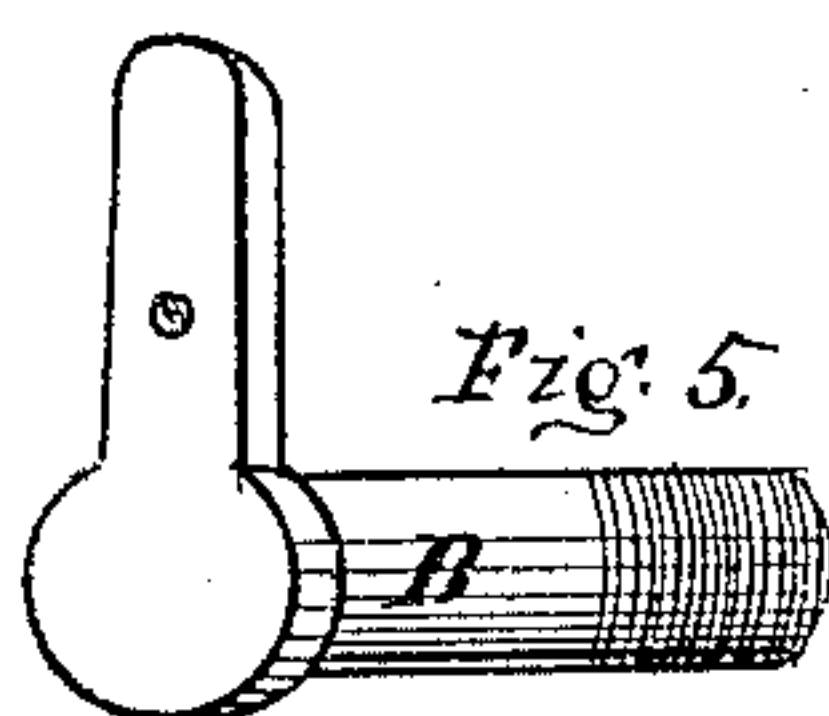
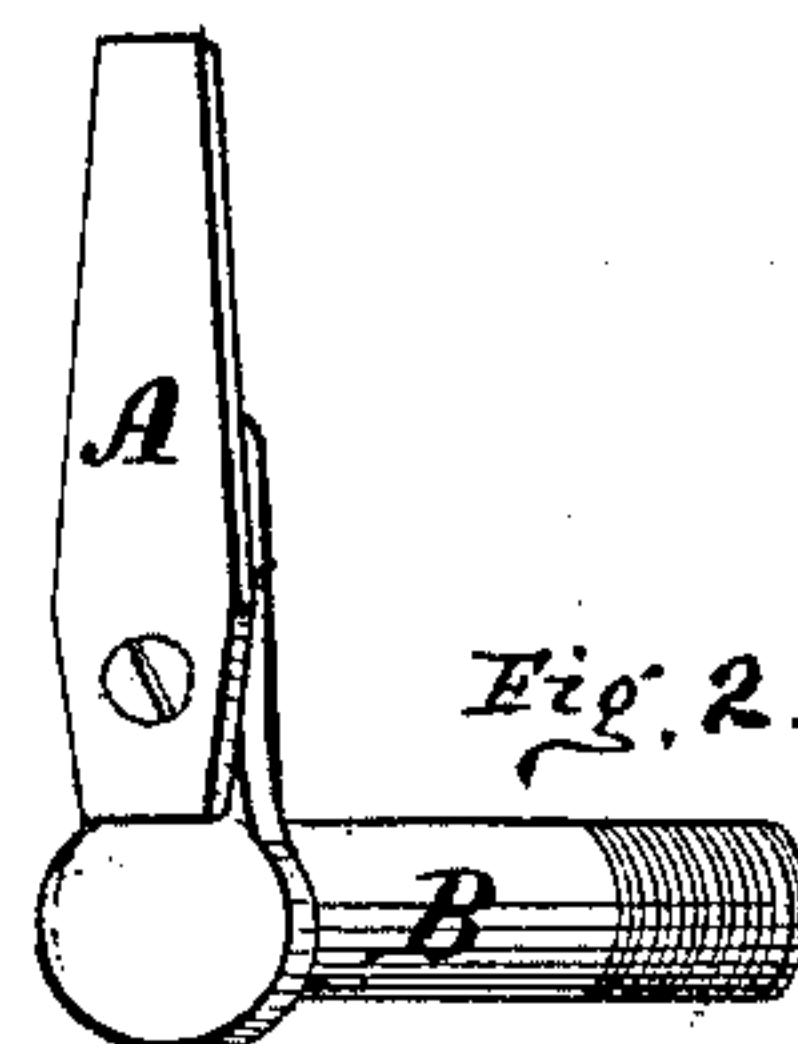
