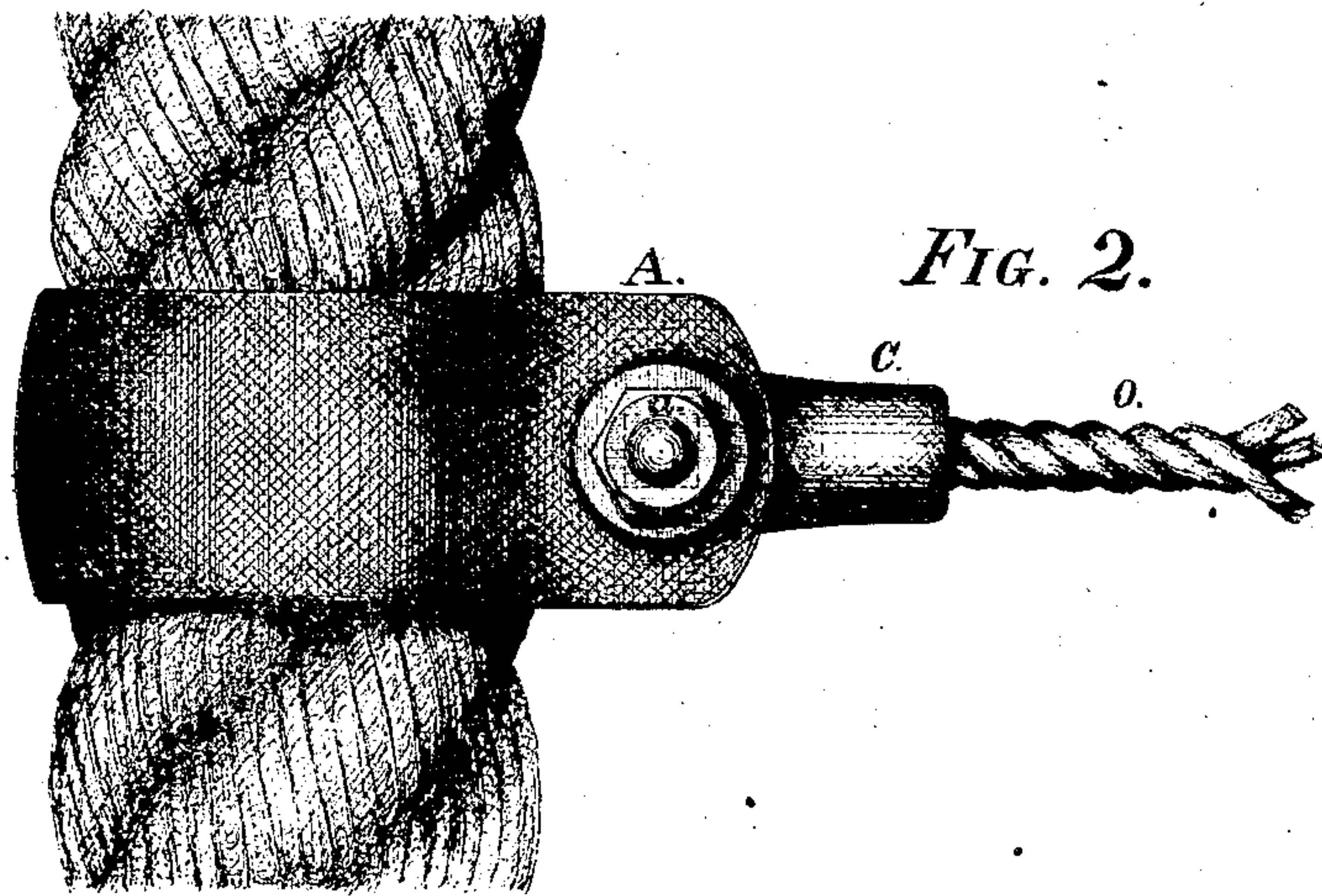
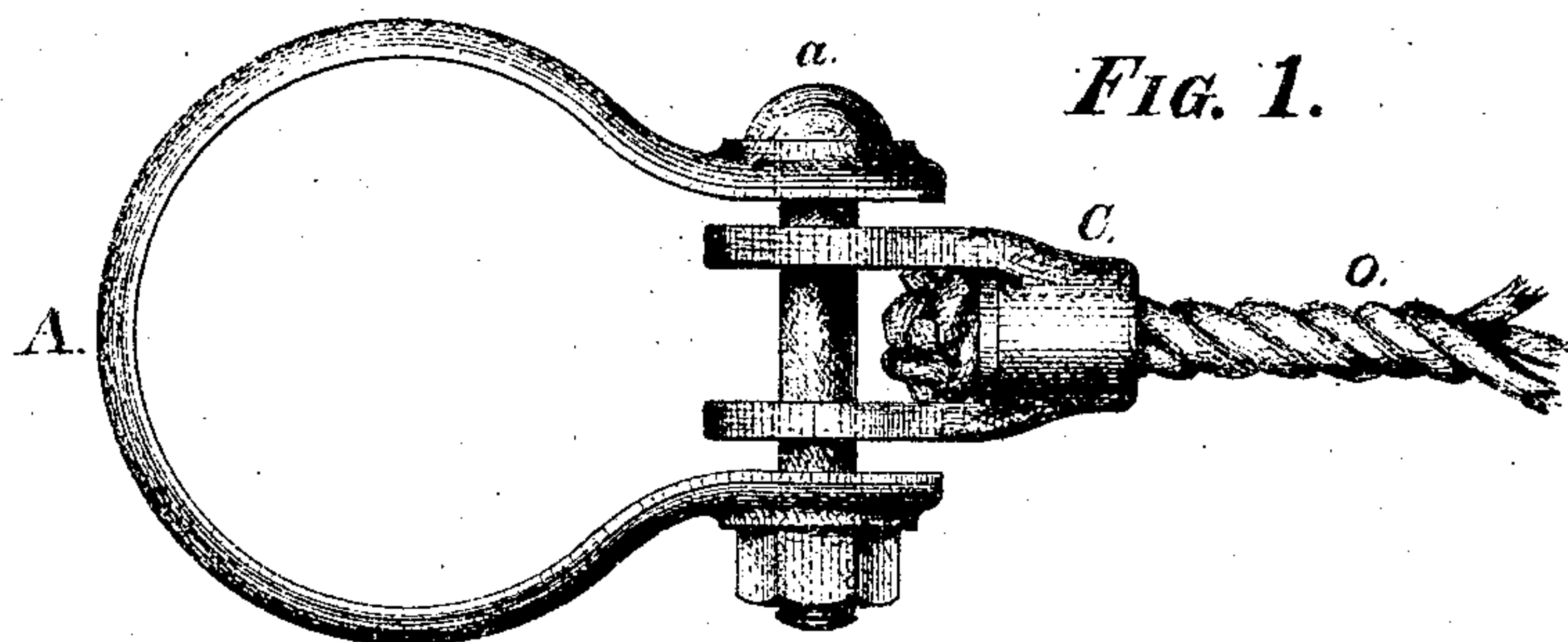


