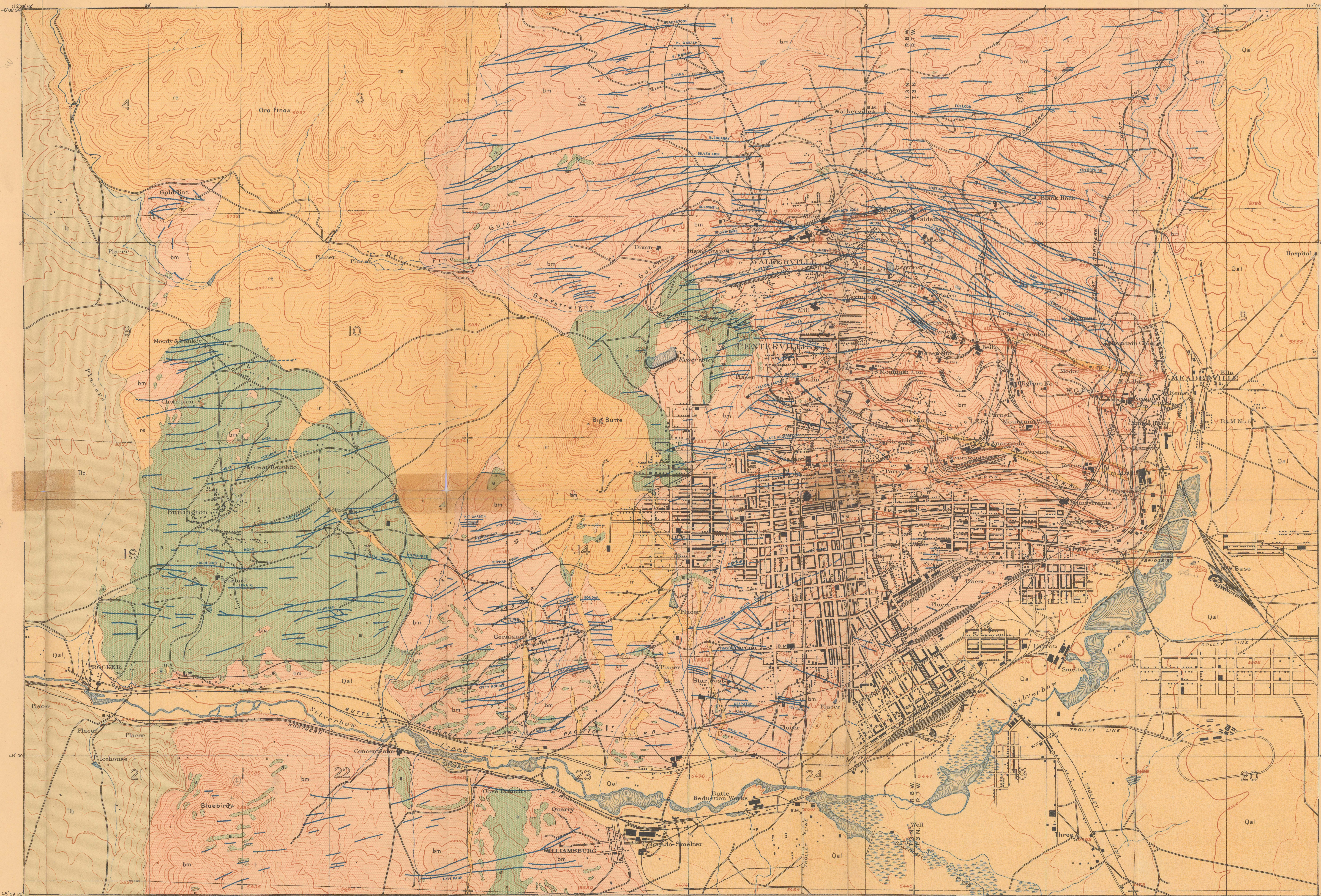


LIST OF MINE OPENINGS AND THEIR LOCATION.
(The position on the sheet can be determined by reference to the margin, which is divided into spaces of ten seconds of latitude and longitude.)

