

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. Five miles 67 chains of the line are to be fenced on one side; 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 fence is to consist of posts and four rails (except at the rocky point at 4 miles 18 chains, where approved iron hurdles may be substituted, tied with iron and wedged down to holes in the rock.)

The posts are to be 6 feet 6 inches long, entirely of heart of totara, sound, and of full dimensions, and mortised to receive four rails with mortises 6 in. \times 1 $\frac{3}{4}$ in.; the posts to be sunk 1 foot 9 inches in the ground, and securely rammed; the rails to be good sound rails, of totara, black birch, or rimu, to be free from winding, to be properly bevelled at the ends, and to pass completely through the posts, one above the other, so as to fill the mortises. No rail to exceed 9 feet in length. The fence is to be erected in such line as shall be approved by the Engineer, and is to be made good up to the ends of all bridges and to all slip rail posts at level crossings. The whole to be neatly finished in a workmanlike manner.

At all openings for level crossings along the above fence, two posts are to be erected for each crossing 10 feet apart; the posts to be 8 inches square, of heart of totara, to be 8 feet long, sunk 3 feet 6 inches in the ground, and securely rammed. Each post to have four mortises for slip rails 4 in. \times 2 in. Those on one side to go completely through the post; those on the other side to be 4 inches deep. Four slip rails to be provided, to be finished to a length of 10 feet 8 inches, to be of black birch, 6 in. \times 2 $\frac{1}{2}$ in., reduced at the ends to go freely into the mortises, and bored at one end for $\frac{3}{4}$ in. pins of hard wood.

Slip rails.

Guard baulks 15 feet long \times 6 in. \times 4 in. shall be placed along rails of permanent way.

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.