Joseph P. Manton's

Improved Ratlin - Clamp, and Connection.

116848

PATENTED JUL 11 1871



Witnesses.

Geo. H. Remington,
J. Russell Field

Inventor.

Joseph P. Manton.

UNITED STATES PATENT OFFICE.

JOSEPH P. MANTON, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN ATTACHMENTS FOR RATLINS.

Specification forming part of Letters Patent No. 116,848, dated July 11, 1871.

To all whom it may concern:

Be it known that I, JOSEPH P. MANTON, of Providence, in the county of Providence and State of Rhode Island, have invented a certain new and useful Improvement in Ratlins and Clamps and connections for them; and do hereby declare the following to be a full and correct description thereof, reference being had to the accompanying drawing making part of this specification, and to the letters and numbers of reference marked thereon, similar letters and numbers being used in all the figures to denote the same part.

This invention consists in combining a clamp to clasp the shroud with a socket-strap to attach the rope or chain to that forms the ratlin, the ends of the strap being put between the ears of the clamp and held by a bolt that passes through both and closes the clamp around the shroud.

Figure 1 shows a top view of the devices. Fig. 2 is a front elevation of the same applied to a section of a shroud.

A is the clamp, which may be made of iron, bronze, or other suitable material, and should be of proper size to just slide over the shroud D when the bolt *a* is not screwed up tight. C is a socket-strap or connection, which may be made of the same material as the clamp. It has a hole near each end to receive the bolt *a*, which is provided with a screw-nut on one end to draw the

ears of the clamp together. A hole or socket is made in the middle of the strap C, through which the end of the ratlin O is put and knotted on the inside between the two arms of the strap, the edges of the hole through which the ratlin passes being rounded over to prevent the ratlin from chafing.

The manner of application is well shown in Fig. 2, where it is represented as applied to the shroud, the nut on the bolt *a* being screwed up so as to close the clamp tight to the shroud. The strap C, being free to turn on bolt *a*, will accommodate itself to the position of the ratlin when the latter is depressed, so as not to cause it to draw hard over the strap end, and thus prevent it from wearing off at that place.

Some of the advantages derived from this improvement are durability, security, facility of application, and saving of time over the old plan of seizing each ratlin to its place, as these may be kept on hand ready made and applied at short notice.

I claim—

The combination of the clamp A, socket-strap C, and ratlin O, substantially as and for the purpose specified.

JOSEPH P. MANTON.

Witnesses:

J. RUSSELL FIELD,
BENJAMIN ARNOLD.