Name.	Latitude.	Longitude.	Name.	Latitude.	Longitude.
Adams.....	46° 0' 50"	112° 30' 48"	Lena K., West.....	46° 0' 39"	112° 35' 26"
Adelaide.....	46 1 42	112 30 35	Leonard.....	46 1 23	112 31 31
Alex Scott No. 1.....	46 1 26	112 30 43	Lexington.....	46 1 49	112 32 08
Alex Scott No. 2.....	46 1 28	112 30 45	Little Darling.....	46 0 39	112 35 49
Alice.....	46 2 05	112 32 14	Little Gold Hill.....	46 0 37	112 32 08
Allie Brown, East.....	46 1 53	112 32 10	Little Joe.....	46 1 14	112 32 28
Allie Brown, West.....	46 1 51	112 32 18	Little Mina.....	46 1 23	112 31 59
Amador.....	46 2 00	112 31 49	Little Mina, East.....	46 1 19	112 31 51
Amy Silversmith.....	46 2 04	112 32 37	Little St. Lawrence.....	46 1 30	112 32 43
Amy Incline.....	46 0 45	112 35 37	Lloyd Tunnel.....	46 1 02	112 31 00
Anaconda.....	46 1 11	112 31 25	Lloyd Shaft.....	46 1 03	112 30 59
Anderson.....	46 0 43	112 31 15	Magna Charta.....	46 2 07	112 31 57
Anglo Saxon.....	46 0 27	112 33 03	Margat Ann.....	46 2 22	112 32 36
Anselmo No. 1.....	46 1 12	112 32 53	Mat.....	46 1 42	112 30 28
Anselmo No. 2.....	46 1 12	112 32 41	Maximilian No. 1.....	46 0 51	112 32 38
Ape.....	46 1 14	112 35 25	Maximilian No. 2.....	46 0 50	112 32 44
Atlantic.....	46 3 35	112 29 31	Milwaukee.....	46 0 46	112 35 41
Balm.....	46 0 44	112 35 28	Minnie Healy.....	46 1 19	112 34 26
Batchelor.....	46 1 48	112 32 21	Missoula.....	46 1 38	112 32 41
Belcher.....	46 1 51	112 33 01	Modoc.....	46 1 31	112 30 49
Bell.....	46 3 36	112 31 24	Modoc Extension.....	46 1 29	112 30 42
Belle of Butte.....	46 2 01	112 32 06	Modoc, West.....	46 1 35	112 31 01
Belle of Butte, L. S.....	46 2 02	112 32 03	Mono.....	46 0 47	112 35 26
Belmont.....	46 0 49	112 31 21	Moody & Sankey.....	46 1 26	112 35 41
Bernard.....	46 1 12	112 32 48	Moonlight.....	46 1 02	112 31 34
Blackbird.....	46 0 35	112 33 38	Moose.....	46 2 01	112 31 41
Black Rock.....	46 2 10	112 31 04	Morning Star.....	46 1 02	112 32 44
Blackstone.....	46 5 51	112 33 13	Moulton.....	46 1 25	112 32 34
Bluebird.....	46 0 42	112 35 38	Mountain Boy.....	46 2 04	112 32 25
Blue Jay.....	46 1 03	112 31 49	Mountain Chief.....	46 1 37	112 30 40
Blue Wing.....	46 1 55	112 32 13	Mountain Con. No. 1.....	46 1 30	112 31 59
Boston.....	46 2 12	112 31 34	Mountain Con. No. 2.....	46 1 29	112 32 05
Brazil No. 1.....	46 0 36	112 33 31	Mountain View.....	46 1 16	112 31 06
Brazil No. 2.....	46 0 32	112 33 29	Mount Moriah No. 1.....	46 1 15	112 32 37
Britania.....	46 0 21	112 33 23	Mount Moriah No. 2.....	46 1 13	112 32 44
Buffalo.....	46 1 30	112 32 14	Naptime.....	46 0 44	112 32 47
Cambers.....	46 0 53	112 31 20	Nettie No. 1.....	46 0 57	112 34 53
Candlestick.....	46 2 48	112 31 38	Nettie No. 2.....	46 0 53	112 35 01
Carrie.....	46 0 56	112 32 44	Nettie No. 3.....	46 0 54	112 34 40
Champion.....	46 1 22	112 35 43	Neversweat.....	46 1 09	112 31 34
Clark's Fraction.....	46 2 07	112 32 08	Nipper.....	46 1 15	112 31 45
Clear Grit.....	46 1 19	112 32 09	Nonesuch (Union Co.).....	46 1 51	112 33 38
Columbia.....	46 0 50	112 33 01	Nora.....	46 0 55	112 31 03
Colusa, East.....	46 1 28	112 30 24	North Pacific, East.....	46 0 08	112 32 44
Colusa, West.....	46 1 24	112 30 44	North Pacific, West.....	46 0 09	112 32 49
Comanche.....	46 1 08	112 31 40	North Star.....	46 2 54	112 22 59
Comstock.....	46 1 21	112 30 47	Oden.....	46 1 11	112 31 43
Corra No. 1.....	46 1 49	112 31 42	Old Glory.....	46 1 34	112 31 07
Corra No. 2.....	46 1 52	112 31 46	Olive Branch.....	46 59	112 33 54
Cuerpo Bazo.....	46 1 08	112 31 12	Ophir.....	46 1 08	112 32 13
Curry.....	46 1 57	112 32 19	Original.....	46 1 08	112 32 17
Czarina, East.....	46 0 19	112 33 38	Original Butte (Daily Shaft).....	46 1 08	112 32 27
Czarina, West.....	46 0 19	112 33 48	Oro Butte.....	46 1 24	112 32 35
Daily Shaft (See Original Butte).....			Orphan Boy.....	46 0 40	112 34 05
Daniel Quip.....	46 2 18	112 31 20	Orphan Girl.....	46 0 40	112 34 05
