

Description of Veins

147

in detail

ITEM 135

Main Grand Prize Vein

This vein first appears in a tunnel at South end of main claim where it is thirty inches wide, dip 75° W.

It can be traced clear through this claim and North extension of main G. Prize.

The first outcrop North of the tunnel is a little South of the middle of the claim.

The vein here appears to be twelve feet wide, being of irregular ribbon structure carrying quartz - quartzite and a sort of porphyry - walls good.

Between this and the shaft the vein crops out almost continuously, but can only occasionally measure width.

(The shaft is about the middle of the claim)

There is a cut about 100 feet South of the shaft about 7 feet deep and 30 ft. along the vein. A shaft in this cut is about 7 feet deep. is filled with surface water.

The floor of the cut is filled with debris. Vein space in cut 30 inches wide. Walls good. Shows more quartzite & porphyry than quartz at ends.

Between the cut and the shaft. the vein seems to widen - quartz and quartzite filling the vein at surface.

main Grand Prize Vein

pa 1

0480 0125

The shaft is about twenty to twenty five feet deep but is run down the west side of the vein in the "Country rock", only slightly cutting the vein. Water in bottom of shaft. Could not measure width of vein at shaft.

About 100 feet North of Shaft is a crosscut, vein is about 7 feet wide in this crosscut.

At this point a stringer or spur branches off to the S.E., (Between S.E. & S. being about 20 feet East of the main vein at the shaft where it is two feet wide. could not trace vein further South.

Samples of the spur were put in with the samples of the main "G.P." vein, about 75 feet North of crosscut the vein is 4 ft. wide. About 150 feet further North 4 ft. wide, mostly porphyry, - nearly vertical. Vein does not appear again until North end of "G.P." claim where the ground abruptly falls as a cliff about 75 feet. Here the vein is about 6 feet wide at the top of the cliff and widens out to about 10 feet at the bottom, dip at this point being about 50° East.

Near the base of the cliff a second vein shows, about ten feet west of the main vein, and is 30 inches wide. At the foot of

Main Grandprize Vein Cont.

Main Grandprize Vein Cont

The cliff is a shallow cross-cut. In this crosscut a third vein shows about 30 feet west of the main vein dipping 35° west and about 4 feet wide.

From the dip and the size this west vein may be the main "G.P." instead of the Eastern one, although at the top of the cliff the eastern one appears to be the continuation of the main "G.P.", there is uncertainty owing to the vein being covered for more distance South of the cliff.

This cliff is on the dividing line between the "Main G.P." and the North Extension of "Main G.P." and may be regarded as a natural almost vertical cross section of the ridge at this point, and shows a large mass of ore in the ridge. The North Extension of the main "G.P." does not show any real outcrop of the vein although its continuation is shown by "float" discoloration etc.

Samples were taken along the vein, averaged and assayed with following results.

	Assayers	Gold	Silver	Total per ton
Carson Mint	Hetrich	\$ 7.50	\$ 3.76	\$ 11.26 "
Denver	DeForest	7.03	2.98	12.01 "
Reno, Nev	Norton	15.50	3.62	19.21 "

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Main West Grand Prize

"West Grand Prize" Vein ---
can be traced clear through this claim
and its north extension.

It first outcrops at the South end where
it is three feet wide, dip 45 East. This out-
crops about 500 South of North line
of adjacent ground, called "Oride".

Next outcrop about North end of "Oride" 30 inches
wide. Next outcrop about 50 feet further North
2 feet wide. Next outcrop about 500 ft. from
South end of claim, 2 feet wide.

Next outcrop about 60 ft further North vein
partly covered. but over two feet wide dip
45° East.

Shaft about middle of this claim taps
it but does not show width.

Vein does not crop out again on this claim
but appears about middle of its North extension
claim, too covered to get width. Then 50 feet
further North, too covered to get width.
Then about 300 feet further North where it is
10 inches wide, then about 150 feet further
North where it is 20 inches wide, then
50 feet further North where it is 3 feet wide
dip 45° East. Vein also shows on adjoining
ground farther North.

or

Vein

Samples were taken all along this vein.

West G.P. Vein
continued

Samples were taken all along this vein, averaged and assayed with following results:

Assayers	Gold,	Silver,	Total, per ton
Hettrich	\$ 9.06	\$.70	\$ 9.76 ..
De Forest	7.44	Trace	7.44 ..
Norton	12.60	1.21	13.81 ..

Veins between Main G.P. and West G.P.

These are "Rex" and "Andy" veins and a vein or veins shown at "cross cut" near N.W. corner of main G.P. and small cutting on North Extension, near S.W. corner."

