New Zealand Talisman Mine (New Zealand Talisman Gold-mining Company, Limited, owners).—The land occupied consists of a special claim of 60 acres, a machine-site on which the crushing plant is erected, and a special site on which a building has been erected containing a number of the vats used for the cyanide process. The reef, which hitherto has yielded the chief gold-producing quartz, has been well developed; six different levels have been driven, and communication effected by winzes and uprises, which open up the various blocks of reef between No. 6 level and No. 1 level, and a fresh adit is being driven 120 ft. below No. 6. The situation of the claim is most favourable for economical working, the precipitous character of the country affording the opportunity of working from the surface by a succession of adit levels. The No. 7 level, which is the deepest, is 120 ft. below No. 6, the height of the others being—from No. 6 to No. 5, 115 ft.; No. 5 to No. 4, 104 ft.; No. 4 to No. 3, 80 ft.; No. 3 to No. 2, 290 ft.; No. 2 to No. 1, 70 ft.; and the average depth of the No. 1 level is 215 ft. from the surface. The height of No. 7 level above the level of Waitawheta Stream is about 600 ft., and there is therefore a total height of nearly 1,400 ft. from datum to the surface above No. 1 level. The reef, which averages 3 ft. 6 in. in width, consists of quartz having a wavy appearance, flinty and crystalline in character, and of a hard nature. Considerable difficulty was at first experienced in obtaining a satisfactory extraction of the gold contained. There is every indication of the reef extending downwards, and this will shortly be proved as far as No. 7 level is concerned. The entrance to No. 7 is in the Woodstock Company's ground, and 750 ft. must be driven before the boundary of the Talisman is reached; this, it is anticipated, will take 200 ft. further driving to complete. The quartz is conveyed from the mine to the battery by a wire tramway across the Waitawheta Gorge. At the mill a new revolving oredrying furna

To face page 68, C-3.]