

and a wire, while traveling across. The guide wires, or the strands in the high position, are only indicated in the ground plan in order not to confuse the drawing. In the elevation they would hang parallel to and a little above the cradle ropes.

The general description given above, shows us that for making a wire cable the following permanent and auxiliary structures, appliances and materials are necessary :

I. Anchorages for attachment and towers for support of the cables.

II. Auxiliary structures and appliances:

1. Means and machinery for taking wires over. Traveling rope, etc.

2. Certain places along the line of the cable, from where the wires can be adjusted. Cradles, etc.

3. Means of access to these cradles. Footbridge.

4. A preliminary, carefully adjusted wire to regulate the others by,-- guidewire.