"Rex" vein (commencing at North)

First appears in a shaft 7 feet deep on west line of North Extension of main "G.P." near its north end and where it is 3 feet wide, dip vertical. Balance of the way for 500 feet south it is too covered to get width. Vein runs near West line of main G.P. claim.

Samples were taken at each outcrop averaged and assayed with following results:

Assayers	Gold,	Silver	Total per ton
Hettrich	\$ Trace	\$.52	\$.52
De Forest	1.25	1.20	2.45

"Andy" vein commencing at North,

First appears on North Extension of Main G.P. near west line and about 300 feet North of its South end, and about 70 feet East of

Veins between Main G.P. and West G.P.

Rex vein, could not measure width at this point.

2nd outcrop near S.W. corner of North Extension of main g.p. 4 feet wide,

3rd outcrop at shaft 6 feet deep, near N.W. corner of main g.p. claim, white sulphuret quartz, vein over $3\frac{1}{2}$ feet wide, could not get at full width dip 45 East.

From direction of strike and contour of ground vein appears to run for mouth of Chagnon tunnel, may be vein 1 in tunnel.

Samples taken at each outcrop. averaged and assayed with following results;

Assayer	Gold	Silver	Total per ton
Hettrich	\$ 3.00	\$.44	\$ 3.44
Dr Forrest	Trace	1.08	1.08

Crosscut on North Extension of main g.p. claim about 400 feet N.W. of g.p. 7 feet deep. near S.W. corner of claim, is about 100 feet East of "Andy" vein. Good showing of quartz, but much mixed - looks like "capping" to a good vein.

Samples taken and assayed.

Assayer	Gold	Silver	Total per ton
Hettrich	3.50	Trace	3.50
Dr Forrest	\$ 0.00	\$ trace	\$ 0.00

Veins between main g.p. and west g.p. cont.

Cross Veins

No 1 Between main g.p. & main west g.p. claims
Strike N.E. & S.W. Dip S.E. meets main g.p.
Vein about 500 from North end of claim,
could not measure or get width appears
rather heavy

No 2 From point on West g.p. vein about 500 ft.
from South end strikes S.E. toward main g.p.
vein Dip about 45 N.E. Crops out near west
line of main g.p. for about 20 feet. could
not get width

Veins showing in Chagnon tunnel

No 1 -- About 55 feet from mouth of tunnel
Is about 3 feet wide on floor, narrower at
the top -- may be a continuation of Andy vein

Samples taken averaged and assayed:

Assayers	Gold	Silver	Total pr ton
Hetrick	\$ 10.07	\$ 4.19-	\$ 14.26 "
Dr Forrest	15.31	3.60	18.91 "

No 2 Is 22 feet beyond No 1 and is 15 inches wide

It is probably a spur from main g.p. vein.

Samples taken, averaged and assayed.

Assayers	Gold	Silver	Total pr ton
Carson Mint Hetrick	\$ 52.74	\$ 8.35	\$ 61.09
Denver Dr Forrest	48.78	7.70	56.48
Reno Mr Norton	52.68	5.80	58.48

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Veins West of "West G. Prize"

About 150 feet west of the main "W. g.p." vein, on the "Orion" claim (South of "W. g.p.") a vein crops out for about 30 ft, - dip 45° East. Vein is here about 5 ft wide, 15 inches of quartz and remainder of vein space filled with porphyry - walls good. Outcrop is parallel to "West g.p."

A vein appears on North Extension of "West g.p." claim about 50 ft west of the main vein it can be traced for about 100 ft North of the North Extension of "W. g.p." where it is about parallel to the main W. g.p. vein and is two feet wide dip 55° East. These are probably outcrops of the same vein. I cannot find any other outcrops of this vein. Took samples from both outcrops averaged and assayed

Assayers	Gold	Silver	Total per Ton
Hetrich	\$2.25	\$.61	\$2.86
De Forrest	3.31	Trace	3.31

Veins West of West G. Prize

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Vein East of Main "A.D." Vein

9

Vein East of Main "G.P." Vein.

About 50 feet East of Main G.P. Vein and 100 ft. from North end of the claim a vein crops out at two points 50 ft. apart. Vein about 15 inches wide, dip vertical.

No other outcrops of this vein found. Samples of both outcrops taken averaged and assayed.

Assayers	Gold	Silver	Total per Ton
Hettrich	\$5.15	\$21.00	\$26.15
De Forrest	3.31	11.13	14.44

Aggregate width of Veins upwards 13 ft.

DESCRIPTION OF VEINS,

in Detail

MAIN GRAND PRIZE VEIN.

This vein first appears in a tunnel at South end of Main claim where it is thirty inches wide, dip 75° W.

