

J. C. WEBBER.

NUT LOCK.

APPLICATION FILED SEPT. 17, 1910.

998,217.

Patented July 18, 1911.

2 SHEETS-SHEET 1.

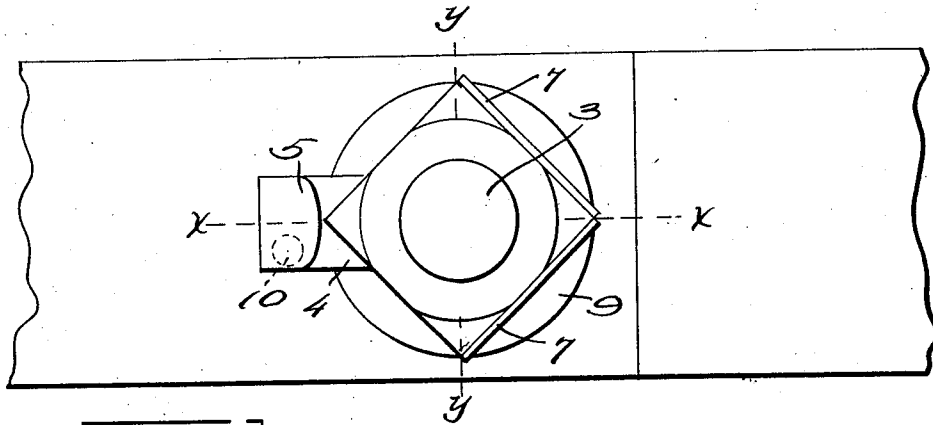


Fig-1.

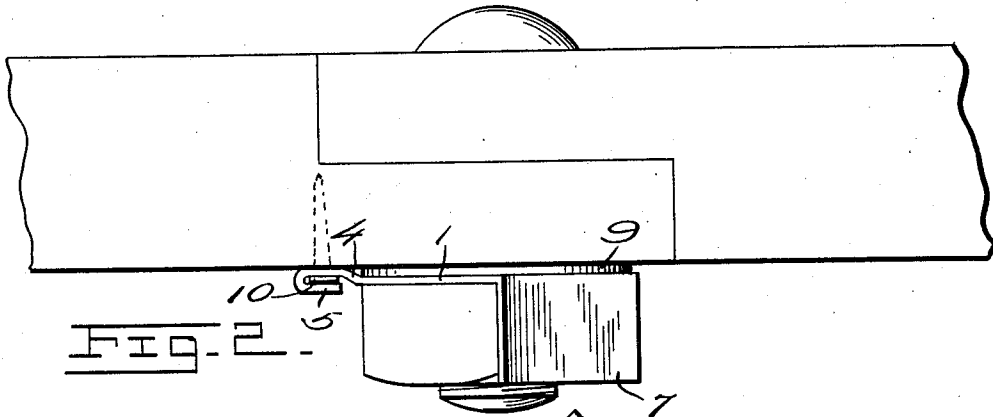


Fig-2.

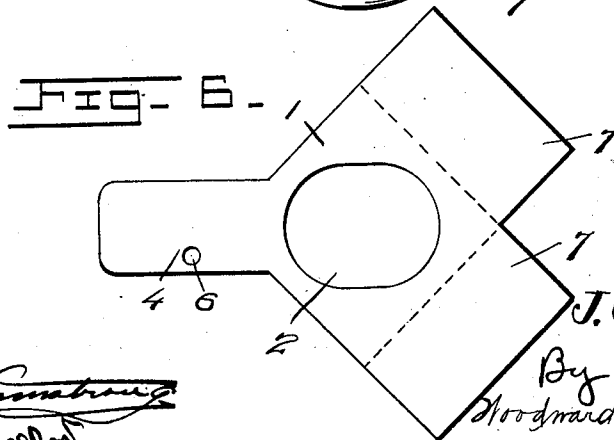


Fig-6.

