

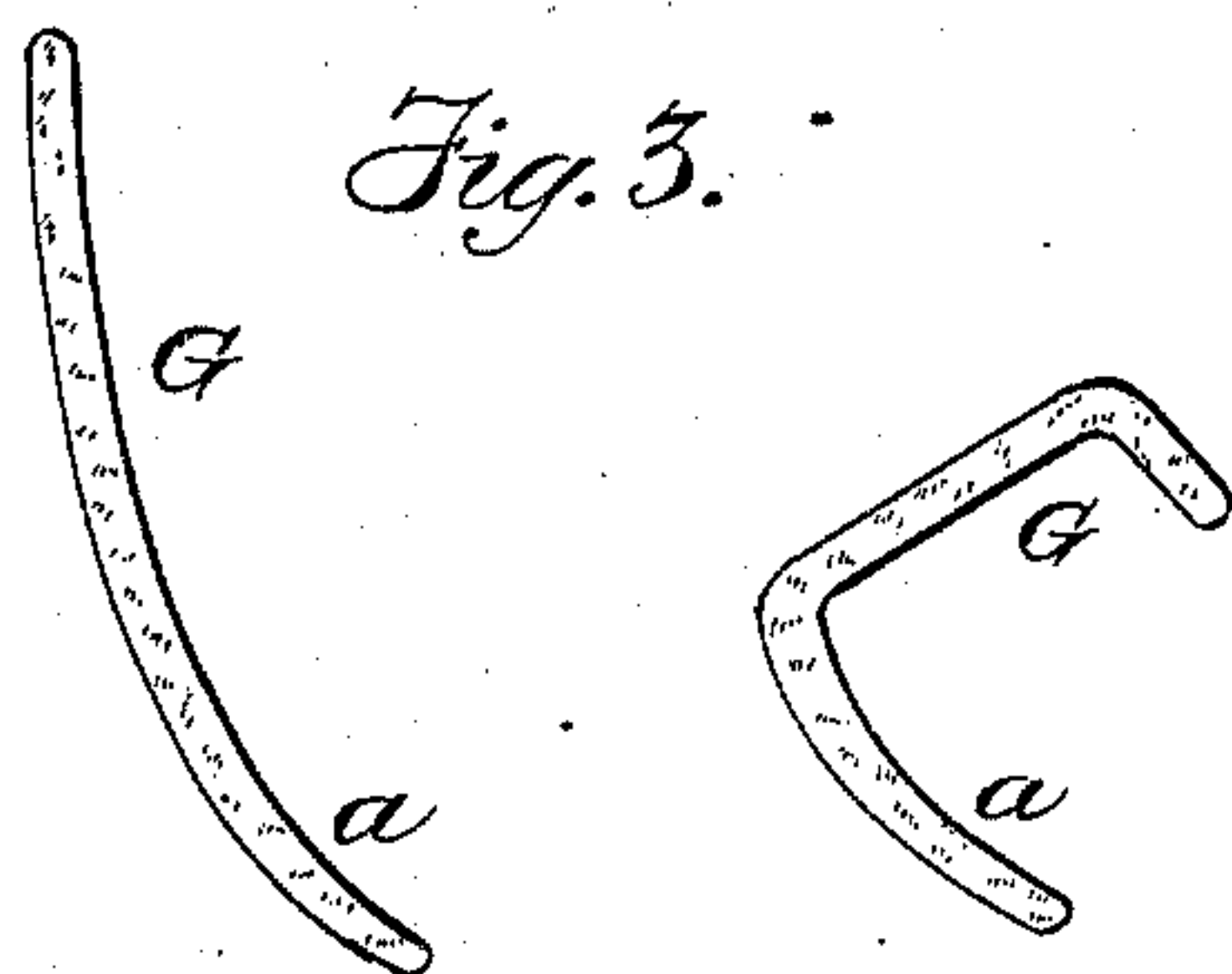
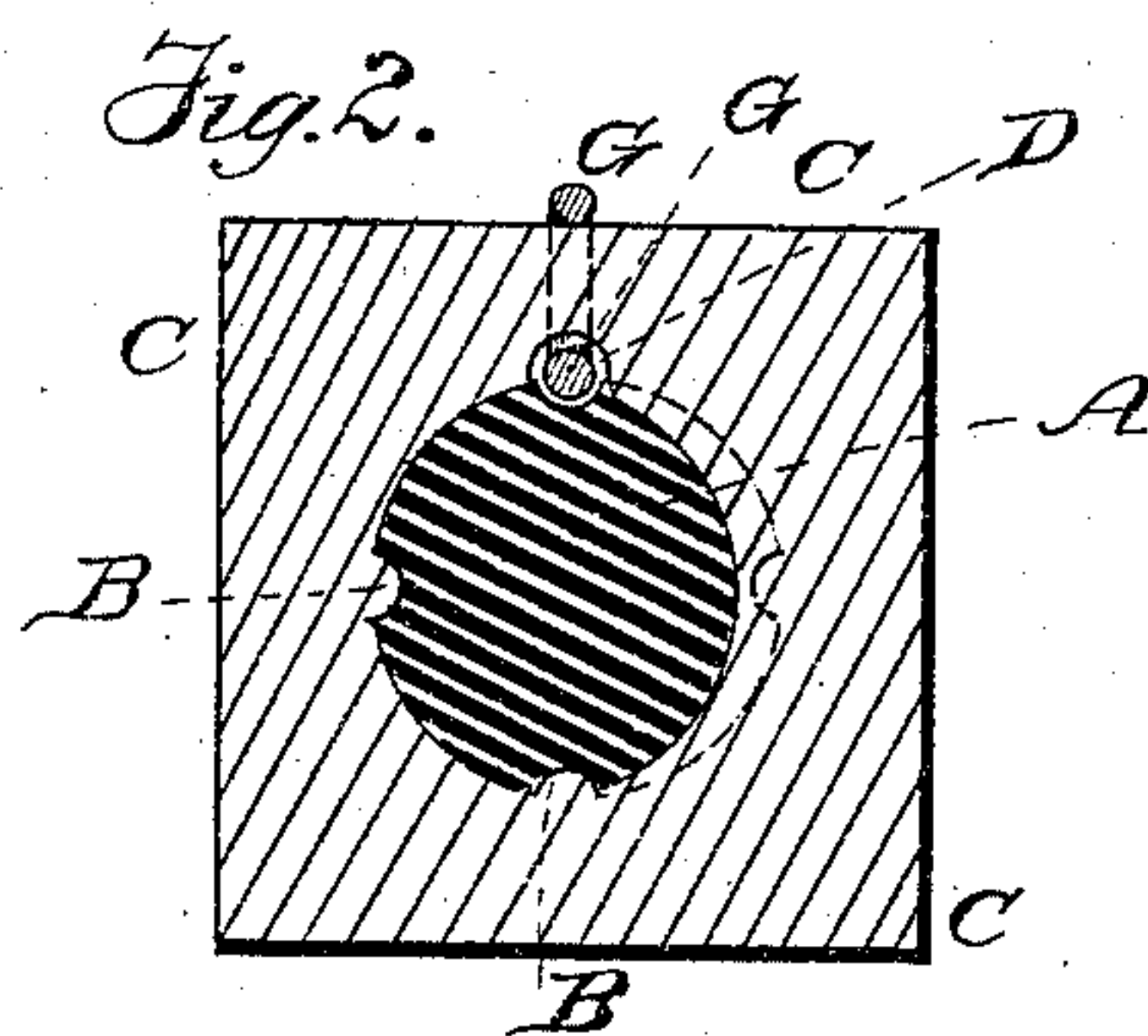