It can be traced clear through this claim and North extension of Main G. Prize. The first outcrop north of the Tunnel is a little south of the middle of the claim. The vein here appears to be twelve feet wide, being of irregular ribbon structure, carrying quartz-quartzite and a sort of porphyry-walls good.

Between this and the shaft the vein crops out almost continuously, but can only occasionally measure width.

(The shaft is about the middle of the claim.) There is a cut about 100 feet South of the shaft about 7 feet deep and 30 feet along the vein. A shaft in this cut is about 7 feet deep is filled with surface water.

The floor of the cut is filled with debris. Vein space in cut 30 inches wide. Walls good. Shows more quartzite and porphyry than quartz at ends.

Between the cut and the shaft the vein seems to widen, quartz and quartzite filling the vein at the surface.

The shaft is about twenty to twenty-five feet deep but is run down the west side of the vein in the "Country rock" only slightly cutting the vein. Water in bottom of shaft could not measure width of vein at shaft.

About 100 feet North of shaft is a cross cut vein is about 7 feet wide in this cross cut.

At this point a stringer or spur branches off to the S.E. and S. being about 20 feet east of the main vein at the shaft where it is two feet wide, could not trace vein further South.

Samples of the spur were put in with the samples of the main "G. P." vein, about 75 feet North of crosscut the vein is 4 feet wide. About 150 feet farther North 4 feet wide mostly porphyry nearly vertical. Vein does not appear again until north end of "G. P." claim where the ground abruptly falls as a cliff about 75 feet. Here the vein is about 6 feet wide at the top of the cliff and widens out to about 10 feet at the bottom, dip at this point being about 50° east.

Near the base of the cliff a second vein shows about ten feet west of the main vein, and is 30 inches wide. At the foot of the cliff is a shallow cross-cut; in this cross-cut a third vein shows about 30 feet west of the main vein dipping 35° West and about 4 feet wide.

From the dip and the size, this west vein may be the main "G. P." instead of the Eastern ore, although at the top of the cliff the eastern one appears to be the continuation of the main "G. P.," there is uncertainty owing to the vein being covered for more distance South of the cliff.

This cliff is on the dividing line between the main "G.P." and the North extension of Main "G. P.", and may be regarded as a natural almost vertical cross section of the ridge at this point, and shows a large mass of ore in the ridge. The North Extension of the main "G. P." does not show any real out-crop of the vein although its continuation is shown by "float" ^o discoloration, etc.

Samples were taken along the vein, averaged and assayed with following results.

<u>Assayers</u>	<u>Gold</u>	<u>Silver</u>	<u>Total per ton.</u>
Carson Mint Hetrich	\$7.50	\$3.76	\$11.26
Denver- De Forest,	7.03	2.98	12.01
Reno, Nev- Norton	15.50	3.68	19.21

....."WEST GRAND PRIZE", VEIN.....

can be traced clear through this claim and its North extension.

It first outcrops at the South end where it is three feet wide, dip 45 East. This outcrops about 500 South of North line of adjacent ground called "Oriole". Next outcrop about North end of "Oriole" 30 inches wide. Next outcrop about 50 feet farther north 2 feet wide. Next outcrop about 500 feet from South end of claim 2 feet wide.

Next outcrop about 60, feet farther ; North vein partly covered, but over two feet wide dip 45° East.

Shaft about middle of this ~~main~~ claim tops it, but does not show width.

Vein does not crop out again on this claim, but appears about middle of its north extension claim, too covered to get width. Then five feet farther north, too covered to get width. Then about 300 feet farther north where it is 10 inches wide. Then about 150 feet farther North where it is 27 inches wide. Then 50 feet farther North where it is 3 feet wide, dip 45° East. Vein also shows on adjoining ground farther north.

Samples were taken all along this Vein, averaged and assayed with following results:

<u>Assays.</u>	<u>Gold</u>	<u>Silver</u>	<u>Total per ton.</u>
Hetrich,	\$9.06	\$.70	\$9.76
DeForest	7.44	trace	7.44
Norton,	12.60	1.21	13.81

Veins between Main G. P., and West G. P.

These veins are "Rex" and "Andy". Veins and a vein or veins shown at "cross cut" near N. W. corner of main G. P., and small cutting on North Extension near S. W. corner.

Rex. Vein (Commencing at North)

First appears in a shaft seven feet deep on west line of North Extension of Main "G P"

near its north and where it is 3 feet wide, dip vertical balance of the way for 500 feet south it is too covered to get width. Vein runs near west line of Main G. P. claim.

Samples were taken at each outcrop averaged and assayed with following results:

<u>Assays</u>	<u>Gold</u>	<u>Silver</u>	<u>Total per ton.</u>
Hetrich	\$Trace	\$.52	\$.52
De Forest	1.25	1.20	2.45

"Andy" Vein commencing at North.

