This is then crushed finer, and after again being thorweight remains. weight remains. This is then crushed finer, and after again being thoroughly mixed is divided, and perhaps a pound or two ground extremely fine; and this is the sample of the whole carload, or of the quantity originally delivered, whatever the amount was. This fine sample is then assayed; and from the assayer's results on this sample the whole shipment is paid for; hence the imperative necessity for careful, skilled sampling and for still more careful and skilled assaying.

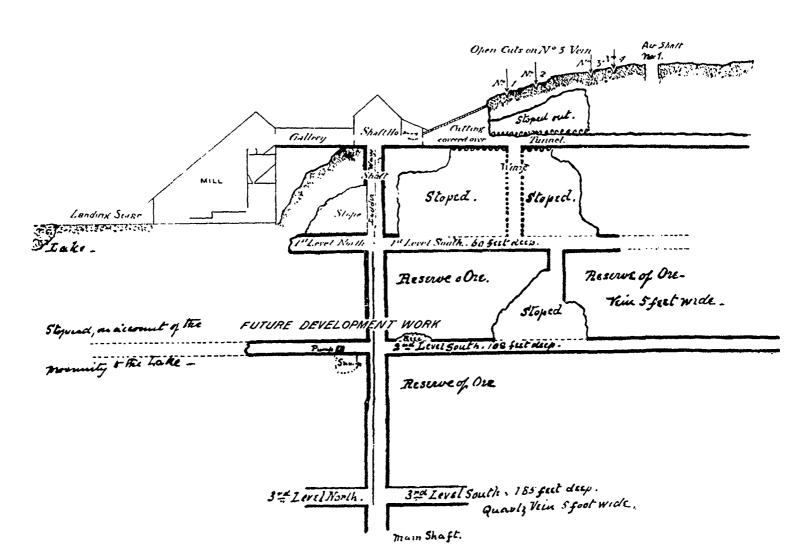
When this last operation is concluded, no matter with how much

When this last operation is concluded, no matter with how much care and ability it has been conducted, there is usually a most emphatic kick from the mineowner: "It never ran so low as that," or "Mr. so and so gave me \$50 in gold and you find only a trace," or "There must be a mistake and it must be resampled," &c., &c., all of which is very cheering to the painstaking assayer. The reason is that mineowners persist in cheating themselves by picking good specimens and giving these to the assayer; then, when the shipment comes out much lower, they are disappointed at the result, though no system of sampling at the mine can be so accurate as that employed by the sampling works, which possess every facility for the work, and where men specially trained to the work conduct every step of the operation.

In concusion, we can look back with satisfaction on the work connected with mining and smelting that has been accomplished even in this district during the past year, and we have also every reason to look forward with every feeling of confidence to the coming year, when at least some of our long deferred hopes seem in a very fair way to be realized. British Columbia has been too long forgotten and negle and the same may be said of many other districts removed from far as the east is from the west; but now all seems to point most t ably to an era in the mining industry in our wide Dominion which astonish the remainder of the world by the exhibition of our lite unexampled riches. А. Н. Ногосси.

Nrison, B. C., December 12th, 1896.

The largest Air Compressor in Canada: The Cana Rand Drill Co., have recently shipped to the Le Roi Mining Co., at land, B.C., the largest air compressor which has ever been built in Car The engines of this compressor are of the Corliss type, made compendersing. The two steam cylinders are 22" and 40" in diameter, by stroke, while the two air cylinders are 22" and 34" diameter crank shaft, which drives the machine is 12" diameter; the fry when fit in diameter by 40" face. It took six that cars to tranship this con ment, and it went forward in one solid train over the Northern Proad. This is the third air compressor of the Rand make that the La Mine is running. The capacity of the big machine is forty drifts: mine at present is running about twenty-eight, all of the Rand 1 Giant type.



Regina Gold Mine (Lake of the Woods). Underground workings at 30th November.