

of underground ducts and 10,160 chains of underground cable containing 39,381 miles of wire; the erection of 5,260 chains of overhead cable containing 5,918 miles of wire; and the erection of 747 miles of pole-line and 7,333 miles of open wire.

In addition, £51,568 was expended in renewing or replacing plant and equipment which had become worn out, inadequate, or obsolete.

#### EXTENSIONS TO CABLING AND SWITCHING SYSTEMS.

The table below shows the exchanges at which extensions to the cabling and switching systems were completed during the year, as well as particulars of the extensions made.

| Name of Exchange.                       | Additions to Cabling Plant.    |                                |                             |                                     | Additions to Switching Equipment. |                       |             |
|-----------------------------------------|--------------------------------|--------------------------------|-----------------------------|-------------------------------------|-----------------------------------|-----------------------|-------------|
|                                         | Underground<br>Ducts<br>added. | Underground<br>Cable<br>added. | Overhead<br>Cable<br>added. | Miles of<br>Cable Wire<br>involved. | Exclusive<br>Line<br>Equipment.   | Party-line Equipment. |             |
|                                         |                                |                                |                             |                                     |                                   | Two-party.            | Four-party. |
| <b>Auckland Engineering District—</b>   | Chains.                        | Chains.                        | Chains.                     |                                     | Units.                            | Units.                | Units.      |
| Aria .. .. .                            | ..                             | 60                             | ..                          | 37                                  | ..                                | ..                    | ..          |
| Auckland .. .. .                        | 461½                           | 1,654                          | 302½                        | 8,751                               | ..                                | ..                    | ..          |
| Avondale .. .. .                        | ..                             | 14                             | ..                          | 35                                  | ..                                | ..                    | ..          |
| Cambridge .. .. .                       | ..                             | ½                              | ..                          | ¼                                   | ..                                | ..                    | ..          |
| Clevedon .. .. .                        | ..                             | 4                              | ..                          | 3                                   | ..                                | ..                    | ..          |
| Devonport .. .. .                       | ..                             | ..                             | ..                          | ..                                  | 40                                | 100                   | ..          |
| Hamilton .. .. .                        | ..                             | 308                            | 128                         | 295                                 | 100                               | 100                   | ..          |
| Helensville .. .. .                     | ..                             | 54                             | ..                          | 92                                  | ..                                | ..                    | ..          |
| Henderson .. .. .                       | ..                             | 107½                           | 237                         | 449                                 | ..                                | ..                    | ..          |
| Herekino .. .. .                        | ..                             | 5½                             | ..                          | 7                                   | ..                                | ..                    | ..          |
| Hikurangi .. .. .                       | ..                             | 56                             | ..                          | 83                                  | ..                                | ..                    | ..          |
| Howick .. .. .                          | ..                             | ..                             | ..                          | ..                                  | 50                                | ..                    | ..          |
| Manurewa .. .. .                        | ..                             | 12                             | ..                          | 6                                   | ..                                | ..                    | ..          |
| Matamata .. .. .                        | ..                             | ..                             | 2                           | 15                                  | ..                                | ..                    | ..          |
| Ngaruawahia .. .. .                     | ..                             | 10                             | ..                          | 6                                   | ..                                | ..                    | ..          |
| Ngatea .. .. .                          | ..                             | 11½                            | ..                          | 16                                  | ..                                | ..                    | ..          |
| Ohaupo .. .. .                          | ..                             | 216                            | ..                          | 230                                 | ..                                | ..                    | ..          |
| Ohura .. .. .                           | ..                             | 42½                            | ..                          | 28                                  | ..                                | ..                    | ..          |
| Ongarue .. .. .                         | ..                             | 5                              | ..                          | 3                                   | ..                                | ..                    | ..          |
| Otahuhu .. .. .                         | ..                             | ..                             | 2                           | ½                                   | ..                                | ..                    | ..          |
| Otorohanga .. .. .                      | ..                             | 274½                           | ..                          | 313                                 | ..                                | ..                    | ..          |
| Paeroa .. .. .                          | ..                             | ..                             | 5                           | 3                                   | ..                                | ..                    | ..          |
| Papakura .. .. .                        | ..                             | 4                              | ..                          | 11                                  | ..                                | ..                    | ..          |
| Papatoetoe .. .. .                      | ..                             | 41½                            | ..                          | 28                                  | 100                               | ..                    | ..          |
| Piopia .. .. .                          | ..                             | 114                            | ..                          | 71                                  | ..                                | ..                    | ..          |
| Putaruru .. .. .                        | ..                             | ..                             | ..                          | ..                                  | 75                                | ..                    | ..          |
| Tauranga .. .. .                        | ..                             | ..                             | ..                          | ..                                  | 100                               | ..                    | ..          |
| Te Akau .. .. .                         | ..                             | 2                              | ..                          | 1                                   | ..                                | ..                    | ..          |
| Te Kuiti .. .. .                        | ..                             | ..                             | 179                         | 111                                 | ..                                | ..                    | ..          |
| Te Puke .. .. .                         | ..                             | 2                              | ..                          | 2                                   | 100                               | ..                    | ..          |
| Towai .. .. .                           | ..                             | ½                              | ..                          | ¼                                   | ..                                | ..                    | ..          |