First appears on North Extension of main G. Prize, near west line and about 300 feet north of its South end, and about 70 feet East of Rex Vein could not measure width at this point.

Second outcrop near S. W. corner of North Extension of Main G. P. 4 feet wide.

Third outcrop at shaft 6 feet deep near N. W. corner of main G.P. claim, white sulphuret quartz, Vein over 3 1/2 feet wide, could not get at full width, dip 45 east.

From direction of strike and contour of ground vein appears to run for mouth of Chagnon tunnel, may be vein one in tunnel.

Samples taken at each outcrop averaged and assayed with following results-

<u>Assayer</u>	<u>Gold</u>	<u>Silver</u>	<u>Total per ton.</u>
Hetrich	\$3.00	\$.44	\$3.44
De Forest,	trace,	1.08	1.08

Cross cut on North Extension of Main G. P. claim about 400 feet N. W. of G. P. 7 feet deep near S. W. corner of claim, is about 100 feet east of "Andy" Vein. Good showing of quartz but much mixed - looks like "cropping" to a good vein.

Samples taken and assayed:

<u>Assayer</u>	<u>Gold</u>	<u>Silver</u>	<u>Total per ton.</u>
Hetrich,	\$3.50	trace	\$3.50

<u>Assayer</u>	<u>Gold</u>	<u>Silver</u>	<u>Total per ton.</u>
De Forst ^e	\$5.00	trace	\$5.00

CROSS VEINS

No. 1. Between Main G. P. and Main West G. P. claims Strike N. E. and S. W., Dip S. E., meets main G. P. Vein about 500 from north end of claim, could not measure or get width appears rather heavy.

No. 2. From point on West G. P. vein about 500 feet from south end, strikes S. E. toward main G. P. Vein dip about 45 N. E. crops out near west line of Main G. P. for about 20 feet could not get width.

Veins showing in Chagnon Tunnel.

No. 1. About 55 feet from mouth of tunnel. Is about 3 feet wide on floor, narrower at the top may- may be a continuation of Andy vein.

Samples taken averaged and assayed:

<u>Assayers,</u>	<u>Gold</u>	<u>Silver</u>	<u>Total per ton.</u>
Hetrich	\$10.07	\$4.19	\$14.26
De Forest	15.31	3.60	18.91

No. 2. 22 feet beyond No. 1 and is 15 inches wide. It is probably a spur from Main G. P., Vein.

Samples taken averaged and assayed.

<u>Assayers.</u>	<u>Gold</u>	<u>Silver</u>	<u>Total per ton.</u>
Carson, Mont-Hetrich	52.74	\$8.35	\$61.09
Denver- DeForest,	48.78	7.70	56.48
Reno, Nev.-Norton	82.68	5.80	88.48

--- VEINS WEST OF "WEST G. PRIZE" ---

About 150 feet west of the main W.G.P. vein, on the Oriole claim (south of "W. G. P.") a vein crops out for about 30 feet dip 45° East. Vein is here about 5 feet wide, 15 inches of quartz and remainder of vein space filled with porphyry. Walls good. Out crop is parallel to "West G. P."

A vein appears on North Extension of "West G. P." claim about 50 feet west of the main vein. It can be traced

for about 100 feet north of the north extension of "W. G. P." where it is about parallel to the "Main W. G. P." vein and is two feet wide, dip 55° East. These are probably outcrops of the same vein. I cannot find any other outcrops of this vein.

Took samples from both outcrops, averaged and assayed:

Assayers,	Gold	Silver	Total per ton.
Hetrich	\$2.25	\$.61	\$2.86
De Forest,	3.31	trace	3.31

VEIN EAST OF MAIN "G. P. VEIN.

About 50 feet East of Main G. P. vein and 100 feet from North end of the claim, a vein crops out at two points 50 feet apart. Vein about 15 inches wide, dip vertical.

No other out crops of this vein found.

Samples of both outcrops taken, averaged and assayed:

<u>Assayers,</u>	<u>Gold.</u>	<u>Silver</u>	<u>Total per ton.</u>
Hetrich,	\$5.15	\$21.00	\$26.15
De Forest,	3.31	11.13	14.14

Aggregate width of Veins upwards 13 feet.

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GRAND PRIZE GROUP OF MINES.

Location. Two miles S.E. of Galena, Nevada in the Battle Mountain range of Mountains West of the Reese River Valley, in T. 31 N. 43 East.

The group consists of five claims, named as follows:

Grand Prize (main)	-----	1500 by 600 ft.
North Extension Grand Prize,		1500 by 600 feet.
South Extension	" "	1500 by 600 feet.
West Grand Prize,		1500 by 600 feet.
North Extension of West Grand P.		1500 by 600 feet.