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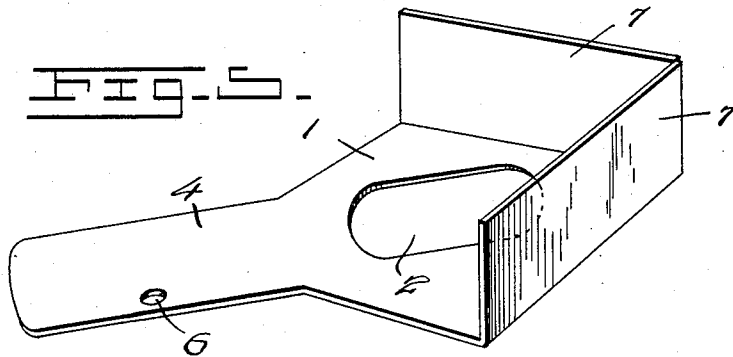
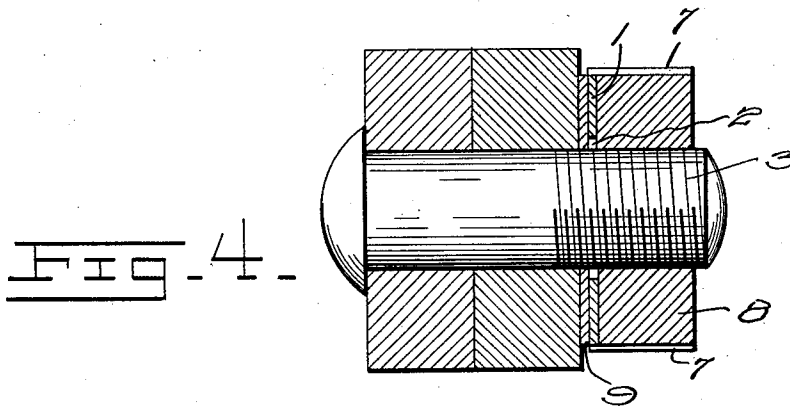
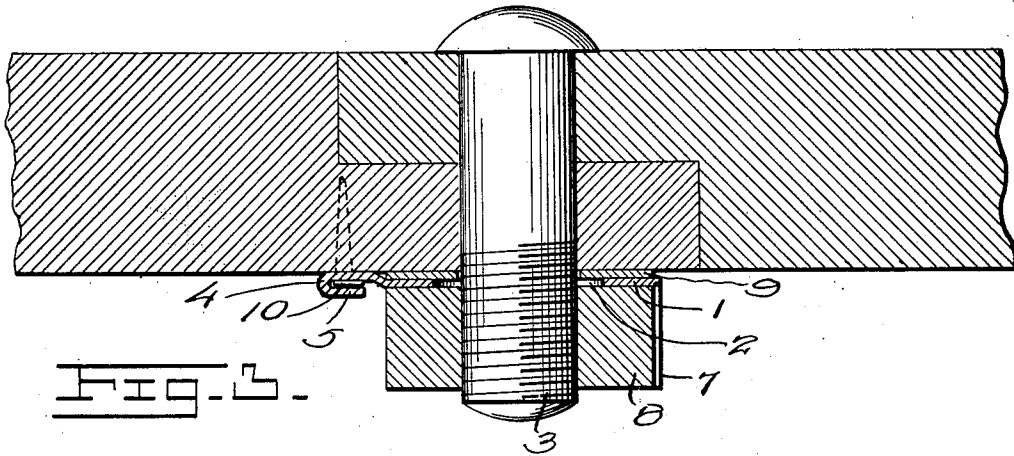
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

JOSEPH C. WEBBER, OF DENVER, COLORADO.

NUT-LOCK.

998,217.

Specification of Letters Patent.

Patented July 18, 1911.

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To all whom it may concern:

Be it known that I, JOSEPH C. WEBBER, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented certain new and useful Improvements in Nut-Locks, of which the following is a specification.

This invention relates to nut locks, and more particularly to those constructed from a single piece of metal.

The object of my invention is to provide a very simple, practical and inexpensive nut lock, and is especially adapted to be used more particularly in connection with bridge building, car or other wood work, but it is evident that the nut lock may be applied to work and material of various kinds and construction without departing from the nature of my invention.

My invention further consists in constructing the nut lock in such a manner as to conceal and hold the fastening device employed in connection with the nut lock, thereby preventing the releasing of the nut lock and further providing a smooth and uniform surface to the nut lock where the fastening device is employed.

Briefly stated my invention consists of a plate or body portion having an opening formed therein and an extended tongue projecting from said body portion and substantially on a plane therewith, the end portion of said tongue being bent substantially at right angles to the body portion to form a lip, said tongue being provided with an opening adjacent to one of its edges through which a suitable fastening device is passed and into the material or wood work desired to be secured together, the lip thus formed being adapted to be turned over against the tongue and over the fastening device, whereby the latter is concealed and properly held into the wood or other material, for preventing the nut lock from turning after the same has been properly adjusted to hold the nut in a binding position.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings: Figure 1 is a front elevation of my complete invention, Fig. 2 is a top plan view of the same, Fig. 3 is a longitudinal

section taken on the line $x-x$ of Fig. 1, Fig. 4 is a cross section taken on the line $y-y$ of Fig. 1, Fig. 5 is a perspective view of my complete invention. Fig. 6 is a plan view of the form from which the nut lock is constructed.

Referring to the drawings 1 represents a body portion having an elongated slot or opening 2 formed therein, which is adapted to receive the projecting screw threaded end of the bolt 3, the said slot compensating for the difference in size of the nuts that may be employed in connection with the nut lock, permitting the nut lock to be self-adjusting in respect to the nut when the parts are assembled and brought into a binding position.

