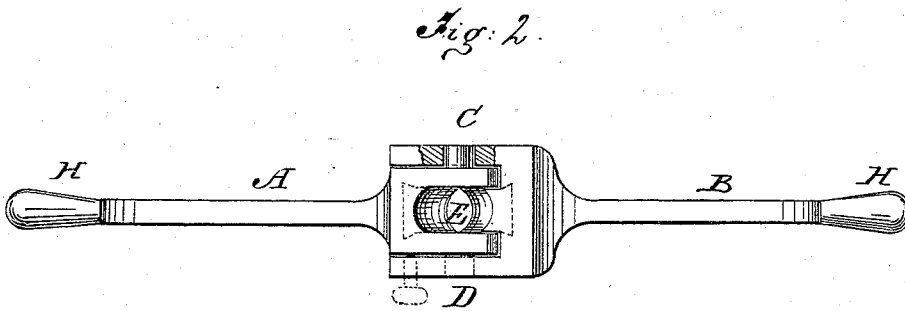
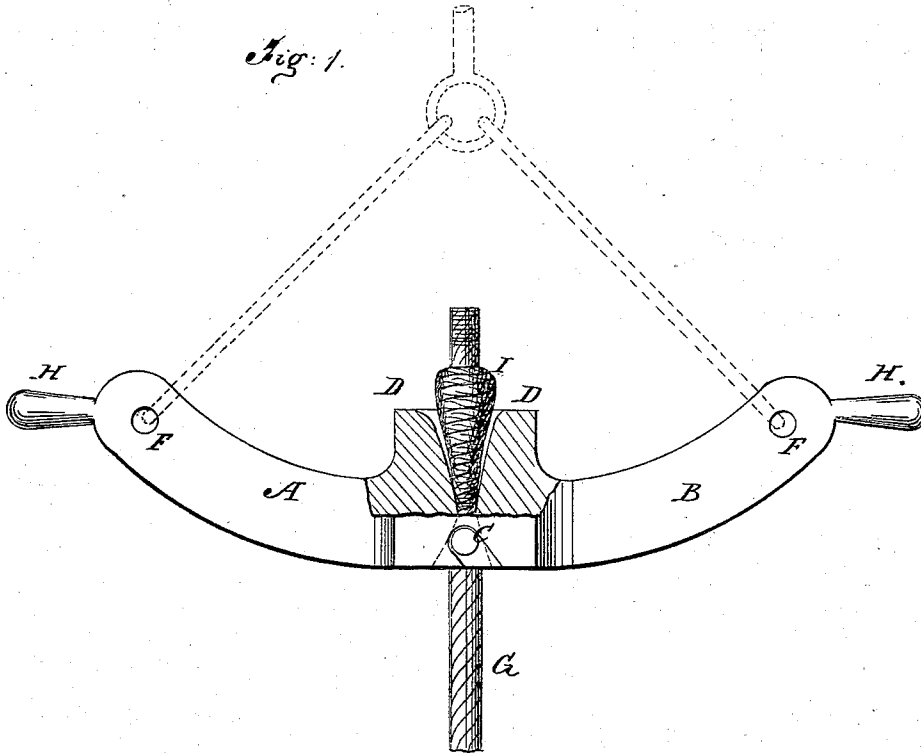


Rope-Clamps.

No. 148,148.

Patented March 3, 1874.



WITNESSES:

WITNESSES:
Chas. Nida
Sedgwick

INVENTOR:

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JONAS P. SMITH, OF PARKER'S CITY, PENNSYLVANIA.

IMPROVEMENT IN ROPE-CLAMPS.

Specification forming part of Letters Patent No. 148,148, dated March 3, 1874; application filed December 1, 1873.

To all whom it may concern:

Be it known that I, JONAS P. SMITH, of Parker's City, in the county of Armstrong and State of Pennsylvania, have invented a new and useful Improvement in Rope-Fastener, of which the following is a specification:

This invention relates to apparatus used in boring artesian wells and others; and consists of a self-acting hinged fastener for clamping and holding the rope or cable, constructed as hereinafter described.

In the drawing, Figure 1 is a side view of the fastener, partly in section, showing it as when in use. Fig. 2 is a top view.

Similar letters of reference indicate corresponding parts.

This fastener is composed of two parts, A and B, hinged together, by means of pins C, in the middle and near the lower side of the fastener. The central portion D of the fastener is a box, in the center of which is a vertical hole or throat, E, for the rope. To form the box D, the two central parts of A B slip together, the hinge-pivots being on the part A, which passes through slot-holes in the sides of the part B. The central hole or throat E is formed of two arcs of circles, (one in each of the parts,) arranged so that when the central parts are drawn together the flattened sides of the hole will approach each other and clamp the rope. As seen in Fig. 1, the fastener is suspended from above by rods or links (seen in dotted lines) attached at the points F F. G is the rope or cable which is held, and which is supposed to sustain a weight and pull down-

ward with more or less force. The parts A B, with their upwardly-projecting central portion, act as bent levers, the joint-pin C being the fulcrum, and their action is to gripe or compress the cable, and hold it when there is a downward pull. H H are handles. The suspending ropes or links are connected with a temper-screw. (Seen in dotted lines.) I represents wrapping on the cable.

The parts A B are readily separated by slipping the pin C from the slot-holes.

In using the fastener, the operator bears down upon the handles H H, which throws up the central portion D, and enlarges the hole or throat to the size of the rope or cable.

When the cable is attached and the parts allowed to drop, the communication is complete.

When the holder is in use, the two parts are held together by a set-screw. (Seen in dotted lines.)

Pieces of rubber may be dovetailed into the throat, if desired, to increase the friction and prevent the abrasion of the rope.

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

A fastener composed of two parts, A B, hinged on a pin, C, having handles H, and provided with box D, apertured centrally at E, as and for the purpose described.

JONAS P. SMITH.

Witnesses:

G. C. MAXWELL,
G. W. MILES.