

(No Model.)

W. P. HEALEY.  
WIRE ROPE ATTACHMENT.

No. 249,177.

Patented Nov. 8, 1881.

Fig. 1.

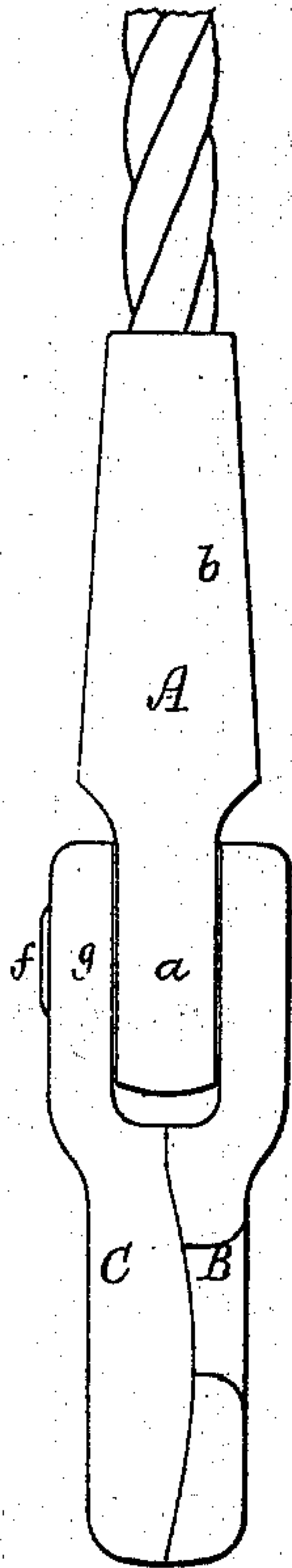


Fig. 2.

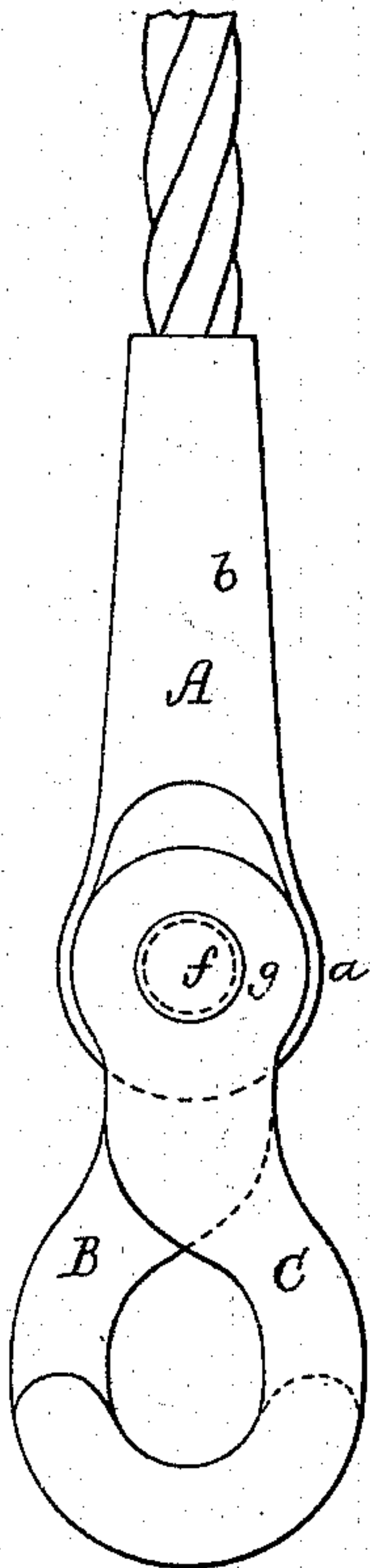


Fig. 3.