Forming an integral part of the body 1 and extending from one of the corners thereof is a tongue 4, which projects a suitable distance to properly clear the nut, the end of said tongue being turned or bent outwardly to form a lip 5, which is of sufficient length to cover the opening 6 formed in the tongue 4 adjacent to one edge thereof. Also formed integrally with the body 1 of the nut lock along its contiguous edges opposite the tongue 4 are two wings 7 which are also bent at right angles to the body portion of the nut lock, which wings are adapted to come in contact with the contiguous edges of the nut, or two sides thereof in the operation of screwing the nut 8 upon the bolt 3. The wings 7 form a socket for the nut 8, and in practice the body portion 1 is first brought in contact with the nut in the operation of screwing the same upon the bolt, the said nut, together with the nut lock, being turned together to bring the parts in a binding position. After the nut has been turned in the proper direction and the body portion 1 of the nut lock thoroughly clamped between the nut and the washer 9, a nail or other fastening device is passed through the opening 6 formed in the tongue 4 and into the wood or other material to which the nut lock is applied, after which the lip 5 is bent inwardly and against and upon the tongue 4 covering the head of the nail or other fastening device, thus concealing the same and further operates to prevent the said nail or fastening device from working out of the material into which it is driven.

By referring to Fig. 3 of the drawings, it will be seen that when the nail or other fastening device 10 is driven into the material for holding the nut lock against ro-

tation the tongue 4 will be bent against said material, and when the tongue 5 is turned over upon the head of said nail a pocket is formed which allows the lip 5 to be depressed sufficiently so as not to interfere with a wrench or other tool that may be applied to the nut for removing the same from the bolt.

By referring particularly to Fig. 5 of the drawings it will be seen that the opening 6 formed in the tongue 4 is located adjacent to one edge thereof, whereby a chisel or other tool may be easily and conveniently brought in contact with the nail or other fastening device for cutting the same when it is desired to remove the nut. After the nail or other fastening device 10 has been cut as previously stated, the nut 8, together with the nut lock may be turned together by the application of a suitable wrench or other tool and the said nut thus removed from the bolt.

As before stated the body 1 is provided with an elongated opening 2, which not only renders the nut lock to be self adjusting to any inaccuracies in the formation of the nuts to be received by the engaging flanges 7, but said slot is of sufficient length to permit the receiving socket of the nut lock to engage nuts of various formations and sizes, all of which will be apparent from the above description.

By the construction of the nut lock as herein shown and described it is apparent that nuts may be readily and conveniently screwed upon the bolts by placing the nut 8 first into the socket of the nut lock before the nut is screwed upon the bolt, after which by turning said nut lock the nut will be likewise turned by grasping the lip 5, whereby a wrench may be dispensed with until the parts are brought in contact with one another, after which a wrench may be applied in the usual manner to the nut to bring the several parts into a binding position with respect to one another.

In practice the nut lock as herein shown and described, is stamped from or otherwise formed from a single piece of metal, but it is evident that the same may be made in many ways and of suitable material without departing from the nature of my invention.

What is claimed is:

1. A nut lock comprising a body portion 55 having an opening formed therein for the

bolt, a tongue forming a part of said body portion and provided with a suitable opening for receiving a fastening device, means on the body portion for engaging with the nut, and a lip forming a continuation of the tongue and arranged substantially at right angles to the tongue, said lip being adapted to be bent against the tongue for holding and concealing said fastening device.

2. A nut lock comprising a body portion for locking the nut and an opening for receiving the bolt, a tongue forming a part of said body portion and provided with a suitable opening and a lip forming a continuation of the tongue and arranged substantially at right angles to the tongue and adapted to be bent against the latter for holding and concealing a suitable fastening device.

3. A nut lock comprising a body portion, wings forming a part of the same and located at the contiguous edges of said body portion, the said body portion having an opening formed therein, a tongue forming a continuation of one of the corners of said body portion and located opposite to said wings, a lip forming a continuation of the tongue and normally out of contact therewith, said tongue being provided with an opening located adjacent to one edge thereof and adapted to be covered by the lip, and a suitable fastening device adapted to be passed through the opening in the tongue and into the material to which the nut lock is applied.

4. In an article of manufacture the herein described nut lock composed of a single piece of metal and having a perforated body portion, wings extending therefrom and arranged substantially at right angles to said body portion and located at the contiguous edges thereof, a tongue forming a part of the body portion and extending from one of the corners thereof, said tongue having an opening formed therein adjacent to one edge thereof, and a lip forming a continuation of said tongue and arranged substantially at right angles to the same, and adapted to be bent against the tongue.

In testimony whereof I affix my signature, in presence of two witnesses.

JOSEPH C. WEBBER.

Witnesses:

FRED PEDERSON,
FRED RICE.