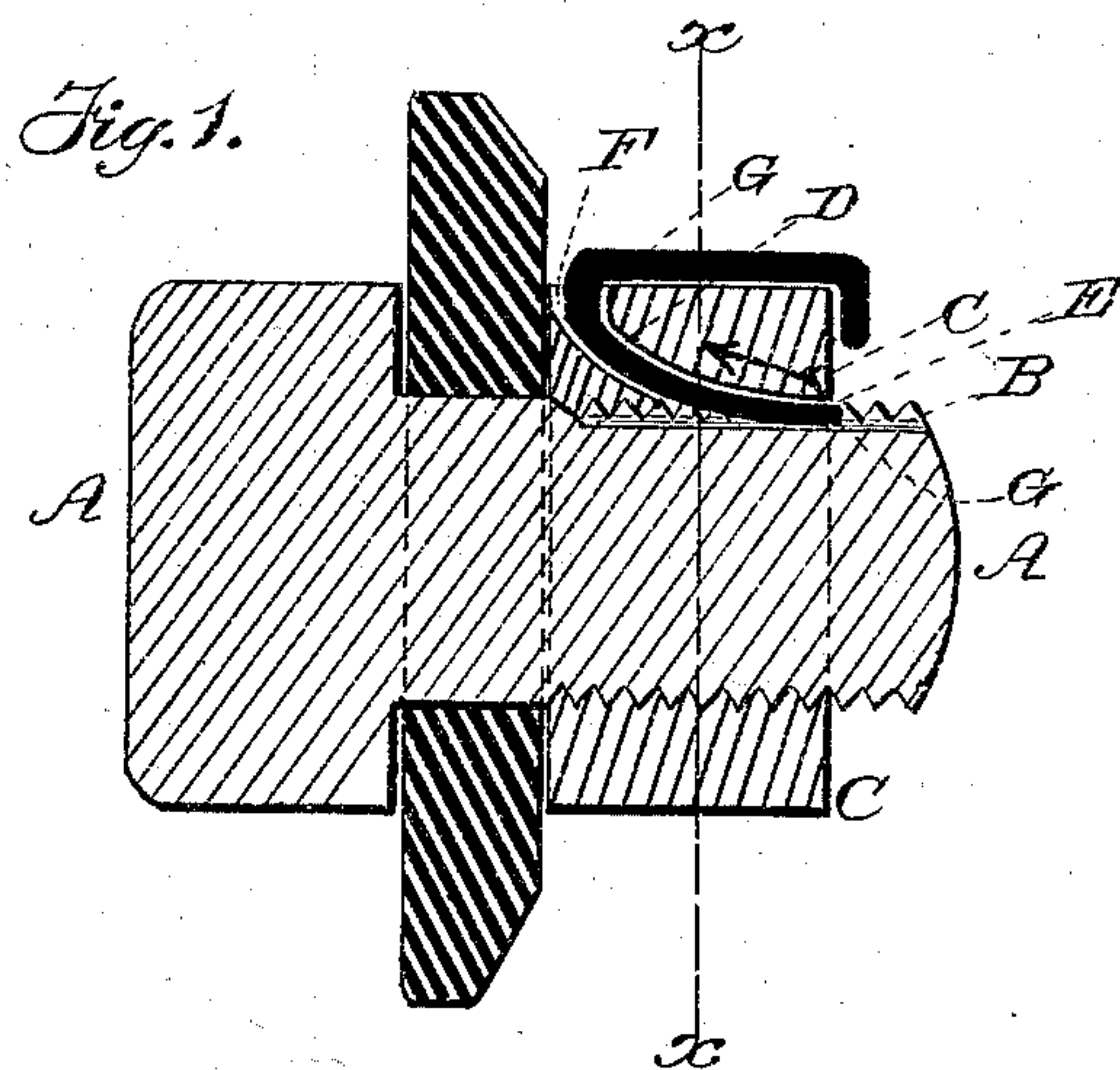
(No Model.)

