MAP AND CROSS SECTION SHOWING WORKINGS AND CREVICES OF THE ST. JOSEPH LEAD MINE.

1. Course N. 65° E., tight crevice, dripping.
2. N. 65° E., open channel, dripping.
3. N. 65° E., closed crevice, dripping.
4. N. 75° E., open channel, somewhat dripping.
5. N. 70° E., open, little dripping.
6. N. 60° E., closed and open, not very plain.
7. N. 85° W., open, not dripping.
8. N. 85° E., blind, no dripping.
9. S. 85° E., open, cave-like expansions originally fitted with clay bearing gneiss. This is a well-marked crevice and extends up to the surface; "shale" run through into the mine; depth, perhaps 150 ft.
10. S. 65° W., open, extends to surface, the rock on each side traversed by parallel joints and crevices 6 ft apart, partly open and dripping; no faulting.
11. N. 30° W., blind, minor crevices parallel and numerous there diagonally across.
12. Between 11 and 12 the roof is checked with blind crevices running mostly N. E., little drip.
13. Course E. and W., narrow opening, wet.
14. S. 45° W., large opening, wet; Mr. Thayer says the ground above is very broken and difficult to drill.
15. S. 45° W., open, not wet. Between this and 14 the roof is checked with blind crevices having courses S. 65° W., and thereabouts.
16. Same crevice; a horizontal opening occurs here with a lead of ore about 6 ft from the floor, principally on the W. side, but traceable also on the other side.
17. Not very open, but distinct; also probably found in the level below, at Camp shaft. Ground above very broken and difficult to drill.
18. Heavy flow of water at one point; shelf in rock like a crevice, but not well defined. Between here and 17 the roof is checked with blind crevices running about E. and W., and is very wet and broken.
20. E. and W., somewhat open, dripping.

CREVICE NOTES BONNE TERRE LEAD MINE.

COURSES ARE MAGNETIC.

1. Roof checked with tight or blind crevices.
2. Course N. 75° E. Opening exposed not over 16° long, heavy flow of water, rock much shattered.
3. S. 65° W., large, open, crevice, not wet, but dripping a little.
4. S. 60° W., closer, dripping.
5. W., tight, dripping.
6. S. 45° E., blind, roof checked with such; dripping.
7. S. 10° W., open and shut; dripping a little.
8. S. 70° W., close joints, numerous, no opening, but dripping.
9. E. and W., somewhat open, dripping.
10. S. 60° W., somewhat open, dripping.
11. S. 50° E., well marked, open and dripping; no faulting.
12. Course S. 75° W., well marked, open and dripping; no faulting.
13. S. 53° W., slightly open in roof, sharp edges, dripping.
14. N. 70° E., two parallel crevices 6 ft apart, partly open, little drip.
15. E., rather tight.
16. N. 65° E., open, crevices, clay pockets.
17. N. 78° E., open and shut, clayey, yellow ochery filling, some little drip; ore extends to it on the E. side.
18. S. 40° E., tight, no drip; contains rock crushed to sand and powder.
19. N. 60° E., tight joints and crevices running through pillars on the 146° level.
20. N. 60° E., roof checked with blind crevices, mostly dripping.
21. N. 78° E., tight, dripping, minor ones parallel.
22. N. 65° E., strong crevice; rock crushed and broken, in it, somewhat open, not dripping; rich ore on S. side; ground above too broken for drilling. In drift about 15° below, some crevices were seen, very plain and open and wet, no faulting. The same is found in drift another drift about 25 ft lower.
23. N. 60° E., same crevice on 158° level, open and wet, no faulting.