

shown on the drawings straight and at right angles ; and in the interpretation of the drawings and schedules, and of this Specification, it shall be distinctly understood that all works or materials necessary to the due and workmanlike completion of every erection are to be provided, whether specially described or not.

CONTRACTOR TO PROVIDE LABOUR, PLANT, AND MATERIALS.

4. The Contractor is to provide all labour, tools, implements, plant, and materials, and is well and substantially to construct and complete the Railway in accordance with the plans and specifications, and to deliver the same complete, and is to maintain and keep the said Railway, and all works connected therewith, in perfect order and repair for the space of three months from the delivery of the same to the Government.

Contractor to provide labour, &c., &c.

The said Railway shall be made in accordance with this Specification, and with the plans and sections herein referred to, or with such modifications of the plans and sections as the Engineer shall order, provided such modifications shall not increase the cost of the work.

FELLING, CLEARING, AND GRUBBING.

5. The whole of the timber within one chain and a half of the centre line is to be felled. Of this extent the central chain is to be cleared by removing all logs and underbrush half a chain from the centre line, and to a greater distance where the formation requires it. Throughout all cuttings and along formations on the level, all stumps and roots are to be grubbed out entirely and removed, so as to leave no loose timber whatever, and no stumps within two feet of formation level along centre or within one foot of the surface in the slopes.

Felling, &c.

The Contractor will be permitted to apply to his own use the timber which he has felled for the purpose of clearing the line.

FENCING.

6. Two miles of the line are to be fenced on both sides ; and wherever present fences are disturbed or interfered with, they are to be made good at the expense of the Contractor. At all crossings of roads, and other places where cattle stops are used, fences are to be completed across the line up to the cattle stops.

Fencing.

The fencing is to consist of post and four rails, the posts to be 6 feet 6 inches long, entirely of heart of black birch, to be sunk eighteen inches in the ground, and securely rammed ; the rails to be split regularly from the tree, to be properly bevelled, free from winding, and to pass completely through the posts one above the other. The whole of the fencing to be of full dimensions and thoroughly substantial—eight panels to go to one chain.

EARTHWORKS.

7. All flax, scrub, rushes, or Maori-heads growing on the line of the Railway, shall be cut down to the full width between the outside of the slopes.

Clearing scrub, &c.

No public or private road that crosses or intersects the Railway or works thereof, shall be obstructed by excavation or otherwise, until the Contractor shall have provided such temporary roads as may be necessary for the traffic.

Roads not to be obstructed.

The cuttings are to have a base at formation level and slopes as shown on longitudinal section, and are to be made in accordance with plan and section attached ; but should the Engineer require any of the cuttings or banks to be made with different slopes or bases from those shown on longitudinal section, the difference in cost shall be added to or deducted from the contract sum. Such alteration to be ordered in writing.

Cuttings.

A drain is to be cut along the bottom of slopes of cuttings, except in rock ; this drain to average 5 cubic feet per lineal yard. Catchwater drains are to be dug above the top of one slope of cuttings, at a distance of from a quarter of a chain to a chain from the top of slopes ; these ditches are to average 5 cubic feet per lineal yard, and are to be true and regular to the inclinations directed ; no stumps or roots to be left in them.

Drains.

The embankments must be carried forward uniformly of the proper shape, with such an addition to the heights and widths as a due allowance for the shrink-

Embankments.