W. H. REPASS.

NUT LOCK.

No. 270,124.

Patented Jan. 2, 1883.



WITNESSES

J. R. Lillie
E. B. Noyes

INVENTOR

William H. Repass
by *C. H. Snow & Co.* ATTORNEY

UNITED STATES PATENT OFFICE.

WILLIAM H. REPASS, OF MARTIN'S STATION, ASSIGNOR OF ONE-HALF TO
ALFRED SULT, OF WYTHEVILLE, VIRGINIA.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 270,124, dated January 2, 1883.

Application filed January 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. REPASS, of Martin's Station, in the county of Pulaski and State of Virginia, have invented certain new and useful Improvements in Nut-Locks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a longitudinal sectional view illustrating my improved nut-lock. Fig. 2 is a transverse section on the line *xx*, Fig. 1; and Fig. 3 is a view of the key detached, showing it before and after use.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to nut-locks; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents the bolt, the threaded portion of which is provided with longitudinal grooves B, of which I have in the drawings hereto annexed shown four located equal distances apart.

C is the nut, which is provided with a perforation or channel, D, curved or segmental in shape, and extending from the outer end of the eye E, where it commences as a shallow channel, through the side of the nut, and terminating in an orifice, F, in the side of the nut, at or near the inner edge of the latter.

G is the key, which consists simply of a piece of wire, which, in order to render it easily driven into place, should be bent or curved, as shown at *a*, Fig. 3.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. The nut, having first been properly adjusted, is tightened until the outer end of

channel D registers with one of the grooves B in the bolt. The key G is then inserted in the opening formed by channel D and the contiguous groove B, and driven until its lower end protrudes beyond orifice F sufficiently to allow it to be clinched or fastened, as follows: The protruding end of the key is bent forwardly along the side of the nut and turned over the front end or face of the latter, thus securing the key firmly in position. The key, being thus secured to the nut and engaging one of the grooves B in the bolt, locks the nut firmly and securely in position.

To remove the nut it is only necessary to bend the clinched end of the key outward from the nut, when the key may be readily driven out by means of a hammer and a suitable pointed rod.

This invention is simple, easily applied, and may be used without injury to the nut or bolt.

I am aware of the patent to Roth, No. 222,740, December 16, 1879, and I claim nothing therein shown.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in devices for locking nuts on bolts, jointly with a longitudinally-grooved bolt, a nut having a groove or hole extending from the bolt-hole at one end or surface of the nut through the wall of the nut in an oblique and slightly-curved course, whereby a nail or piece of wire driven through the wall of the nut along the course of the oblique hole will lock the bolt and nut together, and may have its ends bent or clinched, substantially as set forth.

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

WILLIAM HARPER REPASS.

Witnesses:

ALFRED SULT,
JOHN M. WILSON.