

H. BADCOCK.

Rope-Socket for Oil-Wells.

No. 133,290.

Patented Nov. 26, 1872.

Fig. 1.

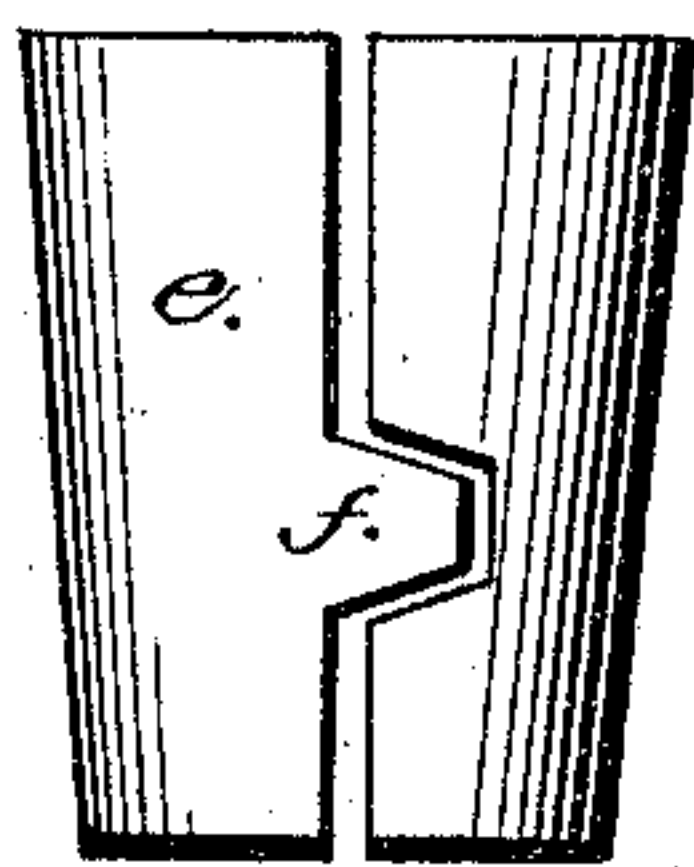
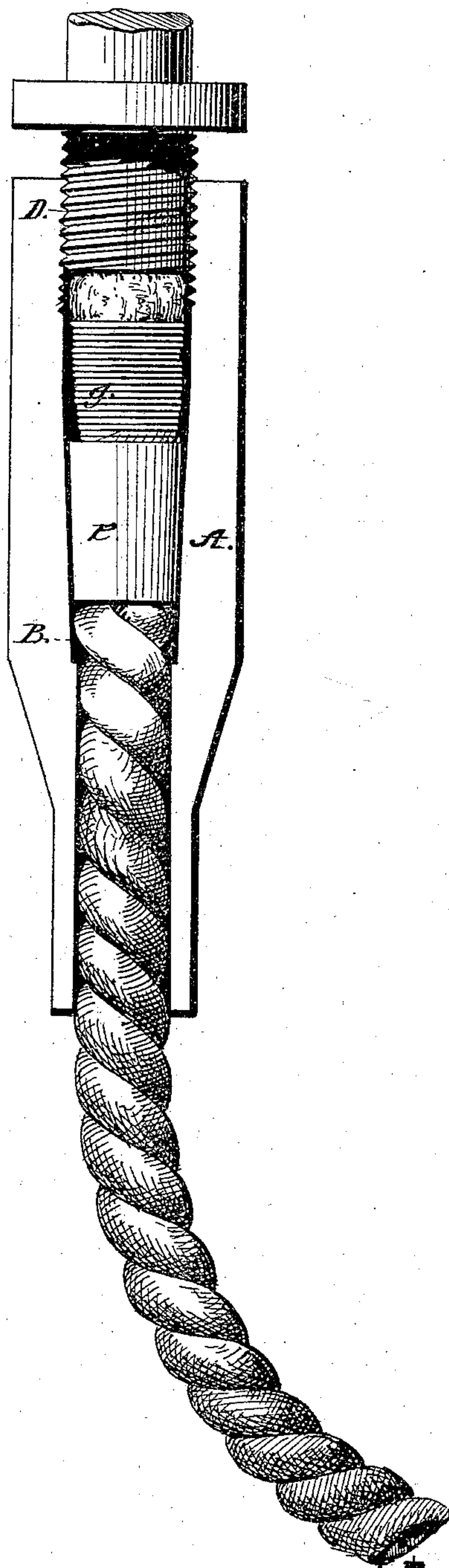


Fig. 2.

Attest;
W. Gardner.
Edw. W. Dunn

Inventor;
Henry Badcock
By *J. J. Johnston & Bro*
his attorneys

UNITED STATES PATENT OFFICE.

HENRY BADCOCK, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN ROPE-SOCKETS FOR OIL-WELLS.

Specification forming part of Letters Patent No. 133,290, dated November 26, 1872.

To all whom it may concern:

Be it known that I, HENRY BADCOCK, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Rope-Socket for Oil-Wells; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention relates to a socket for attaching the rope to tools used in boring oil-wells; and consists of a cylinder having a portion of its bore tapering, to which is fitted a tapering sleeve made in two parts, the upper end of the bore of the cylinder being furnished with screw-threads adapted to the screw-threads of the part of the oil-tool known as the "sinker-bar," or to a screw-thread made on the "swivel-link," said cylinder, sleeve, and screw on the "swivel-link" or "sinker-bar" being combined with a wrapping on the end or ends of the rope, for the purpose of forming a secure attachment of the rope to the "swivel-link," "sinker-bar," or other parts of the tools used in boring oil-wells.

To enable others skilled in the art to make and use my invention, I will proceed to describe more fully its construction and operation.

In the accompanying drawing which forms part of my specification, Figure 1 is a vertical section of my improvement in rope-socket. Fig. 2 is a side view of the sleeve which forms part of the rope-socket.

In the accompanying drawing, A represents

a metal cylinder having a portion of its bore B made tapering, the upper ends of the said bore being furnished with screw-threads, to which is fitted the screw D of the swivel-link, sinker-bar, or the screw of other parts of oil-tools. *e* is a tapering sleeve made in two parts, having a dovetail, as indicated at *f*, for holding the parts in juxtaposition. The taper of this sleeve corresponds to the taper in the bore of the metal piece A. The end of the rope is passed through the bore of the cylinder A, and is then wrapped with twine or other suitable material, as indicated at *g*. The sleeve *e* is then placed around this wrapped portion of the rope, and the rope and sleeve drawn down in the taper portion of the bore. The screw D, pressing down on the end of the rope and on the end of the sleeve, will force the rope and sleeve down in a tapering bore of the cylinder A so as to cause the sleeve to press against the sides of the wrapped portion of the rope, thereby holding it firmly and securely in the cylinder A, thus forming a sure attachment of the rope to the swivel-link, sinker-bar, or other parts of oil-tools.

Having thus described my improvement, what I claim as of my invention is—

The combination of the cylinder A, tapering sleeve *e*, and screw D with the wrapped end of the rope, substantially as herein described, and for the purpose set forth.

HENRY BADCOCK.

Witnesses:

A. C. JOHNSTON,
JAMES J. JOHNSTON.