TITLE

Claims, entered and work done under provisions of U. S. and Nevada Mining laws and regulations.

Distance to Battle Mountain on the C.P.R.R., 15 miles. Road good and nearly level for 12 miles. 2000 to 2500 feet rise in last three miles.

Distance to nearest point of Nevada Central Ry. about seven miles. The Nevada Central is a Narrow Gauge Railway running from Battle Mountain South along the Reese River Valley to Austin, Nevada.

The main Grand Prize ledge is the back bone of a ridge about 2000 to 2500 feet high (above neighboring Valley-- Reese River Valley) and is about 7,000 feet above sea level.

Strike of this ledge is North and South about 12 degrees West.

The main Grand Prize Vein follows this ledge and lies in it, dipping from 80 degrees West at South end, to about 50 degrees East at North end.

The ridge falls at about an angle of 30 degrees both

ways (E. and W.) from this ledge.

The main west Grand Prize Vein is nearly 600 feet west of the main Grand Prize Vein and outcrops nearly parallel to it Dip 45 degrees East.

This main West Grand Prize Vein runs the entire length of the West Grand Prize and its North Extension and into ground North and South.

Between these two veins lie two well defined Veins, the "Rex" Vein and the "Andy" Veins, also two outcrops showing the existence of another Vein, or it may be two veins. (The outcrops are indicated at "Crosscut" near South end of North Extension claim, and "small outting" indicated on plat.

There is also a vein about 100 feet west of the West Grand Prize Vein, and another vein about 50 feet East of the Main Grand Prize Vein, making seven or perhaps eight parallel Veins outcropping within the limit of 800 feet across. Two veins show in the Chagnon Tunnel, but one of them is probably the "Andy" Vein and the other simply a spur of the main Grand Prize Vein.

There are two well defined cross veins, one striking N.E. and S.W. and one N.W. and S.E. both shown on the plat. Besides these there are many "Stringers".

The main Grand Prize and Main West Grand Prize Veins dipping towards each other probably meet below, the veins lying between, meeting one or the other.

It is also quite probable that the veins lying west of the Main West Grand Prize Vein and the Vein lying East of the main Grand Prize Vein also joins the main Veins at depth.

WIDTH OF VEINS.

The outcrop of the main Grand Prize Vein appears to average upwards of four feet in width, the natural section of the ridge at cliff at the North end of G.P. Claim shows a widening of the claim with depth.

The outcrop of the main West G. Prize Vein also shows an average width of upwards of two feet.

Between the two main veins the outcrop of the "Rex" Vein appears fully two feet wide, and the outcrop of the Andy Vein even wider.

The other Vein or two Veins between the two main Veins shows some width (probably over 15 inches).

Total of the two main Veins and intermediate Veins upwards of eleven feet.

The ^{two} outside Veins (one west of main West Grand Prize and one East of Main G. Prize) aggregate upwards of thirty inches, bringing the total width up to something over thirteen feet.

TUNNELS,

The ridge falls rapidly to the South at the South end of the main Grand Prize claim and a tunnel has been run in along here thirty feet along the Vein. Vein 30 inches wide, tunnel 3 x 6 feet.

The Chagnon tunnel runs in along from the West 123 feet. The end being now very near the main Grand Prize ledge. This tunnel will cut the main G.P. Vein about 50 feet below the crest of the ridge. It crosses two veins, one probably the "Andy" Vein, and the other probably a spur of the main G. Prize Vein.

(4)

Near middle of West G. Prize claim a Tunnel was started , about 425 feet (Vertical distance) below crest of ridge. It is in about 35 feet , but has not gone through debris, has not struck rock.

Short tunnels will top the Veins at any depth to five or six hundred feet, materially reducing cost of mining. Below 500 feet the length of tunnel would probably be proportionately much increased.

COUNTRY ROCK

The country rock is mostly quartzite with Argillite and Porphyry.

South of main Grand Prize the ground falls very rapidly to the South and soon drops into a branch of the Reese River Valley, east, the ridge falls off to the Reese River Valley, west in the Canyon (within a thousand feet of the West line of the Grand Prize Group) is a good copper property ~~with~~ which was worked a long time by English people in years passed. The ore being assorted and shipped to Swansea Wales. This is now owned by The Glasgo Western Co of Scotland.

The Grand Prize group seems to be an isolated Gold property in this belt.

NEIGHBORING MINES.

The Buena Vista Mine just across the canyon to the N.W. about one mile distant, Argentiferous, worked in a small way- no mill-ore assorted and shipped.

White and Shiloh Mine, Argenteferous Galena was worked some years ago, but was abandoned on account of low price- or demonitization of Silver, is now under bond and will be reopened and worked about one and one half miles N.W. of G. Prize.