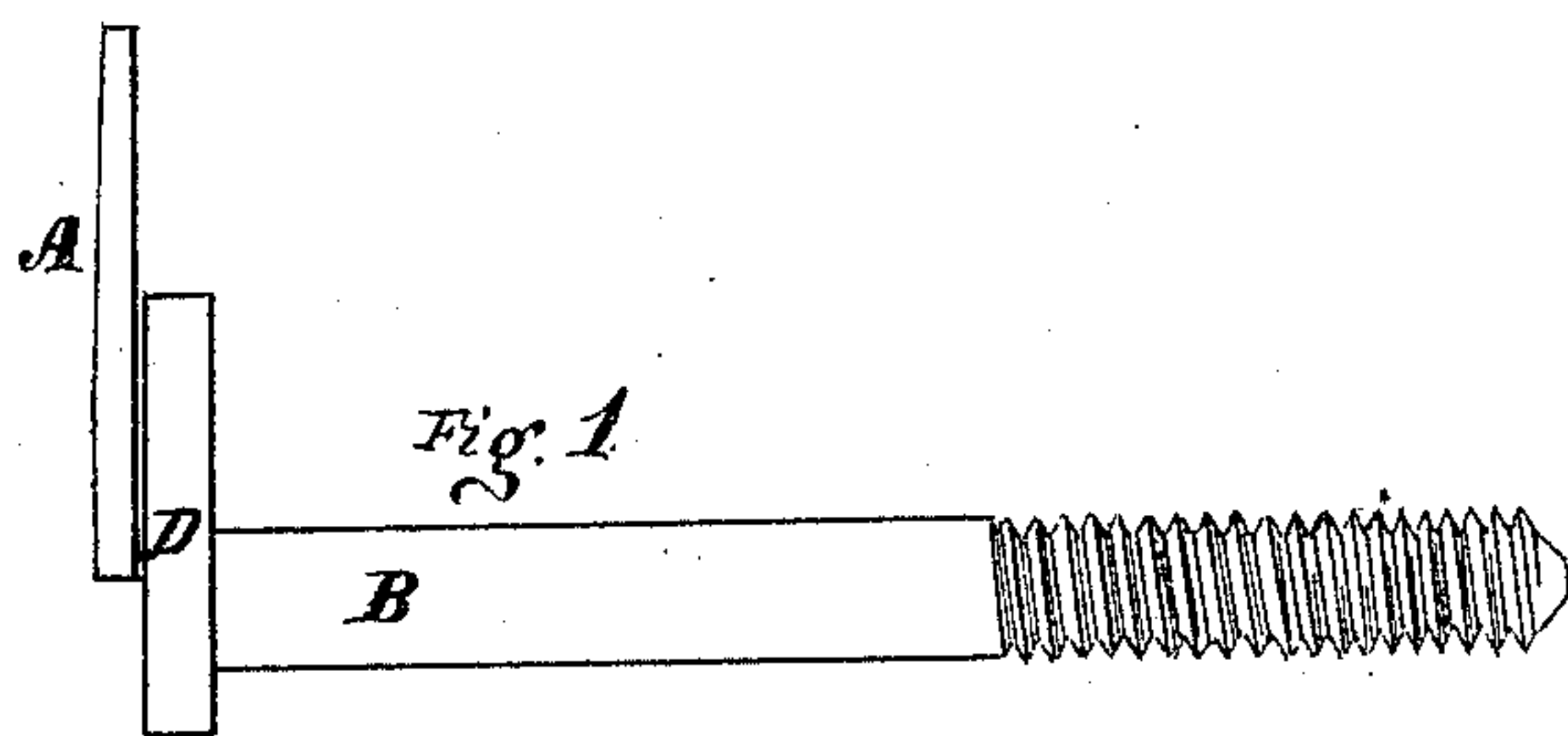
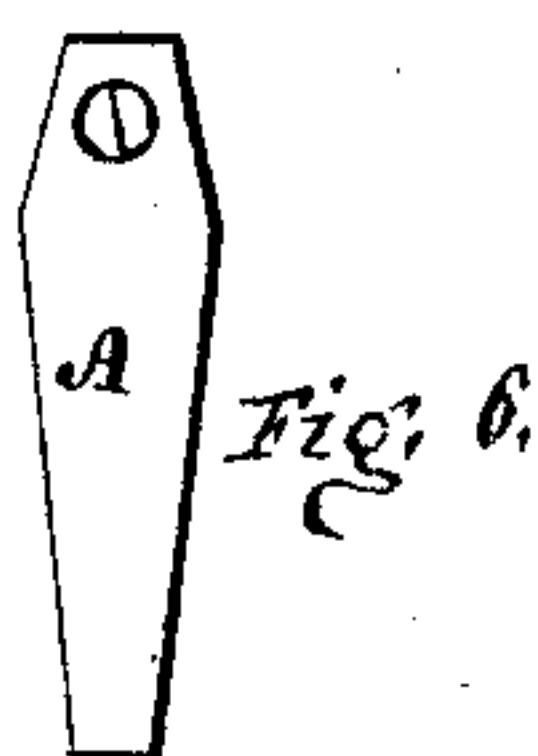