| Turua .. .. .                           | ..                             | 3½                             | ..                          | 2                                   | ..                                | ..                    | ..          |
| Waipu .. .. .                           | ..                             | 3                              | ..                          | 1                                   | ..                                | ..                    | ..          |
| Waitakaruru .. .. .                     | ..                             | ..                             | 50½                         | 1                                   | ..                                | ..                    | ..          |
| Waiuku .. .. .                          | ..                             | 29                             | 2                           | 34                                  | 90                                | ..                    | ..          |
| Wellsford .. .. .                       | ..                             | 11½                            | ..                          | 12                                  | ..                                | ..                    | ..          |
| Whakatane .. .. .                       | ..                             | 470                            | ..                          | 1,040                               | ..                                | ..                    | ..          |
| Whangarei .. .. .                       | ..                             | 2½                             | ..                          | 2                                   | 50                                | ..                    | ..          |
| <b>Wellington Engineering District—</b> |                                |                                |                             |                                     |                                   |                       |             |
| Blenheim .. .. .                        | ..                             | 47½                            | 321½                        | 748                                 | 100                               | ..                    | ..          |
| Collingwood .. .. .                     | ..                             | 13½                            | ..                          | 25                                  | ..                                | ..                    | ..          |
| Feilding .. .. .                        | ..                             | 3                              | ..                          | 3                                   | 140                               | ..                    | ..          |
| Foxton .. .. .                          | ..                             | ..                             | 1½                          | 1                                   | ..                                | ..                    | ..          |
| Gisborne .. .. .                        | ..                             | 202                            | 233                         | 2,154                               | 40                                | ..                    | ..          |
| Hastings .. .. .                        | ..                             | 10½                            | 32                          | 24                                  | 90                                | ..                    | ..          |
| Hawera .. .. .                          | 160                            | 67½                            | 72                          | 525                                 | ..                                | ..                    | ..          |
| Kaponga .. .. .                         | ..                             | 1½                             | ..                          | 5                                   | 100                               | ..                    | ..          |
| Kelburn .. .. .                         | ..                             | ..                             | ..                          | ..                                  | 400                               | ..                    | ..          |
| Lower Hutt .. .. .                      | 37                             | 72                             | 58                          | 200                                 | 200                               | ..                    | ..          |
| Marton .. .. .                          | ..                             | 79                             | 61                          | 620                                 | ..                                | ..                    | ..          |
| Masterton .. .. .                       | ..                             | ..                             | ..                          | ..                                  | 200                               | ..                    | ..          |
| Miramar .. .. .                         | ..                             | ..                             | ..                          | ..                                  | 200                               | ..                    | ..          |
| Napier .. .. .                          | ..                             | ..                             | 59½                         | 62                                  | ..                                | ..                    | ..          |
| Nelson .. .. .                          | ..                             | ..                             | ..                          | ..                                  | 450                               | ..                    | ..          |
| New Plymouth .. .. .                    | ..                             | ..                             | 70½                         | 103                                 | ..                                | ..                    | ..          |
| Nuhaka .. .. .                          | ..                             | 4½                             | 92                          | 86                                  | ..                                | ..                    | ..          |
| Okato .. .. .                           | ..                             | ..                             | ..                          | ..                                  | 10                                | ..                    | ..          |
| Otane .. .. .                           | ..                             | 58                             | ..                          | 72                                  | ..                                | ..                    | ..          |
| Palmerston North .. .. .                | ..                             | 17½                            | 162                         | 705                                 | 200                               | ..                    | ..          |
| Plimmerton .. .. .                      | ..                             | ..                             | ..                          | ..                                  | 20                                | ..                    | ..          |
| Rai Valley .. .. .                      | ..                             | ..                             | ..                          | ..                                  | 15                                | ..                    | ..          |
| Richmond .. .. .                        | ..                             | ..                             | ..                          | ..                                  | 50                                | ..                    | ..          |
| Taradale .. .. .                        | ..                             | 5½                             | 58                          | 55                                  | ..                                | ..                    | ..          |
| Tolaga Bay .. .. .                      | ..                             | 109½                           | ..                          | 130                                 | ..                                | ..                    | ..          |
| Waipukurau .. .. .                      | ..                             | 1                              | ..                          | 7                                   | ..                                | ..                    | ..          |
| Wanganui .. .. .                        | ..                             | 8                              | 110                         | 149                                 | ..                                | ..                    | ..          |
| Waverley .. .. .                        | ..                             | 5½                             | ..                          | 20                                  | ..                                | ..                    | ..          |
| Wellington .. .. .                      | 279½                           | 1,643½                         | 101½                        | 8,550                               | ..                                | ..                    | ..          |
| Wellington South .. .. .                | ..                             | ..                             | ..                          | ..                                  | 100                               | ..                    | ..          |