The country is burrowed in every direction by prospectors, many of whom are still holding on in hopes of finding capital to work.

MINES FURTHER FROM GALENA.

In mountain ranges on East side of the Reese River Valley, are the "Pitrsburg" & "Star" and "Groves" Mines-- Gold and silver about thirty miles distant----And Austin mines--silver, ninety miles further south.

The Trenton District--silver and copper--lies about six miles west of Galena.

WATER.

Abundant water can be obtained by sinking at any point in the Reese River Walley. Cost of water right--pipe line right of way merely nominal; pipes easy to lay and distance inside of three and one half miles. A pumping station would be required with pump capable of raising the water to an elevation of three or four hundred feet.

Ranchers in the Reese River Valley who have attempted to sink say that below ten or fifteen feet the water comes in so fast that it can only be controlled by machinery.

At battle mountain the water supply for the rail roads and town is entirely from artesian wells, the water rising to the surface. They go down through silt to gravel--Below the gravel is a stratum of hard clay and below the clay gravel again.

Total depth less than 3000 feet. I could not learn that anyone had gone below the second stratum of gravel as it was not necessary!

The Reese River Valley is the basin of a large extent of country, many of the contributory ridges carrying snow

well into the summer. This melting snow contributes water for a good part of the year.

The Reese River itself is dry the most of the year, the water apparently sinking into the gravel strata below.

FUEL AND LUMBER

No fuel in the neighborhood.

Good coal, (Rock Creek) will cost from six to seven Dollars per ton in quantity at Battle Mountain. Lumber about \$17. per thousand at Battle Mountain. Lumber comes from Truckee.

CLIMATE

Climate is good; work can be carried on the year round. Very little snow in the winter except on the high ridges.

ROADS & RAILROADS.

Roads good and passable the year round.

The C. P. Railroad passes through Battle Mountain, which is a station of some importance.

The Nevada Central, a Narrow gauge Ry, runs from Battle Mountain, South through the Reese River Valley to Austin. A branch from this road, from five ~~km~~ to seven miles long, across the flat— Reese River Valley would reach the proposed location of the mill.

MILL

Mill should be located at Mouth of canyon, Easterly of mine, bringing it near water and rail road. This would involve a tramway about two miles long, from mine to mill. No motive power for tramway would be required as the load would travel down hill and pull up the empties.

Short tunnels will top the veins at any depth to 500 or 6,000-feet below that the tunnels would have to, be proportionately much longer.

The ground cannot be called opened up. The side tunnels

not yet touching the main veins, and the end tunnel only being in thirty feet. The ground is merely scratched and this examination merely a surface examination.

ASSAYS, (see description veins)

The assays seem to show the presence of Gold and Silver in profitable quantity. The assay values from the veins in the tunnel seem to indicate greater values at depth than at outcrop.

OWNERS PROPOSITION.

Price of property ----\$75,000.00. Purchasers can have a bond to work and explore, and test the property as they may wish. Life of bond not to exceed two years. Work must commence within sixty days from the date of the bond.

Purchasers are required to put up \$25,000 to be expended in the investigation and testing of the property. This is simply in the nature of a guarantee of good faith and to prevent irresponsible parties tying up the property.

A payment of \$5,000.00 down will be required - this amount to be deducted from the purchase price at the expiration of the bond, and time of total settlement, if property is purchased.

The substance is that the owners give every opportunity for full and thorough investigation of the property, and will not demand any further payment until prospective purchasers have made full and satisfactory examination.

The proposition seems to be an unusually favorable one. The title appears to be perfect - No conflicting claims to harmonize.

The property seems large and valuable, and the owners are very liberal.

Upon examining the records of the mining District, the title will be found perfect. The district Recorder will state that the claims were entered all right and the yearly work recorded, and to the best of his knowledge and behalf the titles are all right.

Should parties contemplate purchase, it would probably be wise to have the title examined by a lawyer, and if found perfect to send an expert to make further examination.

Should the expert also report favorably a thorough examination of the property, including water supply should be made.

These preliminaries would probably cost from \$5,000 to \$10,000.

The thorough equipment of the mine would probably cost from \$70,000 to \$80,000-- including twenty stamp mill, buildings, power, tramways, water supply etc. etc.

A reserve fund should be provided for opening up, but the mine would pay almost from the start. Owing to favorable lay of the ground, the cost of mining would be low. The ore itself is not difficult to mine.

The ground throughout the District stands good, and but very little timber would be required for mining purposes.

(signed) F.E. Chagnon.

Grand Prize Group of Mines

Location. Two miles S.E. of Galena Nevada in the Battle Mountain range of mountains, west of the Reese River Valley. in T. 31 N. 43 East.