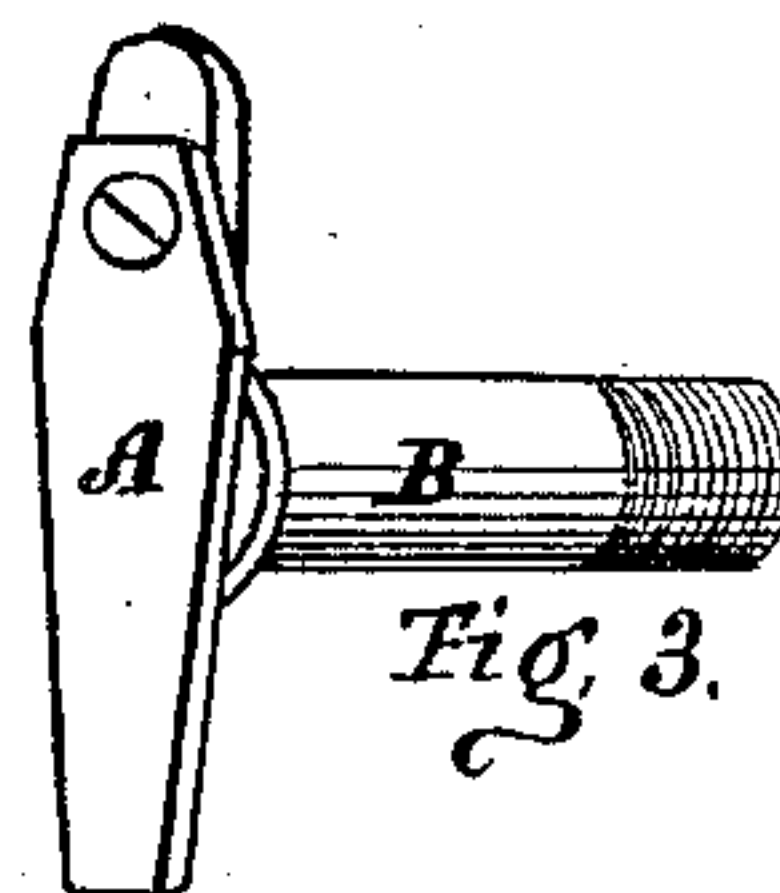
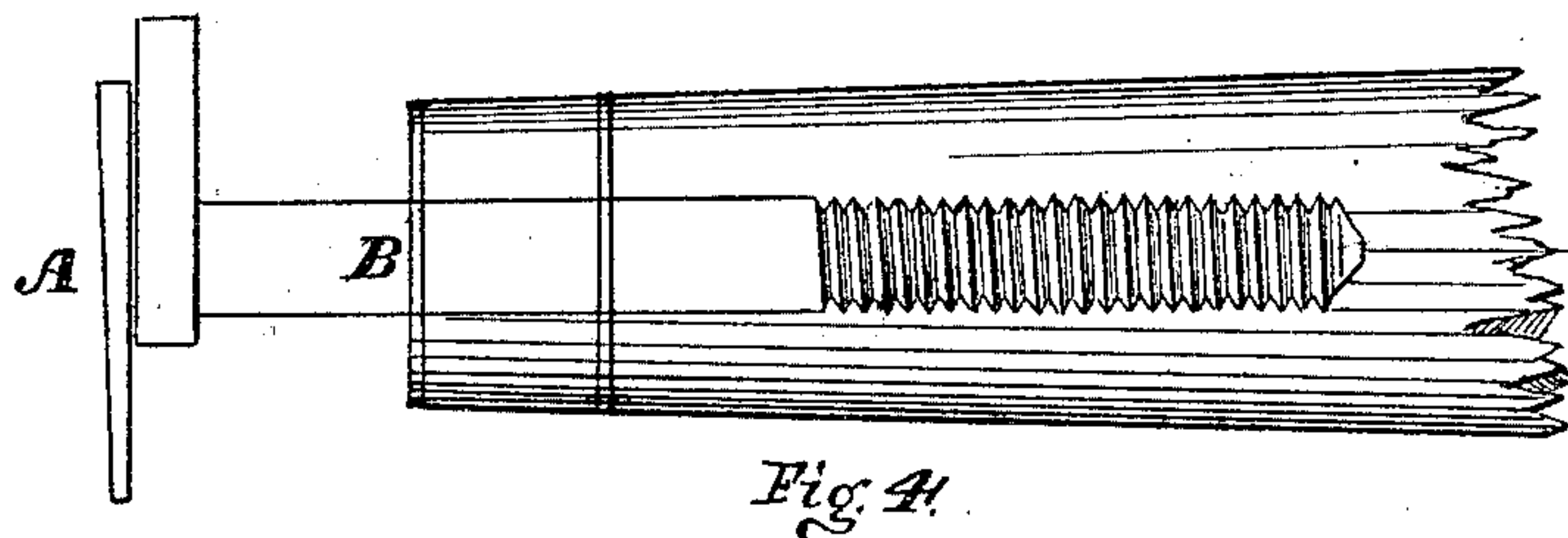


