740 ft. there is evidence of faulting, and at 754 ft. another slide was met with, striking north and dipping to the east. At 754 ft. the eastern boundary of the lode formation, through which a distance of 137 ft. had been driven, appears to have been reached. Whilst drilling in the face at 758 ft. water was tapped in sufficient quantity to increase the flow beyond the capacity of the pumps. No. 3 winze was sunk a further 56 ft. below No. 3 level; the eastern wall of the lode is exposed. Assays from 146 ft. to 200 ft. varied from 8s. 6d. to £1 9s. 3d. per ton for a width of 42 in. A crosscut at 200 ft. exposed both walls. The lode is 15 ft. wide: the values obtained were: First 5 ft. from east wall, 17s. 6d. per ton; second 5 ft. from east wall, 2s. 4d. per ton; third 5 ft. from east wall,

7s. 3d. per ton.

A drive south of the winze at 200 ft. below No. 3 level was driven 7 ft. along the east wall of the lode, and gave the following values: At 4 ft. south of winze, £2 0s. 6d. per ton; at 7 ft. south of winze, £2s. 4d. per ton.

This winze has been enlarged and retimbered to a depth of 200 ft. in order that larger buckets may be used for the haulage of the rock, and also to enable the workmen to be raised and lowered instead of using the ladders. A suitable winch has been secured and placed in position at the winze.

The March the volume of water from Muir's crosscut increased until it was more than the electric pumps could

A suitable winch has been secured and placed in position at the winze.

In March the volume of water from Muir's crosscut increased until it was more than the electric pumps could handle, and the air-driven Cameron pumps, which were previously used during shaft-sinking operations, were installed to give additional pumping-capacity. During May there was rarely less than 30 in. of water on the floor of the chamber 500 ft. down the shaft, and work was subject to constant interruptions, due to irregularity of the electric-power supply and trouble with pumps and motors. A stationary electric pump was put into commission early in November, being supplied by one electric sinking-pump only; a second electric sinking-pump was put into operation a few days later, and the three pumps gave a satisfactory trial run. It then became necessary to lower the sinking-pumps to follow the receeding water. While carrying out this operation an accident occurred which resulted in the cable-winch on the surface, and also the electric cable which supplied power to the motor of the pump, being disabled and rendered practically useless. The pumps were brought to the surface, and all work suspended pending negotiations for the purchase of a more efficient pumping plant. pending negotiations for the purchase of a more efficient pumping plant.

Copper-mining.

Rushine Copper-mines Syndicate.—A considerable amount of surface prospecting-work was done during the year, including a tunnel which was driven for 250 ft. The results, however, proved most disappointing. It is now proposed to clean out and retimber the old low-level tunnel, put in by Mr. Tansy some years ago, in which it is reported the lode contained high-grade copper-ore. Seven men have been kept constantly employed.

Quicksilver-mines.

Mount Mitchell Mercury-mine, Puhipuhi.—The only mining operations carried out during the year have been surface prospecting and driving a level for 50 ft. for the purpose of proving conditions below a promising surface outcrop. The results, however, showed no improvement.

New Zealand Quicksilver-mine, Puhipuhi.—No work has been done in this mine during the year.

Rising Sun Quicksilver-mine, Puhipuhi.—No work has been done in this mine during the year.

Oil-wells.

Rising Sum quickstater-mine, Puliphit—No work has been done in this mine during the year.

Oil-well.

Tarasaki Oilfields (himited).—The various wells, plant, and buildings formerly owned by the Taranaki Oil bevelopment Company (Limited) have been taken ever by this company.

No. i Well, Tarata: On 31st January, 1926, this well had peaded a depth of 4:15 ft. Drilling was continued through the same class of material that had been found higher up—namely, a self shale, varying in color from grey to blue. The \$\frac{8}{2}\$ in, easing was run down to 4,167 ft. and at this deepth it was self shale, varying in color from grey to blue. The \$\frac{8}{2}\$ in, casing was run down to 4,167 ft. and at this deepth it was exceeded. Unfortunately, a satisfactory when the menurity of the white circumstances much better progress can be expected. Unfortunately, as satisfactory shale was not deleted. After allowing the cement to set an effort was made to lower the level of the water in the well by bailing, but after the depth was lowered to a considerable extent the water came in again. It was the considered more advantageous to continue drilling at a comparatively slow rate with the well full of water, rather than to incur the delay involved in withdrawing the casing and resetting it in cement. It seems likely that, consider more advantageous to continue drilling at a comparatively slow rate with the well full of water, rather than to incur the formation at the point where the string of casing was set, the water under the heavy pressure forced its way through the ground behind the cement.

No. 2 Well, Motaroa: Actual drilling of this well commenced on the 11th February and has now reached a depth of \$4.80 ft. A certain amount of difficulty was experienced in greting through the first 200 ft. or so, owing to the presence of hard boulders set in soft material, which had the effect of deflecting the tools. At \$30 ft. a good idle for a day. Apart from some minor troubles, no further incident of note occurred until 3rd June, when at th