

M. Payne,

Nut Lock.

No. 98,187.

Patented Dec. 21. 1869.

Fig. 1.

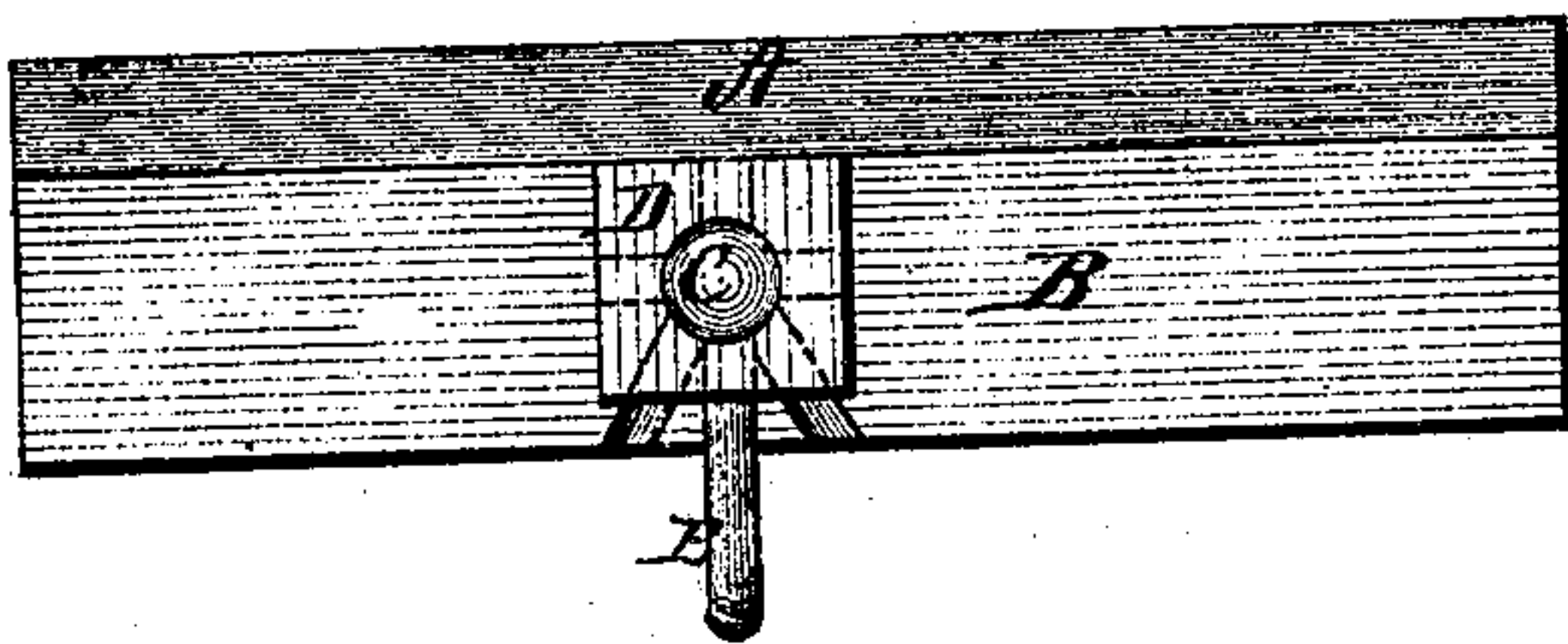


Fig. 2.

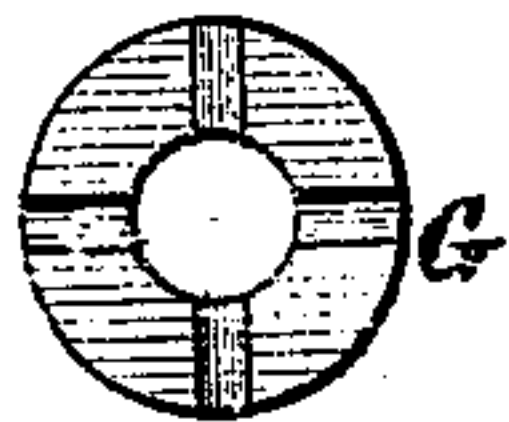


Fig. 3.

