U. S. GEOLOGICAL SURVEY
J. W. POWELL, DIRECTOR.

STRUCTURE SECTIONS

CALIFORNIA
JACKSON SHEET

LEGEND

SUPERFICIAL

- al — Alluvium (bottom lands)
- grv — Shore and river gravels and hardpan (the gravels frequently contain gold) — PLEISTOCENE

SEDIMENTARY (unaltered)

- Ng — Auriferous river gravels
- Nsg — Neocene shore gravels
- Ni — Ione formation (clay, sandstone and clay-rock. Contains coal seams and iron deposits) — NEOCENE

SEDIMENTARY (metamorphic)

- Jm — Mariposa slates (black clay slates containing numerous and rich gold quartz veins; roofing slate)
- Cc — Calaveras formation (Argillite, limestone, quartzite, phthanite and mica-schist. Contains gold quartz veins) — AURIFEROUS SLATE SERIES — CARBONIFEROUS JURATRIAS

IGNEOUS (unaltered)

- Na — Andesite (massive and fragmental)
- Nr — Rhyolite-tuff (with some beds of clay building stone) — NEOCENE
- di — Diorite (with primary hornblende needles)
- grd — Granodiorite (containing gold quartz veins)
- gr — Granite
- qm — Quartz-muscovite rock
- qd — Quartz-diorite
- gbd — Gabbro-diorite
- gbp — Gabbro-pyroxenite
- gb — Gabbro
- py — Pyroxenite
- s — Serpentine (Contains chrome iron deposits)
- qp — Quartz-porphyrite
- db — Diabase and porphyrite
- hp — Hornblende-porphyrite — EARLIER THAN THE LATE CRETACEOUS (CHICO FORMATION)

IGNEOUS

DYNAMOMETAMORPHIC

- am — Amphibolite-schist (derived from diabase, gabbro etc. Containg copper deposits and gold quartz veins)
- at — Amphibole-talc schist (derived from pyroxenite etc.)
- Limestone Lenses

+20 Dip and strike of stratified rocks.
Vertical dip and strike of stratified rocks.
Dip and strike of schistosity.
Gold quarts veins

Geo. F. Becker Geologist in Charge.
Geology by H. W. Turner.
Surveyed in 1889-91.

Henry Gannett, Chief Geographer.
A. H. Thompson, Geographer in charge.
Triangulation by H. M. Wilson.
Topography by A. F. Dunnington and R. H. McKee.
Surveyed in 1888.

Scale 1/125,000
0 1 2 3 4 5 6 Miles
Contour Interval 100 feet
Edition of Mar. 1894.