

reducing liability to block. The gold is saved in the open tail-race leading to the tunnel. Longitudinal steel rails and Aspinall's patent heart-shaped riffles are used; that they are effective is proved by the tunnel having been washed up several times when the quantity of gold won did not pay for the labour expended. Two men employed.

Skipper's Sluicing Company, Londonderry Terrace, Skipper's (William McPherson, manager).—(24/4/1901): The tunnel tail-race being blocked, all hands were employed laying pressure-pipes down the first rise to enable water being turned on to the block. The water was turned on and the block successfully removed during the afternoon shortly after my visit. The manager intends to reduce the several right angles in the tunnel rises, and, the paddock (as now opened up) being large enough to enable stones being stacked, it is anticipated that the liability to block will be minimised. The face of the claim (which is about 140 ft. in vertical height) will also be given more batter by running top stuff off first. The water-supply is brought in from Skipper's Creek, the race being five miles in length. Six deep intervening gullies necessitated siphons being used, the longest of which, over Skipper's Creek, is 1,760 ft. in length, the diameter of the pipes being 28 in. Two storage-dams have been made, from which the water is taken into the claim by 1,000 ft. of 11 in. pipes; vertical pressure, 150 ft. Two 5 in. nozzles are used alternately in breaking down the face. The gold-saving boxes are laid in the tunnel tail-race. They are 350 ft. in length and 3 ft. wide. Longitudinal iron rails set in frames, and held in position by side pieces, are laid on top of scrub in the boxes for gold-saving. Six men employed.

Robert Johnston, Pleasant Creek Terrace, Skipper's.—(24/4/1901): A large paddock has been sluiced away on the stony end of the claim. Water-supply being plentiful, the whole of the terrace is being sluiced away. Water is turned over the working-face from an iron box shoot, and, having a fall of 100 ft., good work is done thereby. Canvas hose is used in the claim, the owner preferring it to iron pipes, being more easily handled. The hose is well tarred before use, and is said to last from three to four years. Two men employed.

Davis Bros., Stony Creek Terrace, Skipper's.—(24/4/1901): Terrace claim on west bank of Shot-over River; face, 150 ft. high. Alluvial deposit being sluiced away to the reef up the ancient river-bed. Water-supply obtained from Stony Creek. 1,000 ft. of iron pipes in use. Four men employed.

E. Sainsbury, Maori Point.—(25/4/1901): Ground-sluicing. Water brought in from Maori Gully; race, two miles long; 100 ft. of 11 in. and 200 ft. of 9 in. diameter pipes laid over the face. Two men employed.

J. Quin, Wire Rope Terrace, Maori Point.—(25/4/1901): Driving out a bit of old ground left in former years, not being then considered rich enough to work. One man employed.

Maori Point.—(25/4/1901): Two Chinese are bringing in water from Wire Rope Gully, intending to sluice Boomerang Terrace, which was only partly worked in former days. Two men employed.

J. S. Collins and Son, Maori Point, near Deep Creek.—(25/4/1901): Sluicing claim on Blue Jacket Terrace; also Smith's jet pump in the river-bed claim when favourable. Water brought in from Quin's Creek. The race is one mile long, and 1,500 ft. of pipes 9 in. in diameter are laid to the river claim and siphoned across the Shotover. A vertical pressure of 375 ft. is obtained. The river claim averages 12 ft. in depth, and coarse gold is found principally in wash in crevices from 3 ft. to 6 ft. deep in places by 18 in. to 5 ft. wide and up to 90 ft. in length. Messrs. Collins are well satisfied with their recent returns. Three men employed.

John McCorron and Party, near Long Gully, Shotover.—(25/4/1901): River and beach claim. River wing-dammed, and Californian pump used for unwatering paddock. Three men employed.

Thomson and McLeod, Mouth of Long Gully, Shotover.—(25/4/1901): River and beach claim. A new race just finished is two miles long; will carry water from Long Gully Creek to the river-bank above claim. Smith jet pump to be used; pipes now being laid. Two men employed.

Ward and Smith, below Long Gully, Shotover.—(25/4/1901): River claim. Smith jet pump used. 1,000 ft. of 9 in. and 7 in. diameter pipes; pressure, 200 ft. head. Two men employed.

Reisster and Price, Shotover.—(25/4/1901): Turning and wing-damming river-bed. A water-wheel pump is used in the paddock. Four men employed.

J. McCormack, Shotover.—(25/4/1901): Beach-combing. One man.

Lynch, Kelly, and Party, Shotover.—(25/4/1901): Turning and wing-damming river. Spear and Californian pump used. Four men employed.

Durie, Shotover.—(25/4/1901): One man.

J. Kapatzo, Moke Creek.—(25/4/1901): One man.

Smith Bros., Shotover.—(25/4/1901): Turning and wing-damming river. Californian pump used. Three men employed.

A. Murdoch, Deep Creek, Shotover.—(25/4/1901): Canvas hose turning water over the faces. One man.

John Bolderson, Deep Creek, Shotover.—(25/4/1901): Canvas hose turning water over the faces. One man.

NEVIS.

Our Mutual Friend Hydraulic Sluicing and Elevating Company, Nevis (Masters and Adie).—(30/4/1901): Elevating 35 ft., and following lead into flat on reef-bottom. Care exercised in working where face high on the edge of the terrace. Four men. (28/11/1901): Six heads of water used for working the elevator, which is lifting 40 ft. The run of boxes for gold-saving is 108 ft. in length.

Keep-it-Dark Gold-mining Company, Galvin's Terrace, Nevis (J. H. Robertson, manager).—(1/5/1901): Not working at present, awaiting the arrival of a Tangye pump from Dunedin, the water-inflow being too heavy for the pump in use. The shaft is 90 ft. deep to bottom of wash. No driving has yet been done.

Robertson and Party, Nevis.—(30/4/1901): Eight heads of water are brought in three miles. The bottom (reef) has ceased dipping, and is running level under the terrace. Face, 30 ft. high; elevating, 40 ft. Four men employed.