The group consists of five claims, named as follows;

Grand Prize (main)	1500 by 600 ft
North Extension Grand Prize	1500 " 600 "
South Extension " "	1500 " 600 "
West Grand Prize	1500 " 600 "
North Extension of West G.P.	1500 " 600 "
<u>Title</u>	

Claims entered and work done under provisions of U. S. and Nevada Mining Laws and Regulations.

Distance to Battle Mountain on the C.P. R.R., is 15 miles. Road good and nearly level for 12 miles. 2000 to 2500 feet. Rise in last 3 miles.

Distance to nearest point of Nevada Central Ry about seven miles. The Nevada Central is a Narrow Gauge Railway running from Battle Mtn South to Austin along the Reese River Valley to Austin, Nevada.

The main Grand Prize ledge is the back bone of a ridge about 2000 to 2500 feet high (above neighboring valley-- Reese River Valley) and is about 700 feet above sea level.

Strike of this ledge is North and South about 12° west.

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This main Grand Prize vein follows this ledge and lies in it, dipping from 80° W. at South end, to about 50° East at North end.

The ridge falls at about an angle of 30° both ways (E & W) from this ledge.

The main West Grand Prize vein is nearly 600 feet west of the main Grand Prize vein and outcrops nearly parallel to it. Dip 45° East.

This main West Grand Prize vein runs the entire length of the West Grand Prize and its North Extension and into ground North and South.

Between these two veins lie two well defined veins, the "Rex" vein and the "Andy" veins, also two outcrops showing the existence of another vein, or it may be two veins, (The outcrops are indicated at "cross cut" near South end of No. 1 Ext'n claim and "small cutting" indicated on plat.)

There is also a vein about 100 feet west of the West Grand Prize vein, and another vein about 50 feet East of the main Grand Prize vein, making seven or perhaps eight parallel veins outcropping within the limit of 800 feet across. Two veins show in the Chagnon Tunnel, but one of them is probably the "Andy" vein and the other simply a spur of the main Grand Prize vein.

There are two well defined cross veins, one striking N.E. & S.W. and one N.W. & S.E. both shown on the plat. Besides these there are many "stringers".

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The main Grand Prize & main West Grand Prize

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The main Grand Prize^{ed} and main West Grand Prize veins dipping toward each other probably meet below, the veins lying between meeting one or the other.

It is also quite probable that the veins lying west of the main West Grand Prize vein and the vein lying East of the main Grand Prize vein also joins the main veins at depth.

Width of Veins

The outcrop of the main Grand Prize vein appears to average upwards of four feet in width, the natural section of the ridge at cliff at the North end of G.P. claim shows a widening of the claim with depth.

The outcrop of the main West G. Prize vein also shows an average width of upwards of two feet.

Between the two main veins the outcrop of the Rex vein appears fully two feet wide, and the outcrop of the Andy vein even wider. The other vein or two veins between the two main veins shows some width (probably over 15 inches.)

Total of the two main veins and intermediate veins upwards of eleven feet.

The two outside veins (one west of main West-Grand Prize and one East of main G. Prize) aggregate upwards of thirty inches. bringing

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Bringing the total width up to something over thirteen feet.

Tunnels

The ridge falls rapidly to the South at the South end of the main Grand Prize claim and a tunnel has been run in along here thirty feet along the vein. Vein 30 inches wide, tunnel 3x6 feet.

The Chagnon tunnel runs in along from the West 123 feet. The end being now very near the main Grand Prize ledge. This tunnel will cut the main G.P. vein about 50 feet below the crest of the ridge. It crosses two veins, one probably the "Andy" vein, and the other probably a spur of the main G. Prize vein.

Near middle of West G. Prize claim a tunnel was started, about 425 feet (vertical distance) below crest of ridge. It is in about 35 feet, but has not gone through debris, has not struck rock.

Short tunnels will tap the veins at any depth to five or six hundred feet, materially reducing cost of mining. Below 500 feet the length of tunnel would probably be proportionately much increased.

Country Rock

The country rock is mostly quartzite with argillite and porphyry.

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South of main Grand Prize the ground:

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South of main Grand Prize the ground falls very rapidly to the South and soon drops into a branch of the Reese River Valley. East, the ridge falls off to the Reese River Valley. West, in the Canyon (within a thousand feet of the West line of the Grand Prize group) is a good Copper property which was worked a long time by English people in years passed. The ore being assorted and shipped to Swansea Wales. This is now owned by The Glasgow Western Co. of Scotland.

The Grand Prize group seems to be an isolated Gold property in this belt.

Neighboring Mines

The Buena Vista Mine, just across the canyon to the N.W. about one mile distant, Argentiferous, worked in a small way; - no mill. Ore assorted and shipped.