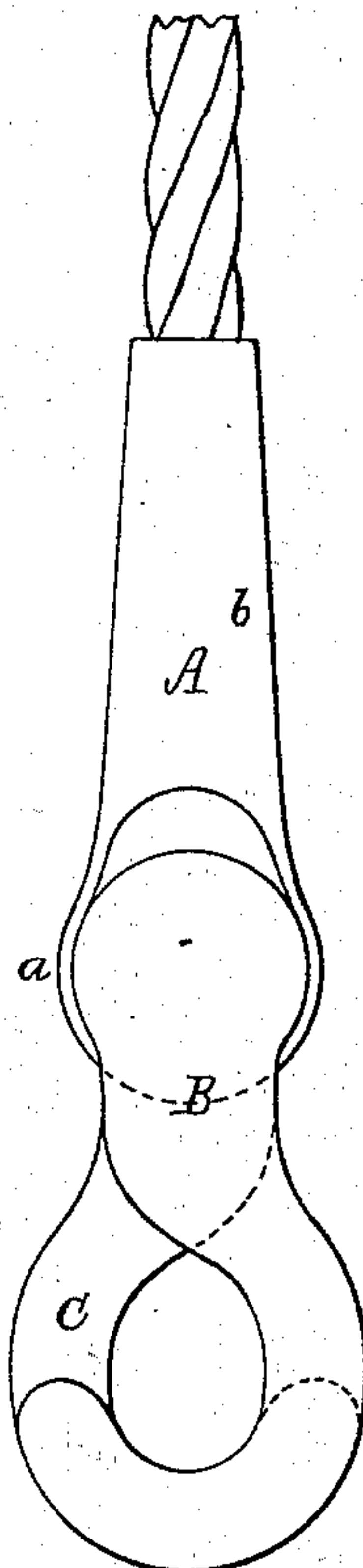


Fig. 4.

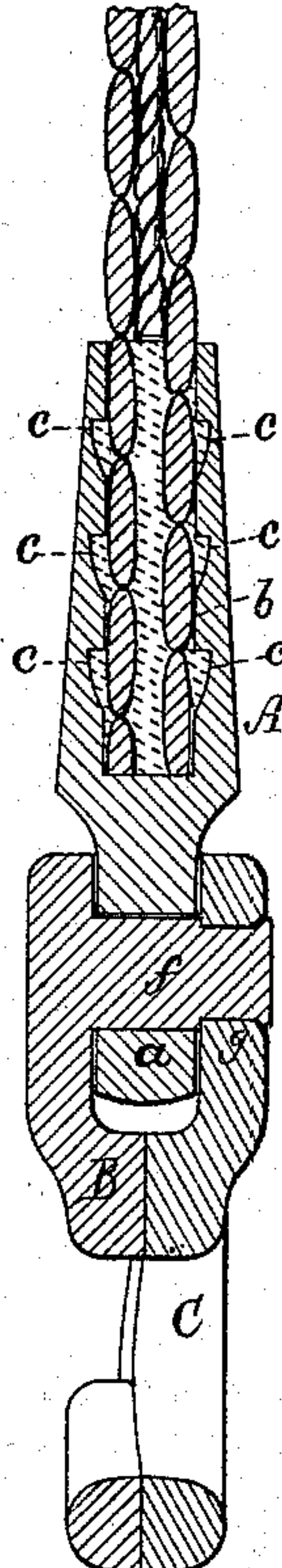


Fig. 5.

