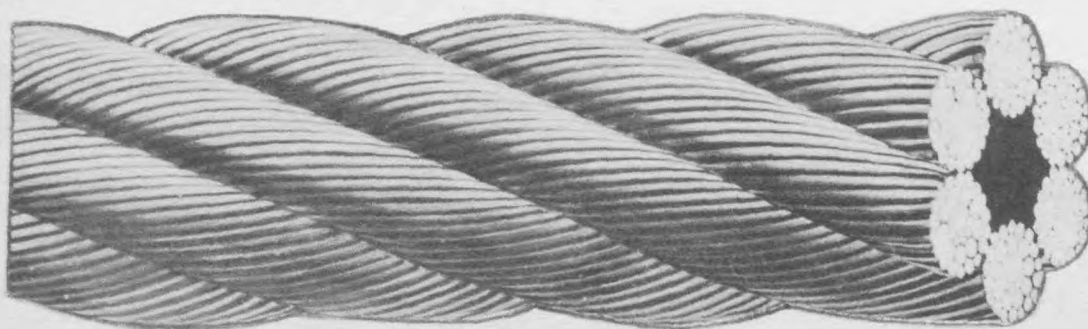


STORIES of New Jersey

that support the George Washington Bridge. After being adjusted to a sag that would distribute the load, the strands were bound together into solid cylinders, each containing 26,474 wires. In addition to the cables there are 35 miles of suspender rope, representing about 10,000 miles of wire. Altogether the wires used in the George Washington Bridge would reach nearly five times around the world. Wire rope and parallel wire cables should not be confused. There is no twist in the cables that sustain bridges as there is in a wire rope.



A Section of Wire Rope Showing Twisted Construction

The Roebling headquarters are in Trenton, where there are two great plants. The main one covers over 35 acres. The second lies a half mile farther south. At the turn of the century, when the company could crowd no more buildings on its Trenton acreage, it established about ten miles below Trenton the town of Roebling, where it owns over 200 acres. All told, there are more than a hundred buildings in the three plants, many of these of immense size and manufacturing capacity, all devoted to making one of the great necessities of this age--wire.

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The George Washington
Bridge Cable