White and Shiloh mine, Argentiferous Galena was worked some years ago, but was abandoned, on account of low price - or demonitization of Silver, is now under bond and will be reopened - and worked, about one and one half miles N.W. of G. Prize.

The country is burrowed in every direction by prospectors, many of whom are still holding on in hopes of finding capital to work.

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Mines further from Galena

In Mountain ranges on East side of the Reese River Valley, are "The Pittsburg's Star" and "Groves" mines - Gold and Silver, about thirty miles distant - And Austin mines - Silver, ninety miles further South.

The "Trenton" District, Silver and Copper, lies about six miles West of Galena.

Water

Abundant water can be obtained by sinking at any point in the Reese River Valley - Cost of water right-pipe line right of way merely nominal, pipes easy to lay and distance inside of three and one half miles. A pumping station would be required with pump capable of raising the water to an elevation of three or four hundred feet.

Ranches in the Reese River Valley who have attempted to sink, say that below ten or fifteen feet the water comes in so fast that it can only be controlled by machinery.

At Battle Mountain the water supply for the Railroads and town is entirely from artesian wells, the water rising to the surface. They go down through silt to gravel - Below the gravel is a stratum of hard clay and below the clay gravel again,

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total depth less than 300 feet. I could not

total depth less than 300 feet. I could not learn that anyone had gone below the second stratum of gravel as it was not necessary.

The Reese River Valley is the basin of a large extent of country, many of the contributing ridges carrying Snow well into the summer. This melting snow contributes water for a good part of the year.

The Reese River itself is dry the most of the year, the water apparently sinking into the gravel strata below.

Fuel & Lumber

No fuel in the neighborhood.

Good Coal (Rock Creek) will cost from six to seven dollars per ton in quantity at Battle Mountain. Lumber about \$17.00 a thousand at Battle Mountain. Lumber comes from Truckee.

Climate

Climate is good, work can be carried on the year round. Very little snow in the winter except on the high ridges.

Roads & Railroads

Roads good and passable the year round.

The C.P. Railroad passes through Battle Mountain, which is a station of some importance.

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The Nevada Central, a narrow gauge Ry, runs from Battle Mountain South through the Reese River Valley to Austin, a branch from this road, from five to seven miles long, across the flat Reese River Valley would reach the proposed location of the mill.

Mill

Mill should be located at mouth of canyon Easterly of mine, bringing it near water and Railroad. This would involve a tramway about two miles long, from mine to mill. No motive power for tramway would be required, as the load would travel down hill and pull up the empties.

Short tunnels will tap the veins at any depth to 500 or 600 feet-- below that the tunnels would have to be proportionately much longer.

The ground cannot be called opened up. The side tunnels not yet touching the main veins, and the end tunnel only being in thirty feet. The ground is merely scratched and this examination, merely a surface examination.

Assays. (See description Veins)

The assays seem to show the presence of Gold & Silver in profitable quantity. The assay values from the veins in the tunnel seem to indicate greater values at depth than at outcrop.

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Owners Proposition

Owners Proposition

Price of property---\$75,000.00.
 Purchasers can have a bond to work and explore, and test the property as they may wish. Life of bond not to exceed two years. Work must commence within sixty days from the date of the bond.

Purchasers are required to put up \$25,000. to be expended in the investigation and testing of the property. This is simply in the nature of a guarantee of good faith and to prevent irresponsible parties tying up the property.

A payment of \$5,000 down will be required. This amount to be deducted from the purchase price at the expiration of the bond, and time of total settlement, if property is purchased.

The substance is that the owners give every opportunity for full and thorough investigation of the property, and will not demand any further payment until prospective purchasers have made full and satisfactory examination.

The proposition seems to be an unusually favorable one.

The title appears to be perfect, no conflicting claims to harmonize.

The property seems large and valuable, and the owners are very liberal. Upon examining the records of the Mining District, the title will be found perfect. The District Recorder will state that the claims were entered all right and the yearly work recorded, and to the best of his knowledge and belief the titles are all right.

Should parties contemplate purchase, it would probably be wise to have the title examined by a lawyer, and if found perfect to send an Expert to make further examination.

Should the expert also report favorably a thorough examination of the property, including water supply should be made.

These preliminaries would probably cost from \$5,000 to \$10,000—

The thorough equipment of the mine would probably cost from \$70,000 to \$80,000— including twenty stamp mill, Buildings, Power, tramways—water supply etc. etc

A reserve fund should be provided for opening up, but the mine would pay almost from the start. Owing to favorable lay of

the ground the cost of mining would be

the ground the cost of mining would be low. The ore itself is not difficult to mine.

The ground throughout the District stands good - and but very little timber would be required for mining purposes.

A. E. Chagnon