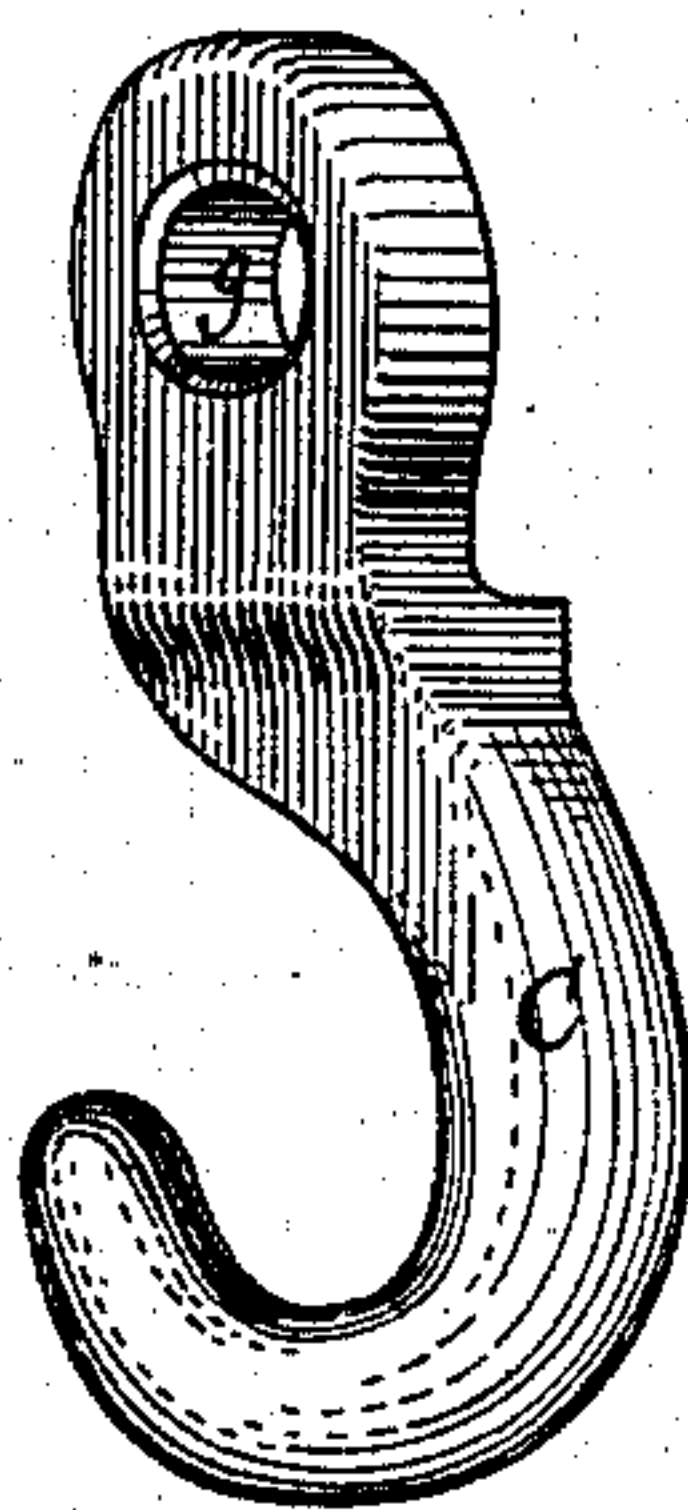


Fig. 6.

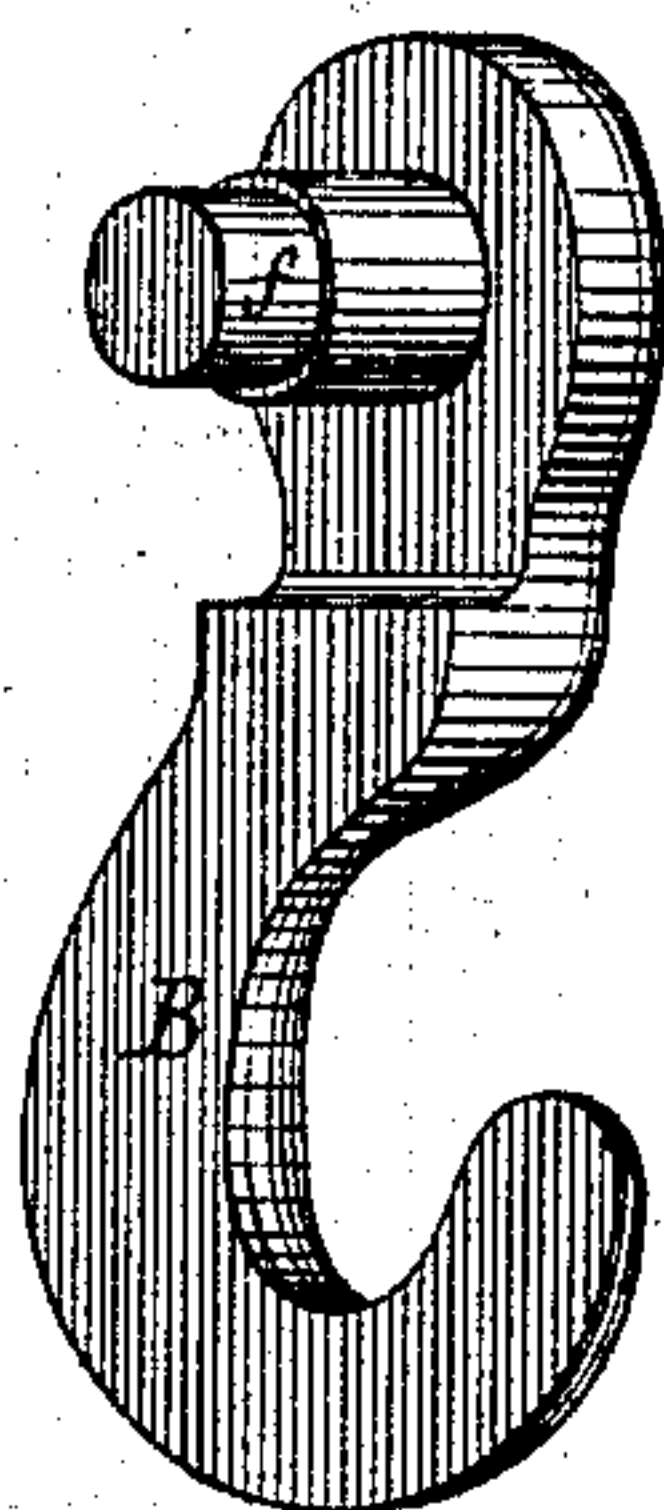
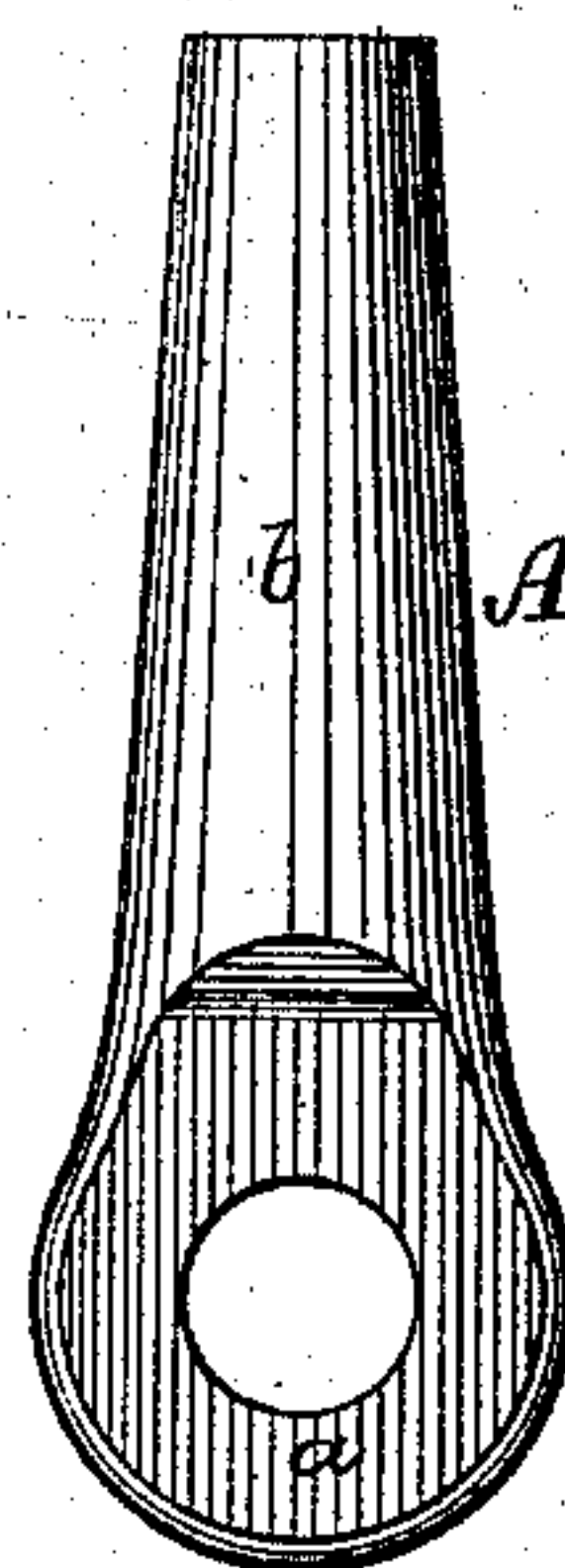


