

C.E. Phillips,

Bolt Clamp.

No. 98105.

Patented Dec. 21. 1869.

Fig. 1.

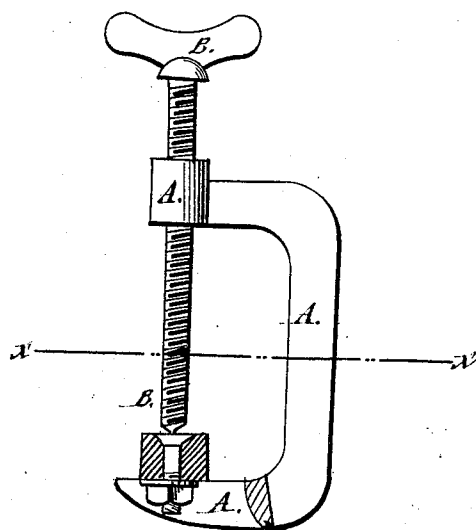
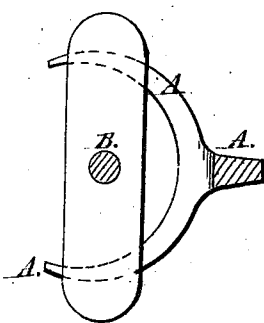


Fig. 2.



Witnesses:

Sinckman
Jno. E. Brock

Inventor:

C.E. Phillips
Wm. L. Catteys

United States Patent Office.

CHARLES E. PHILLIPS, OF SOUTH DEERFIELD, MASSACHUSETTS.

Letters Patent No. 98,105, dated December 21, 1869.

IMPROVEMENT IN BOLT-CLAMP.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES E. PHILLIPS, of South Deerfield, in the county of Franklin, and State of Massachusetts, have invented a new and improved Bolt-Clamp; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side view of my improved device, part being broken away to show the construction.

Figure 2 is a detail sectional view of the same, taken through the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved clamp for holding a round-headed round bolt, or a bolt which, from any cause, has become loose in the wood or iron, to enable the nut to be turned off when said nut may be tight-fitting or may have become rusted on.

These are the general purposes which my invention are intended to subserve; but its more particular object and its most valuable purpose is to operate upon bolts in setting tire. Setting bolted tire has been a part of my business for many years, and I have felt the necessity for a long period of some improvement to facilitate this branch of labor.

My invention consists in a tool, branched at the lower part to receive the tire, a curved frame with a threaded nut at its upper end, and a clamping-screw, which is supported by the said nut, and provided with a steel or hard point.

It also consists in the construction and combination of the various parts of the device, as hereinafter more fully described.

A is the clamp-frame, the lower arm of which is

made branched, as shown in fig. 2, to firmly support the wood or iron that contains the bolt, the nut of which is to be removed, against the action of the clamping-screw, and at the same time furnish space enough around the nut for the wrench to take hold of and operate the said nut.

Through the end of the other arm of the clamp A is formed a screw-hole, into the threads of which fit the threads of the clamping or hand-screw B. The point of the hand-screw B should be steel, so as to take hold of the head of the nut with sufficient strength to hold it against the action of the wrench.

In using the device, the clamp A is put over the wood or iron containing the bolt to be removed, in such a way that the nut to be operated upon may be between the branches of the lower end of said frame or clamp.

The hand or clamping-screw B is then turned down until its steel point presses against the head of the bolt with sufficient force to hold the bolt against the action of the wrench. The wrench is then applied to the nut to turn it off.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

A tire-bolt clamp, formed of the frame A, branched at the lower, and having a threaded nut in the upper end thereof, combined with a clamping-screw, B, having a hard point at its extremity, the said parts being constructed and operating together in the manner described.

The above specification of my invention signed by me, this 7th day of May, 1869.

CHARLES E. PHILLIPS.

Witnesses:

W. D. BATES,
S. D. BILLINGS.