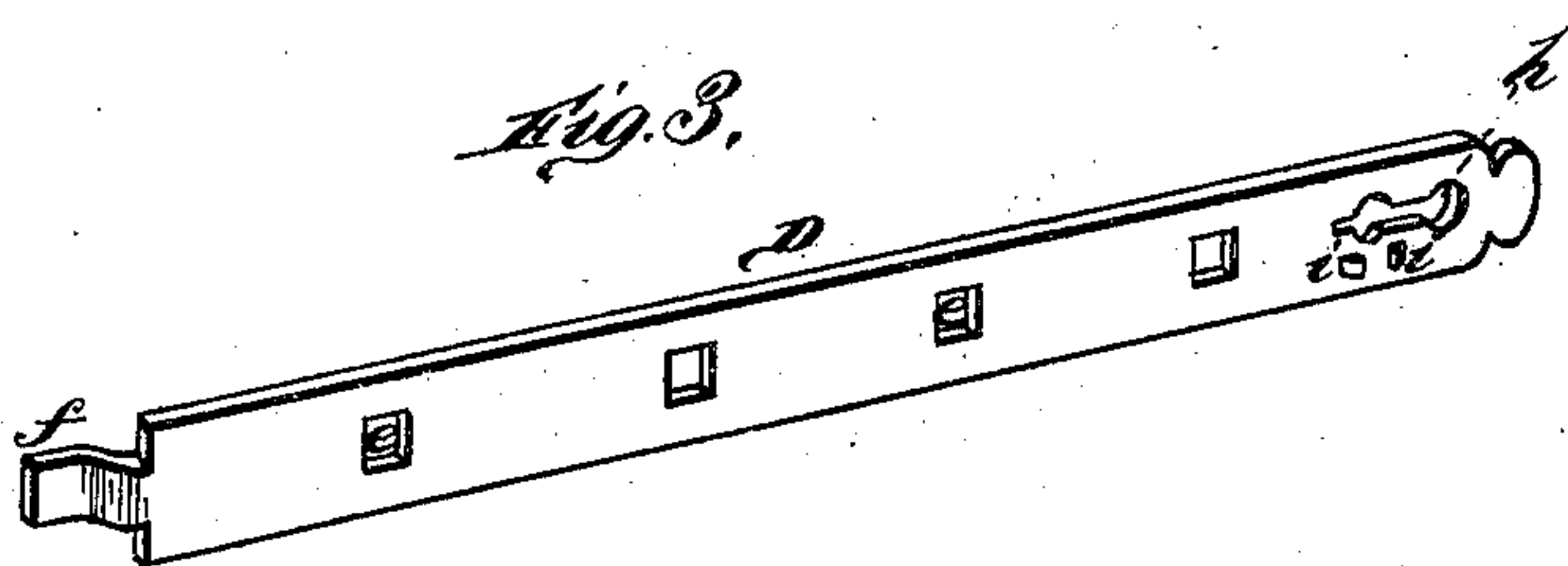
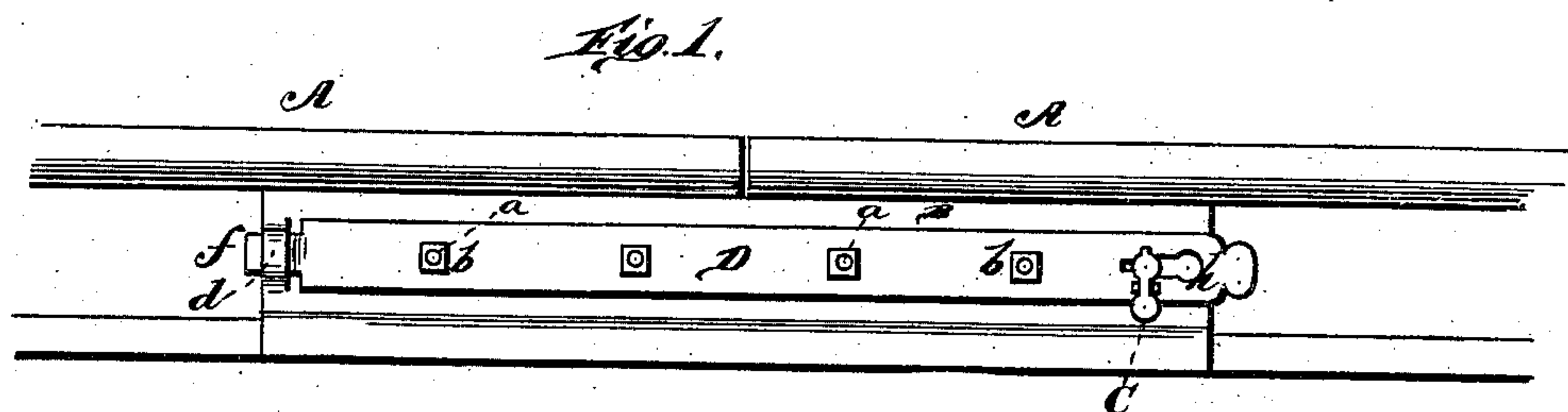


R. S. HAZEN, Sr.
Nut-Lock.

No. 210,530.

Patented Dec. 3, 1878.



WITNESSES
Robert Everett
James J. Sheehy

INVENTOR.
Robert S. Hazen, Sr.
Gilmore, Smith & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ROBERT S. HAZEN, SR., OF CALAMUS, IOWA.

IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. **210,530**, dated December 3, 1878; application filed June 22, 1878.

To all whom it may concern:

Be it known that I, ROBERT S. HAZEN, Sr., of Calamus, in the county of Clinton and State of Iowa, have invented a new and valuable Improvement in Nut-Locks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of my nut-lock as applied. Fig. 2 is a side view with the locking-bar removed, and Fig. 3 is a perspective view of the locking-bar.

The nature of my invention consists in the construction and arrangement of a device for locking nuts on bolts, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A A represent the ends of two adjoining railroad-rails. B is a fish bar or plate, placed against the sides of the rails. *a a* are the bolts, and *b b* the nuts, screwed on the ends of the bolts against the plate of bar B.

The fish bar or plate B is extended a suitable distance on each side beyond the series of bolts used in a railroad-rail joint. At one end of the bar B is cut a slot, and the metal beyond the slot is bent outward, forming, as it were, a loop, *d*. On the other end of the bar B is pivoted a button, C.

D represents a locking-bar, provided with a series of openings, *e*, to fit over the nuts *b b*. At one end the bar D is formed with a pro-

jecting and slightly-curved tongue, *f*. The other end has a slot, *h*, corresponding in shape with the button *c*, and below said slot are two small lugs, *i i*, as shown.

After the nuts have been tightened and turned properly, the tongue *f* of the bar D is inserted in the loop *d*, and the bar D then sprung inward until all the nuts are through the respective apertures *e* and the button C has passed through the slot *h*, when said button is turned downward until it is caught by the lugs *i i*, or rather between said lugs, the spring of the metal bar keeping the button locked between the lugs.

I am fully aware that nuts have been locked on their bolts by means of locking-bars of various forms, and hence I do not claim such, broadly, as my invention.

To release the bar, the end is pressed down, when the button can be turned and the bar easily removed.

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

In combination with a series of bolts and nuts, the plate or bar B, formed with a loop, *d*, at one end, and having a button, C, pivoted at the other end, and the locking-bar D, formed with openings *e*, tongues *f*, and lug *i*, all substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ROBERT S. HAZEN, SR.

Witnesses:

CHAS. J. HAGEMANN,
JNO. BRONNER.