A. VERBECK.  
Whiffletree Hook.

No. 112,096.

Patented Feb. 21, 1871.



Witnesses;

John C. Manahan  
Benjamin Surtisen

Inventor;

Amos Verbeck

# United States Patent Office.

AMOS VERBECK, OF STERLING, ILLINOIS.

Letters Patent No. 112,096, dated February 21, 1871.

## IMPROVEMENT IN WHIFFLETREE-HOOKS.

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, AMOS VERBECK, of the city of Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Whiffletree-Hooks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a whiffletree-hook, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side view of my invention in position for putting on the trace.

Figure 2 is a perspective view of the same.

Figure 3 is a perspective view when in use.

Figure 4 is a side view of the same.

Figures 5 and 6 are detached views of the two parts forming the whiffletree-hook.

B represents a bolt, provided at one end with a screw-thread in the ordinary manner, for the purpose of being screwed into the end of the whiffletree, which is done to within half or three-quarters of an inch of the head D, at the other end of the bolt.

This head is in the shape of a short bar, as shown in the drawings, and when the bolt is fastened into the end of the whiffletree this head or bar should extend upward above the bolt.

On the outer side of the head D above the bolt is pivoted a bar or pendulum, A.

The length of this pendulum and the point at which it is pivoted should be so gauged that when the pendulum hangs downward, as shown in figs. 3 and 4, the distance from a line drawn longitudinally through the center of the bolt to the end of the pendulum should be about the same as the distance from said line to the upper end of the head D.

When the trace is to be put on the pendulum A is turned up, as shown in fig. 1, and as soon as the trace is to be put on it is allowed to fall down of its own weight, when the trace is secured and prevented from slipping off.

The trace is taken off in the same manner by turning the pendulum upward.

Or the pendulum may be pivoted so tight that it will require some force to turn it downward again when the trace is put on.

Having thus fully described my invention,

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

The combination of the screw-bolt B with head D and pendulum A, constructed and arranged as described, so that when said head and pendulum point in opposite directions their outer ends shall be about equal distance from a line drawn longitudinally through the center of the bolt, substantially as herein set forth.

In testimony that I claim the foregoing as my own I affix my signature hereto in presence of two witnesses.

AMOS VERBECK.

Witnesses:

JNO. G. MANAHAN,

BENJAMIN GURTISER.