

F. BOWEN.
Rope-Sockets.

No. 156,271.

Patented Oct. 27, 1874.

Fig. 1.

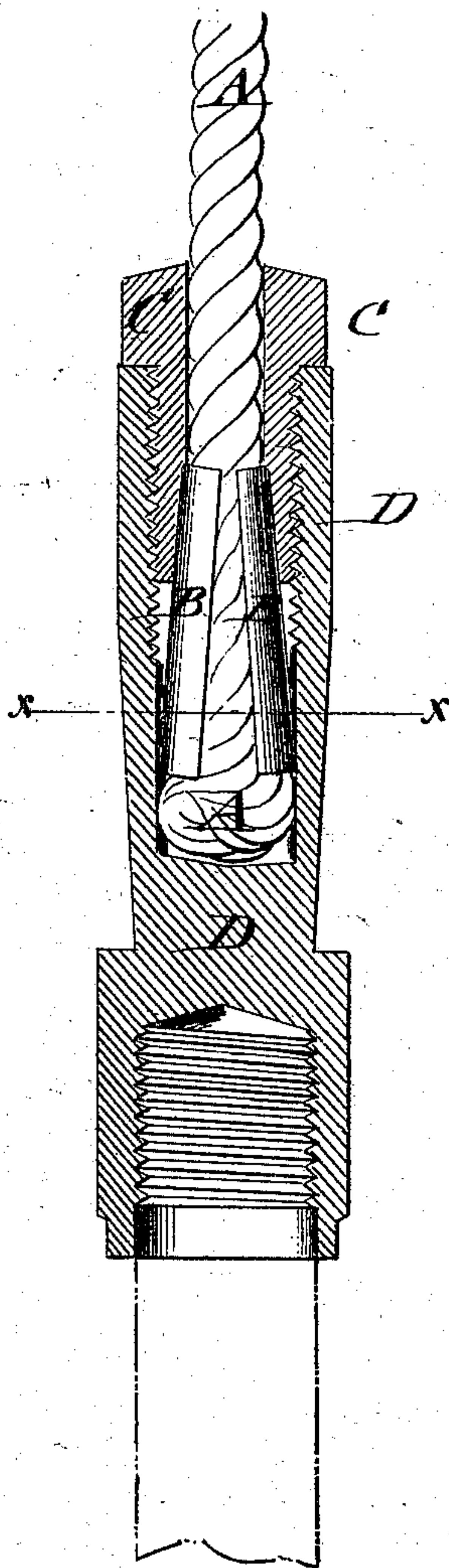
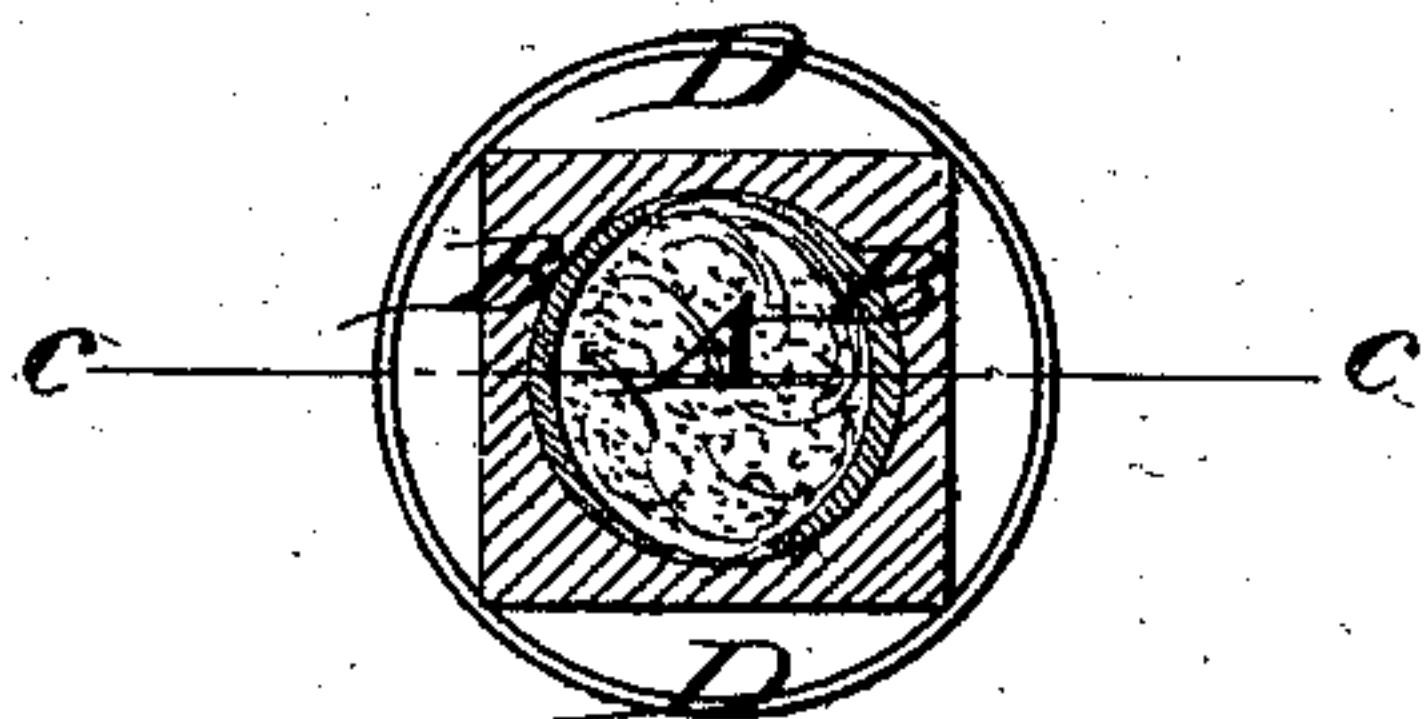


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FREDERICK BOWEN, OF PEACHVILLE, PENNSYLVANIA.

IMPROVEMENT IN ROPE-SOCKETS.

Specification forming part of Letters Patent No. **156,271**, dated October 27, 1874; application filed August 22, 1874.

To all whom it may concern:

Be it known that I, FREDERICK BOWEN, of Peachville, Butler county, Pennsylvania, have invented a new and Improved Rope-Socket, of which the following is a specification:

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

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide an improved rope-socket connection, for hoisting the shafting of oil-wells, &c.

The invention will first be fully described, and then pointed out in the claim.

In the drawing, A represents a strong rope of any suitable material, which is unwound at the end for the purpose of greater expansion.

Conically sleeve-shaped tapering sections B, by preference two, as indicated in the drawing, are applied over the rope so as to adhere thereon with rigid wedge action, by the collar or sleeve C, with projecting shoulder part,

which collar screws into its lower threaded parts either internally or externally over the shaft - connecting piece D, binding thereby firmly the collar part on the sleeve section, and the latter on the rope.

The connecting piece D is then screwed over the end of the shafting, and the same hoisted or lowered in the oil or other well, being applied to the different shaft sections.

The rope is thus attached in strong manner to the shafting, without taking up more space than the diameter of the latter.

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

The coupling or connection D, having a cavity as well as a female screw in each end, and provided with a screw-bolt, C, having a perforation conical at the lower end, as and for the purpose specified.

FREDERICK BOWEN.

Witnesses:

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