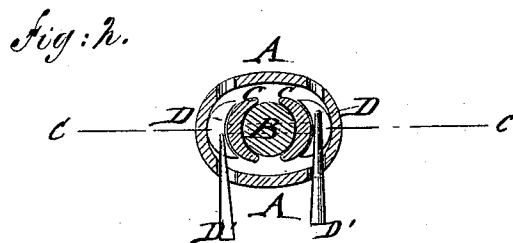
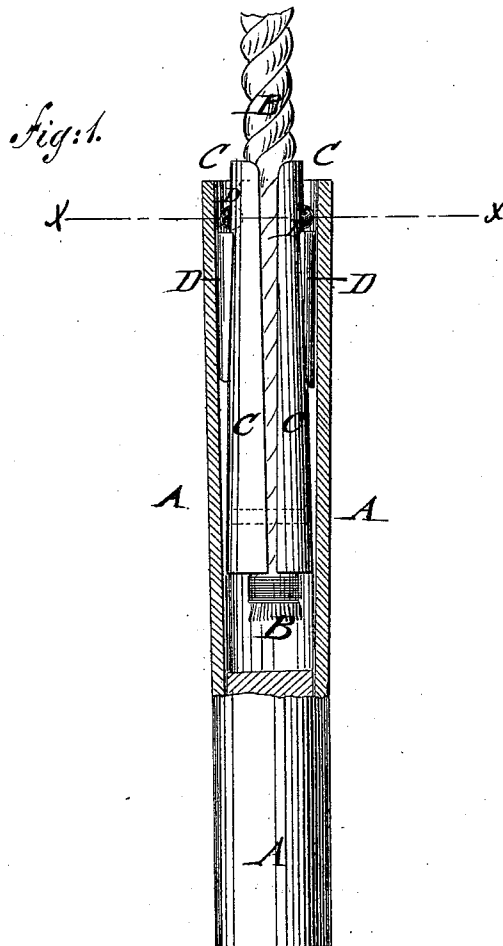


W. H. MCGILL & F. BOWEN.

HAWSER CLAMPS.

No. 179,936.

Patented July 18, 1876.



WITNESSES:

Chas. Nider
John Goethals

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W. H. McGill
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM H. MCGILL AND FREDERICK BOWEN, OF ANGELICA, PA.

IMPROVEMENT IN HAWSER-CLAMPS.

Specification forming part of Letters Patent No. **179,936**, dated July 18, 1876; application filed May 1, 1876.

To all whom it may concern:

Be it known that we, WILLIAM H. MCGILL and FREDERICK BOWEN, of Angelica, Butler county, Pennsylvania, have invented a new and Improved Rope-Socket, of which the following is a specification:

Figure 1 represents a vertical central section of our improved rope-socket on line *c c*, Fig. 2; and Fig. 2 is a horizontal section of the same on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved rope-socket of strong and substantial construction; and consists of wedge-shaped clamp-pieces binding on the rope, and of wedge-keys and pins that lock the clamp-pieces in the socket.

In the drawing, A represents the socket; B, the rope; C, the wedge-shaped or tapering clamp-pieces, that extend along the full length

of the rope in the socket, and are firmly locked to the same by the wedge-keys D, that are driven in between socket and clamp-pieces, and fastened by lateral pins D', passed through guide-holes of the sockets. The rope is thus rigidly fastened to the socket without danger of getting detached therefrom.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

A rope socket composed of the socket A, tapering rope-clamping piece C, fastening wedge-keys D, and pins D', substantially as specified.

W. H. MCGILL.
FREDK. BOWEN.

Witnesses:

Z. NEWELL,
A. WHEELER.