonsburg -----	71, 72, 73
quadrangle -----	71-76
Publication, previous -----	5
Puckett Creek -----	70
Puncheon Camp Creek -----	75

R.

Raleigh -----	82, 83
Ransom -----	51
Regina -----	80, 81
quadrangle -----	76-82
Relief -----	69

	Page.
Rhea -----	16, 55
Riceville -----	61, 65, 72, 76
Richardson Branch of Johns Creek -----	94
Road Fork of Right Fork of Peter Creek -----	34
Rockcastle Creek -----	47, 48
Middle Fork of -----	45, 46
Rockhouse Creek (Big Creek) -----	91
Middle Fork of -----	91
(Blackberry Creek) -----	51
Rockhouse Fork of Hood Fork -----	66, 67
of Rockcastle Creek -----	46
Rural -----	90, 91
Russell Fork of Levisa Fork of Big Sandy River -----	82

S.

Salem -----	12, 13, 49, 50
Scott Branch of Brushy Fork -----	29
Scotts Branch of Johns Creek -----	92, 93
Sea level, mean -----	6-7
Sharondale -----	89
Shawneetown, Ill.-----	83
Shawneetown quadrangle -----	82-83
Shelby -----	80
Cove -----	50
Sheridan -----	10, 11, 13
Simers -----	34, 35, 76, 77
Sitka -----	68
Smith Mills -----	33, 86, 87
Smithland quadrangle -----	83-84
Staffordsville -----	61, 62, 67, 68
State Road Fork of Middle Creek -----	71
Stinnett Creek -----	39
Stone -----	89
Swampton -----	8, 75

T.

Thomas -----	24, 25, 27, 28, 29
Toler -----	89
Tug Fork, W. Va.-----	50, 51

U.

Uniontown -----	52, 55, 82, 83, 85, 87, 88
quadrangle -----	84-88
United States Corps of Engineers, leveling by -----	30, 54, 55, 82, 84
Upper Elk Creek -----	33
Upper Laurel Creek -----	65
Upper Pompey Creek -----	79

V.

Varney -----	92
Vulcan, W. Va.-----	51

W.

Wallins -----	18, 19, 20, 21
Ward -----	80
Whaley, F. L., leveling by -----	10, 12, 49, 83
White Oak Creek -----	22, 42
White Post -----	90

	Page.		Page.
Whitesburg quadrangle.....	88-89	Wireman	74, 75
Whitman, T., land.....	86	Wolf Creek.....	27, 28, 29, 53, 54, 96
Wilhoit	18	Wood	16
Williamson, W. Va.....	89, 90	Woodman	50
Williamson quadrangle.....	89-96	Wooten	43, 44
Williamson & Pond Creek R. R.....	89		
Win	63, 64	Y.	
Winfred.....	65, 66, 68	Yorkville, W. Va.....	50

ADDITIONAL COPIES
OF THIS PUBLICATION MAY BE PROCURED FROM
THE SUPERINTENDENT OF DOCUMENTS
GOVERNMENT PRINTING OFFICE
WASHINGTON, D. C.
AT
15 CENTS PER COPY

▽