Darling Fraction.....	46 1 52	112 31 52	Ottawa.....	46 2 29	112 31 20
Despatch.....	46 0 11	112 32 43	Pacific.....	46 1 27	112 32 26
Destroying Angel.....	46 0 52	112 32 12	Parnell.....	46 1 19	112 31 20
Diamond.....	46 1 26	112 31 29	Parrot.....	46 1 07	112 31 41
Dixon.....	46 1 58	112 33 10	Parrot No. 5, East.....	46 1 04	112 31 39
Elbe.....	46 0 31	112 33 58	Paymaster.....	46 1 25	112 32 24
Elm Orie.....	46 2 09	112 31 18	Pennsylvania.....	46 1 00	112 30 54
Elva.....	46 2 39	112 32 58	Pikes Peak, East.....	46 0 04	112 32 43
Emma.....	46 0 43	112 33 13	Pikes Peak, West.....	46 0 06	112 32 49
Enterprise.....	46 2 16	112 30 40	Pollock.....	46 2 31	112 31 31
Estella.....	46 1 28	112 32 18	Poolman.....	46 0 43	112 35 54
Eveline.....	46 1 44	112 32 55	Poser.....	46 2 06	112 31 32
Flag.....	46 1 46	112 31 56	Poulin.....	46 1 27	112 32 24
Four Johns Tunnel.....	46 2 09	112 30 47	Ramsdell-Parrot.....	46 1 07	112 31 38
Fredonia.....	46 0 48	112 33 15	Rarus.....	46 1 09	112 30 46
Garrison.....	46 1 09	112 32 20	Rarus No. 2.....	46 1 08	112 30 45
Gambetta.....	46 1 21	112 30 39	Raven.....	46 1 34	112 32 26
Gambrian.....	46 1 03	112 32 49	Rising Star.....	46 1 58	112 32 46
Garibaldi.....	46 0 34	112 34 58	Rose.....	46 1 02	112 31 26
Gem.....	46 1 50	112 30 59	St. Lawrence.....	46 1 10	112 31 12
Germania.....	46 0 28	112 33 50	St. Lawrence No. 2.....	46 1 12	112 31 12
Glengarry.....	46 0 45	112 30 44	Salvatore.....	46 1 36	112 32 48
Glengarry Silver.....	46 2 25	112 32 41	Schobar.....	46 1 16	112 32 22
Gold Hill.....	46 1 05	112 32 05	Self Rising.....	46 0 46	112 34 48
Gold Hill No. 2.....	46 1 05	112 32 21	Silverbow No. 1.....	46 0 55	112 30 44
Goldfield.....	46 2 11	112 35 49	Silverbow No. 2.....	46 0 53	112 30 34
Goldsmith.....	46 2 05	112 32 49	Silver Gate.....	46 0 26	112 34 21
Gopher.....	46 0 53	112 31 06	Silver Lick.....	46 2 19	112 32 37
Greyrock, East.....	46 1 38	112 31 31	Sious Chief.....	46 1 37	112 30 50
Greyrock, West.....	46 1 42	112 31 44	Sisters.....	46 1 47	112 31 51
Great Republic.....	46 1 08	112 35 27	Snohomish.....	46 1 05	112 30 34
Green Mountain.....	46 1 34	112 31 42	Snow Drift.....	46 2 24	112 32 55
Ground Squirrel No. 1.....	46 0 44	112 31 01	Soudan.....	46 0 36	112 33 35
Ground Squirrel No. 2.....	46 0 47	112 31 02	Speculator, East.....	46 1 40	112 31 12
Ground Squirrel No. 3.....	46 0 47	112 30 57	Speculator, West.....	46 1 38	112 31 22
Harrington.....	46 0 44	112 30 41	Springfield.....	46 2 50	112 32 55
Henry George.....	46 0 51	112 31 33	Spruce.....	46 0 22	112 32 30
Hesperus.....	46 0 49	112 31 38	Star West, E. shaft.....	46 0 16	112 32 47
Hibania, East.....	46 0 59	112 34 40	Star West, W. shaft.....	46 0 21	112 32 55
Hibania, West.....	46 0 58	112 34 42	Stevens.....	46 0 46	112 32 37
Highland.....	46 59	112 33 43	Steward.....	46 1 13	112 31 54
High Ore.....	46 1 26	112 31 11	Sunshine.....	46 1 32	112 31 04
Humboldt.....	46 0 25	112 33 50	Tecumseh.....	46 0 12	112 32 28
Hyde Park.....	46 59	112 34 26	Tramway.....	46 1 12	112 30 34
Idaho.....	46 0 49	112 31 09	Travona.....	46 0 24	112 32 45
Illinois.....	46 2 20	112 33 02	Trifle.....	46 1 10	112 32 52
Iowa.....	46 1 40	112 35 33	Tuolumne.....	46 1 42	112 30 51
Isele.....	46 0 06	112 33 46	Union Co.....	46 2 33	112 32 18
Jersey Blue.....	46 2 14	112 31 22	Valdemere.....	46 2 05	112 31 46
Josephine.....	46 1 48	112 31 57	Valley, East.....	46 0 46	112 31 42
Kit Carson.....	46 0 55	112 34 11	Valley, West.....	46 0 09	112 32 38
Kosuth.....	46 0 16	112 34 12	Virginus (Parrot).....	46 0 08	112 31 54
La Plata.....	46 1 43	112 32 13	Wabash No. 1.....	46 2 45	112 33 00
Late Acquisition, East.....	46 1 15	112 32 12	Wabash No. 2.....	46 2 43	112 33 02
Late Acquisition, West.....	46 1 15	112 32 19	Wake-up-Jim.....	46 1 34	112 31 34
Lena K., East.....	46 0 38	112 35 22	Washoe.....	46 1 05	112 31 57
			Wedge.....	46 2 28	112 30 25
			Wild Bill.....	46 1 44	112 31 30
			Yellow Jacket.....	46 1 24	112 32 40