Fig. 7.



Witnesses.

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# UNITED STATES PATENT OFFICE.

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## WIRE-ROPE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 249,177, dated November 8, 1881.

Application filed September 19, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM PICKERING HEALEY, of Somerville, of the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Wire-Rope Attachments; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

10 Figure 1 is a front view, Figs. 2 and 3 opposite side views, and Fig. 4 a transverse section, of one of my improved wire-rope connections and its sister hooks. Figs. 5 and 6 are perspective views of the two sister hooks. 15 Fig. 7 is a side view of the connection.

The said connection, formed as represented at A, has an eye, *a*, at its lower end, and above such eye there is in the connection a socket, *b*, to receive the end of a wire rope. This socket 20 is provided with nicks or indentures *c*, one side of each of which has a face perpendicular, or thereabout, to the axis of the rope. After the rope may have had at its end to be introduced into the socket a portion of its hempen 25 core removed, such rope is to be inserted in the socket to, or nearly to, the bottom thereof, and melted metal is to be poured into the mouth of the socket and around the rope, so as to fill the spaces between the rope and 30 socket and the part of the rope from which the core may have been extracted. The nicks will, on the metal becoming set, prevent it and the rope from being drawn out of the socket.

The sister hooks are represented at B and C, one of them—viz., that marked B—having cast in one piece with it, or fixed in it, in the process of casting it, a bolt or pivot, *f*, for connecting the two hooks to the eye of the socketed connection. This bolt or pivot *f* extends through the eye *a*, and also through another eye, *g*, at the upper end of the sister hook C. The end of the bolt may be upset, or there may be screwed on it a nut to hold the hooks to the connection-pivot and admit of their being turned outwardly away from or inwardly, so as to lap on each other.

While the metal is being poured into the socket of the connection it is better to have such connection in a heated state—that is, at 50 or near the temperature at which the said metal will become fluid.

The inner surface of the socket should be tinned, to enable the holding metal to adhere to the socket to the best advantage. 55

I claim as my invention as follows, viz:

The combination of the nicked and socketed connection with the wire rope, and with the holding metal cast into the mouth of the socket and within and about the rope, all substantially as set forth. 60

WILLIAM P. HEALEY.

Witnesses:

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