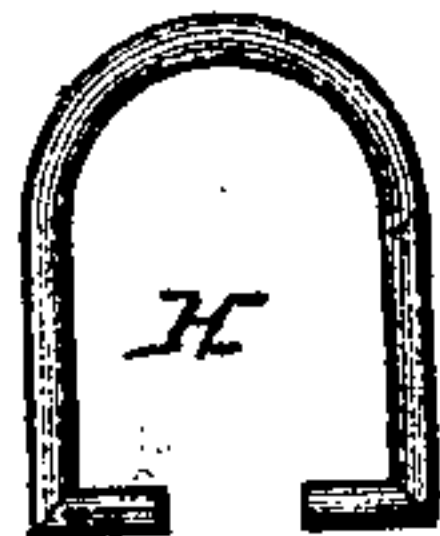
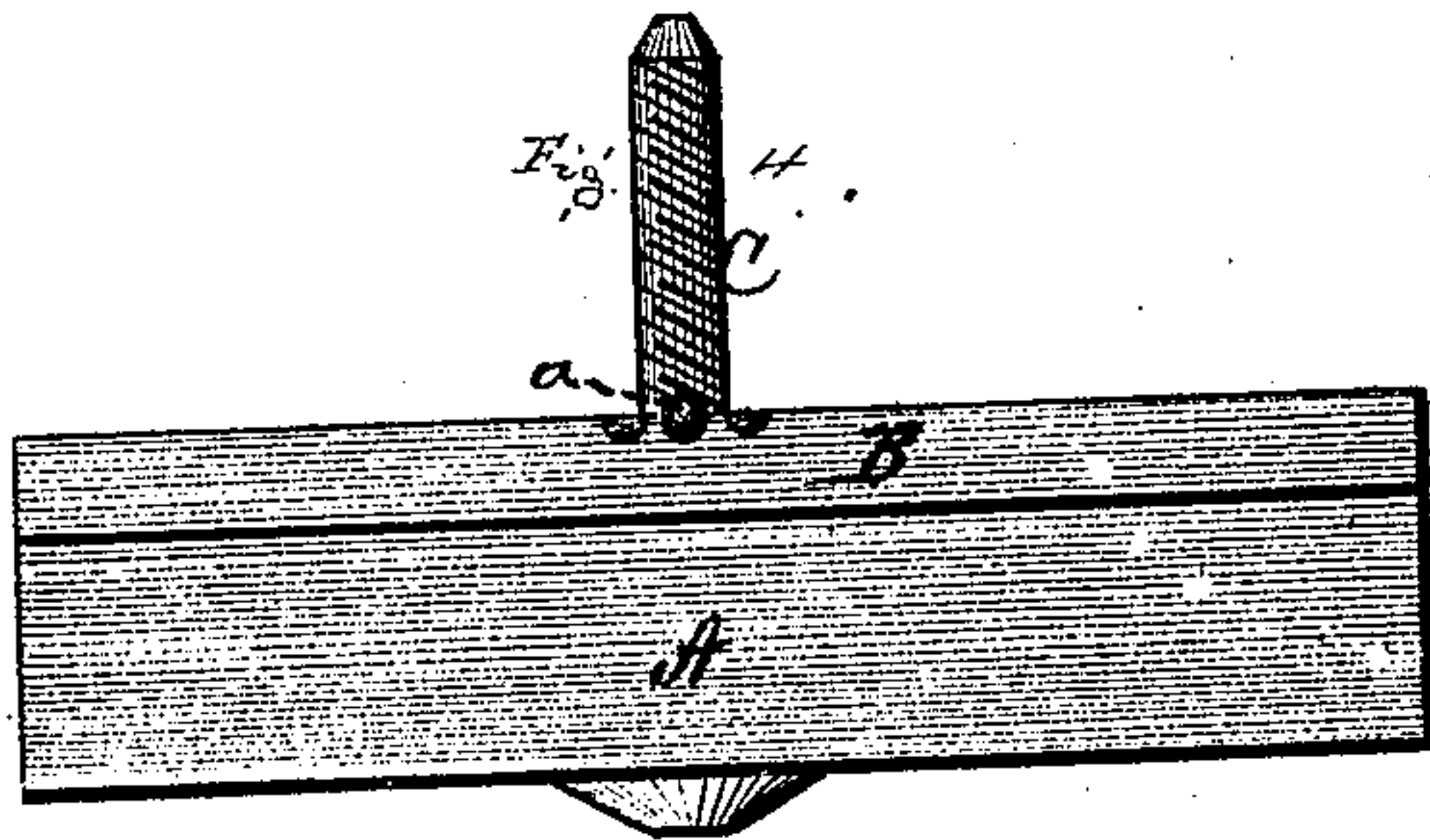


Fig. 4.



Witnesses

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MORGAN PAYNE, OF CARDINGTON, OHIO.

Letters Patent No. 98,187, dated December 21, 1869.

IMPROVEMENT IN NUT-LOCK

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, MORGAN PAYNE, of Cardington, in the county of Morrow, and in the State of Ohio, have invented certain new and useful Improvements in Nut-Locks; and 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, making a part of this specification.

The nature of my invention consists in the arrangement of certain devices for locking nuts, wherever the same may be used, so as to prevent them from unscrewing, from jarring or other causes.

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 a railroad-splice, on which the nut is fastened by my lock;

Figure 2 is a plan view of the washer;

Figure 3 is a side view of the spring-key; and

Figure 4 is a plan view of the railroad-splice.

A represents a portion of the rail, and B is the splice, fastened together by the bolt C.

Upon the bolt C is placed a washer, G, which, on its upper side, is provided with grooves, radiating from the centre, as seen in fig. 2.

The washer G may be prevented from turning on the bolt by projections on its under side, which should

enter recesses formed upon the splice, or the bolt may be so formed at the point where the washer goes that the washer cannot turn.

The nut D is, on its under side, provided with grooves, radiating from the centre, which grooves correspond with the grooves on the upper side of the washer.

When the nut is tightened, care should be taken that at least two of the grooves, one on each side of the nut, are directly over or against two of the grooves in the washer, and a spring-key, H, constructed as shown in fig. 3, is then inserted in said two grooves, which effectually locks the nut, and prevents it from unscrewing.

In some instances the washer G may be dispensed with, in which case the splice B is grooved, and the bale H inserted, which locks the nut.

Having thus fully described my invention,

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

The combination of the nut D, washer G, with its projections, and spring-key H, all constructed as shown and described, and for the purposes set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 2d day of November, 1869.

MORGAN PAYNE.

Witnesses:

W. C. NICHOLS,
M. F. SMITH.