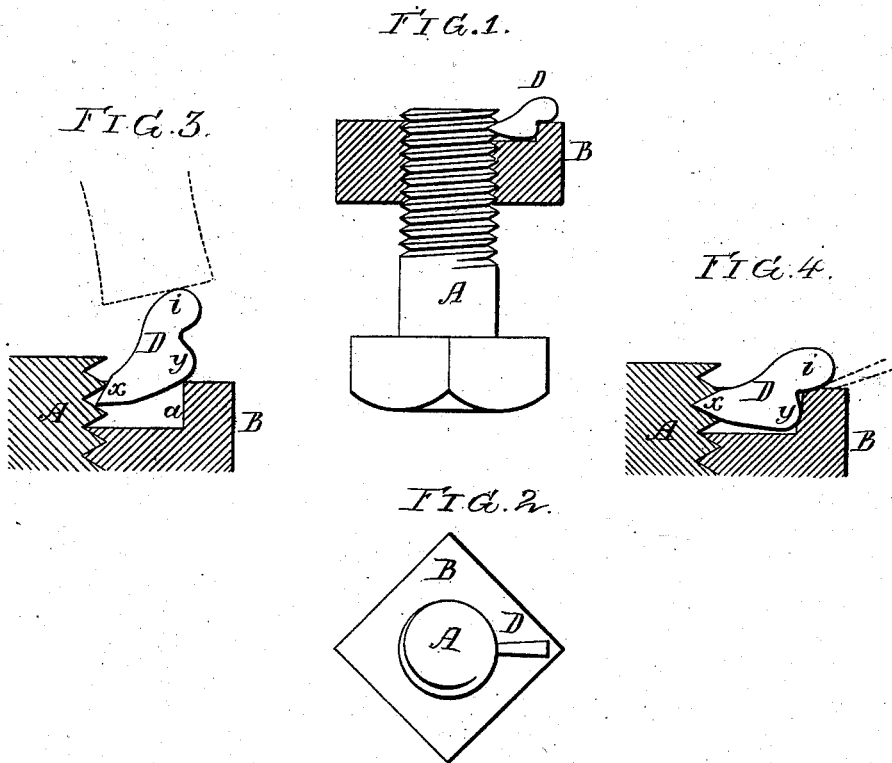


W. J. BRASSINGTON.
Nut-Lock.

No. 207,006.

Patented Aug. 13, 1878.



Witnesses,
Harry A. Crawford,
Harry Smith

Inventor
Walter J. Brassington
by his Attorneys
Howson and Son

UNITED STATES PATENT OFFICE.

WALTER J. BRASSINGTON, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. **207,006**, dated August 13, 1878; application filed May 6, 1878.

To all whom it may concern:

Be it known that I, WALTER J. BRASSINGTON, of Brooklyn, Kings county, New York, have invented a new and useful Improvement in Nut-Locks, of which the following is a specification:

My invention relates to an improvement in that class of nut-retainers in which a bit contained in a recess in the nut is caused to bear against the bolt; and the object of my improvement is to so combine a bolt and nut, and a recess in the face of the latter, with a pointed bit that, on driving the latter into the said recess, the point of the bit will bear against the bolt, the said bit being easily extracted when it becomes necessary to tighten or loosen the nut.

Figure 1 is a view of a bolt and nut, the latter being provided with my improved locking device; Fig. 2, an end view of the same, and Figs. 3 and 4 enlarged views of a portion of the same.

A is an ordinary bolt, and B a nut adapted to the same, as usual. In the outer face of this nut, and extending radially from the central opening of the same, is a recess or slot, *a*, into which, after the nut has been screwed tight, is introduced a hardened-steel bit, D, the pointed end *x* of the latter resting between the threads on the bolt, and the rounded rear end, *y*, bearing against the face of the nut at the rear end of the slot, as shown in Fig. 3. As many blows with a hammer are then struck upon the top of the bit as will force the same down into the slot *a*, the result of this being that the pointed end of the bit will

bite into the bolt, while its curved rear end, *y*, will slightly indent the outer wall of the slot *a*, the bit being thereby held so firmly in position that its accidental displacement and the movement of the nut on the bolt are impossible.

The removal of the bit when necessary, however, can be readily effected by inserting a suitable instrument between the face of the nut and the overhanging portion *i* of the bit, as shown in Fig. 4, this instrument serving as a pry by which the outer end of the bit may be elevated, so as to release it from the slot and withdraw its pointed end from the bolt.

I do not desire to claim, broadly, a bit so arranged in a recess of a nut that its point will bear against the bolt and prevent the said nut from becoming loose; but

I claim as my invention—

The combination of a bolt and nut, the latter having a radial slot or recess, *a*, formed in its face, with a pointed bit, D, arranged to fit snugly in the recess, and retained in position therein partly by the penetration of its pointed end into the bolt, and partly by the close contact of its rear end with that portion of the nut which forms the outer end of the slot, all as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER J. BRASSINGTON.

Witnesses:

THOMAS J. MADON,
CHARLES L. HEATH.