

28153 *Jan*

Copies of Certificates of steel hawsers supplied to
the S.S. "Assyrian Monarch", viz:-

72 Mark Lane, E.C.
London, Oct^r 13th 1880.

We certify that the 120 fms 5" circ. patent Flexible steel wire hawser supplied by us to Earle's Shipbuilding & Engineering Company Ltd., for their S.S. "Assyrian Monarch" will take a Breaking strain of 64 tons; and that the material of which it is composed has been tested by us for strength and ductility, and that the Hawser is made throughout of our Improved patent Crucible Steel wire, specially prepared for Hawser purposes.

The Hawser is composed of one hundred and fifty wires, each of which will take a Breaking strain of not less than 10 cwt. Signed, Bullivant & Co.

72 Mark Lane, E.C.
London, Oct^r 13th 1880.

We certify that the two - 100 fms 3" patent Flexible steel wire Hawser supplied by us to Earle's Shipbuilding & Engineering Company for their S.S. "Assyrian Monarch", will each take a Breaking strain of 18 tons; and that the material of which they are composed has been tested by us for strength and ductility, and that the Hawsers are made throughout of our Improved patent Crucible steel wire, specially prepared for Hawser purposes. Each Hawser is composed of twenty-two wires, each of which will take a Breaking strain of not less than 5 1/2 cwt.

Signed, Bullivant & Co.