

J. F. McGEE.
 COMBINED NUT LOCK AND WASHER.
 APPLICATION FILED MAR. 31, 1909.

966,945.

Patented Aug. 9, 1910.

Fig. 1.

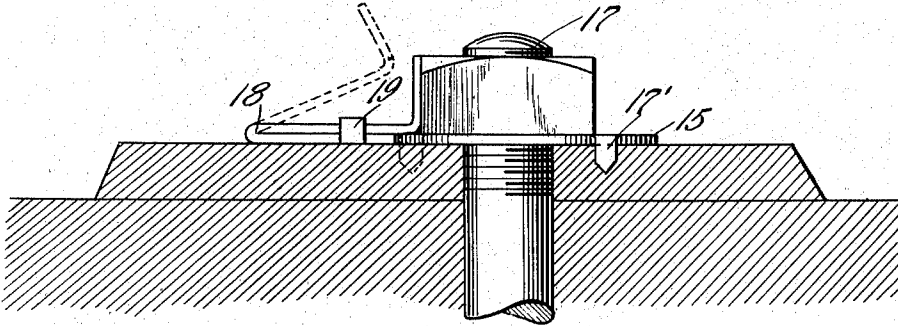


Fig. 2.

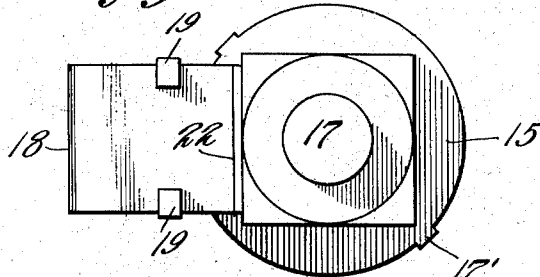


Fig. 3.

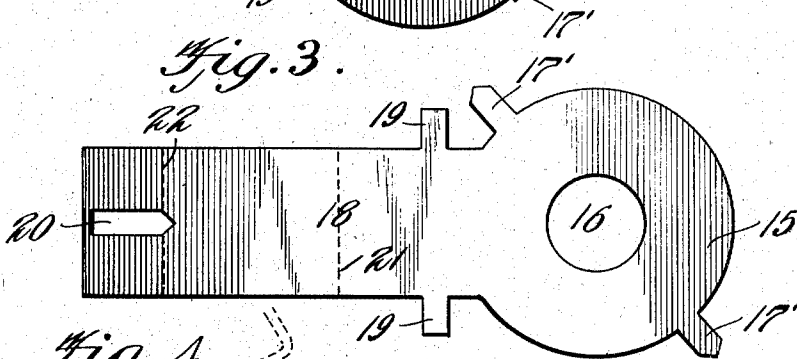
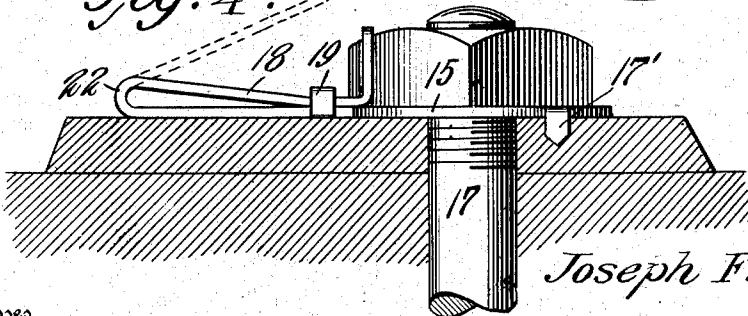


Fig. 4.



Inventor

Joseph F. McGee

Witnesses

Frank B. Hoffman
H. Allen

By

Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

JOSEPH F. McGEE, OF BRADY, NEBRASKA.

COMBINED NUT-LOCK AND WASHER.

966,945.

Specification of Letters Patent.

Patented Aug. 9, 1910.

Application filed March 31, 1909. Serial No. 486,900.

To all whom it may concern:

Be it known that I, JOSEPH F. McGEE, a citizen of the United States, residing at Brady, in the county of Lincoln and State of Nebraska, have invented new and useful Improvements in Combined Nut-Locks and Washers, of which the following is a specification.

This invention relates to combined nut locks and washers, and the principal object of the invention is to provide a device of this character which may be easily and quickly positioned upon a bolt, and secured to the plate through which the bolt is projected, the device being provided with a suitable locking arm which may be arranged to engage either the side or the edges of various shapes of nuts to securely lock the same upon the bolt and washer.

Another object of the invention is to provide a device of this character which may be easily and quickly removed from the nut, so as to allow for the removal of the said nut from the bolt when desired.

With the above and other objects in view which will appear as the description progresses the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the accompanying drawings there have been illustrated simple and preferred embodiments of the invention and in which,

Figure 1 is a longitudinal sectional view showing a slightly modified form of the device in position upon the bolt. Fig. 2 is a top plan view of the device illustrated in Fig. 1. Fig. 3 is a view of the blank from which the device is formed. Fig. 4 is a view similar to Fig. 1 but illustrating the locking arm engaging one of the edges of the nut.

The combined washer and nut lock is constructed of a single strip of flat, resilient metal and comprises a head or body portion preferably of a circular formation and being provided with a central opening adapted for the reception of a threaded extension of a bolt 17. The head or body 15 is also provided with a plurality of peripheral spurs 17' which as illustrated in Fig. 3 of the drawings are formed integrally with the said head or body 15 and are adapted to be bent downwardly as shown in Figs. 1, 2 and

4 of the drawings. The body portion 15 is provided with a rectangular extension 18 and this extension has its said edges adjacent the head 15 provided with oppositely disposed fingers 19 which are adapted to be bent over the plate or extension 18 to provide suitable ears for the purpose hereinafter to be set forth. The extension 18 has its upper end provided with a centrally arranged opening 20 and the said extension is adapted to be bent upon itself as indicated by the score 21 and to have its upper portion also bent upon itself as indicated by the score 22. When this member is bent as illustrated in Figs. 1, 2 and 4 of the drawings it will be noted that the same provides a locking arm and the right angularly bent extension provided with the opening 20, provides a contacting face which may engage one side of a nut, as indicated in Fig. 1 of the drawings or which may engage over one of the corners of the nut, as indicated in Fig. 4 of the drawings. When the locking arm is brought in contact with the nut, so as to prevent the rotation of the same the fingers 19 are bent over the said locking arm, thereby effectively securing the same, it of course being understood that the body portion 15 is first positioned upon the bolt and that its spurs or projections 17' are inserted within the plate to which the bolt 17 is attached.

From the above description taken in connection with the accompanying drawings it will be noted that I have provided an extremely simple, cheap and effective device for the purpose intended and it is to be understood that while I have illustrated and described the preferred embodiment of the invention as it now appears to me, minor details of construction within the scope of the following claim may be resorted to, if desired.

Having thus fully described the invention what is claimed as new is:

In a combined washer and nut lock, a plate, said plate comprising an enlarged portion having a central opening, said enlarged portion having its perimeter provided with integrally formed spurs, a reduced longitudinally extending portion, said reduced portion having its edges adjacent its connection with the enlarged portion provided with oppositely arranged hooks, the extremity of

the reduced portion being provided with an elongated slot, the said reduced portion adapted to be bent upon itself and to be engaged by the loops and the extremity provided with the slot adapted to be bent at
5 right angles to the overlying portion, substantially as and for the purpose set forth.

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

JOSEPH F. McGEE.

Witnesses:

CHARLES O'ROURKE,
D. JOHNSON.