

All roads in Apia and vicinity were maintained, water-tables cleaned, and numerous concrete culverts installed. The road from Mulinu'u to Sogi was surfaced with coral for a distance of 73 chains, and 12½ chains of protective stonework carried out to stop erosion by the sea. Ifi Ifi Street was surfaced with coral and afterwards sealed with bitumen for a distance of 14 chains. In order to allow transportation of material for the hydro-electric scheme, 10 chains of road were formed and metalled at Magiagi, and the Aloa track repaired for a distance of 30 chains.

Minor repairs to roads in Savai'i at Faasaleleaga, Safotu, and Manase were carried out, in addition to which tools were issued by the Resident Commissioner to the Faipule at Vaisala for roadwork in that vicinity.

APIA WATER-SUPPLY.

No extensions to the system were made during the year, owing to an increased demand for connections within the reticulated area and waste in Native villages. It was necessary to prosecute offenders. The demands on the supply have been particularly heavy owing to the number of Natives who have congregated in Apia during the political unrest. Owing to malicious interference with valves, the public have at times been inconvenienced. It has been difficult to detect the offenders. The mains have been sluiced out periodically, all fire-plugs inspected, and the intake cleaned out regularly. A 2½ in. main near the Customhouse was lifted, and new connections made to the 4 in. main. Thirty-six connections to the mains were made during the year, included in which were twelve connections for the village of Vaiala. The 4 in. main serving the residents and villages to the east of the Vaisigano River was broken during the flood already referred to. Temporary repairs were effected. A break-pressure tank was erected on the Vailima supply in order to cut down the excessive pressure on the lower portions of the system. The mains on the high levels of the Apia system were connected to the Vailima supply, to provide a better service and ease the demand on the Apia mains. Owing to malicious interference with valves, slight inconvenience has been caused to consumers.

Fire Pressure and Equipment.—The average day pressure on the Apia supply is 90 lb. to the square inch, and the night pressure 120 lb. to the square inch. Fire-plugs are located at convenient points in the main business portion of the town, and receive constant attention. In the suburbs the fire-plugs are located at practically all street intersections. Fire-fighting equipment includes 2,000 ft. of 2½ in. hose, four single hydrants, one double hydrant, adjustable jets, hose-reel, and manual pump with hose. In addition, the New Zealand Reparation Estates have 250 ft. of 2½ in. hose and single hydrant. The Casino, Central Office, and Central Hotel are also equipped with hose, and fire points contained within the buildings mentioned.

WHARVES.

The new Customs Wharf was completed, the work being carried out by contract. Notwithstanding difficulties met with at the commencement of the work on the foundations, the wharf was completed within the estimated cost, and is now in constant use. Where previously it was only possible to work one coastal boat at a time, the new wharf accommodates at least six. Cargo is handled much more expeditiously, and lighters are able to work at all tides. The wharf is built in mixed Australian hardwoods, being 205 ft. long by 35 ft. wide. All piles are protected by reinforced-concrete sleeves, and owing to the foundation met with all of them were cradled. The shelter originally allowed for was dispensed with, and the bulk of the material used on the new export shed. Reinforced-concrete piles for defining passages were made for the Harbour Department, and a 4 in. water-main installed on wharf for filling water-lighter.

SEA-WALL.

The foundations of the sea-wall in the vicinity of the Tivoli Wharf were taken down to a secure foundation for a length of 150 ft. on the eastern side and 100 ft. on the western side. A reinforced-concrete groin 33 ft. long was constructed on the eastern side of the Tivoli Wharf, and has successfully accomplished its purpose by preventing erosion of the beach.

STREET-LIGHTING.

Electric street lights were extended to Mulinu'u, and a slight re-arrangement of lights on the main beach-front was made.

SANITATION.

The collection of rubbish in Apia, the maintenance of rubbish-dump and street-sweeping continue to be carried out by contract quite satisfactorily. Natives' conveniences in Apia have been periodically inspected, and fly-proof privies were supplied to four Faipules, in addition to which numbers of concrete fly-proof privies have been supplied to planters, missions, and Natives.

CEMETERIES.

A new fence was erected round the soldiers' graves at Mulinu'u. Gates and fences were repaired at Vaimea. Water-supply connections to Magiagi and Ifi Ifi cemeteries were made, and signposts made and erected.

NATIVE WATER-SUPPLIES.

Falelatai.—This piped gravitation supply was completed early in the year. The water is obtained from a large spring in the hills, and is not likely to be polluted. The old supply was badly laid, and only supplied about two hundred and fifty Natives. The old dam was raised and strengthened, all old pipe abandoned, and a new main laid for a distance of four miles and a half through the following villages: Samai, Falevai, Matanofu, Levi, Matautu, Nofunofu, Pata, Siufaga, and Samatau.