LEGEND

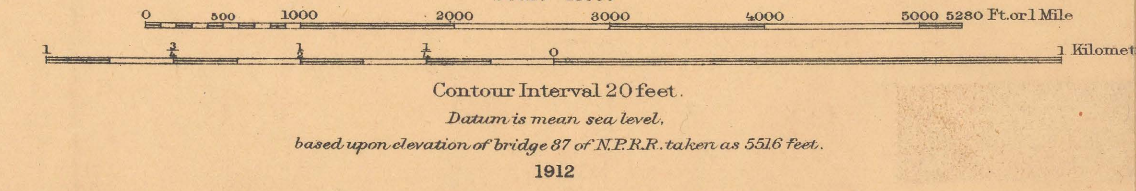
SUPERFICIAL ROCKS
(Areas of superficial rocks are shown by patterns of dots and circles.)
Qal Alluvium and wash

SEDIMENTARY ROCKS
(Areas of sedimentary rocks are shown by patterns of parallel lines.)
Tib Lake beds (sand, gravel, and boulders)
Tib Limestone (massive and cherty)

IGNEOUS ROCKS
(Areas of igneous rocks are shown by patterns of irregular lines and dots.)
ir Intrusive rhyolite (dikes, breccia, and agglomerates)
re Extrusive rhyolite (tuff, breccia, and flows including probably a few intrusive masses, including some rhyolite breccia)
rp Rhyolite porphyry (massive)
a Andesite (massive)
bm Butte quartz monzonite
Bulbs

Veins
Copper veins
Silver veins
Broken lines indicate covered or doubtful veins
Small shafts and prospects
Shafts with buildings

GEOLOGIC AND VEIN MAP OF BUTTE, MONTANA



Geology by Walter Harvey Weed
S.F. Emmons and G.W. Tower
Revised in 1906

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