

B. L. FORD.
TURNBUCKLE.
APPLICATION FILED SEPT. 20, 1912.

1,061,060.

Patented May 6, 1913.

FIG. 1.

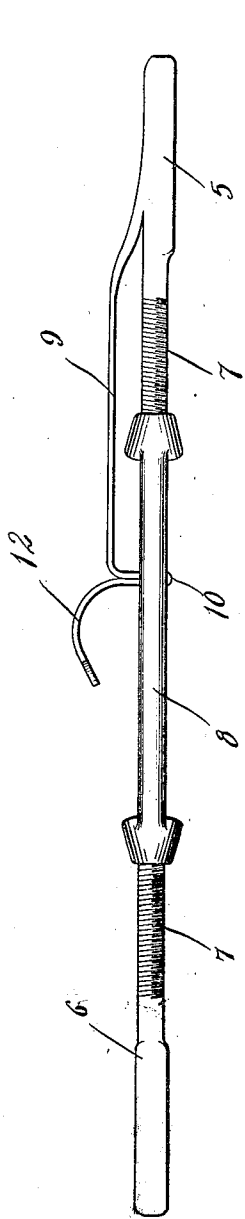


FIG. 2.

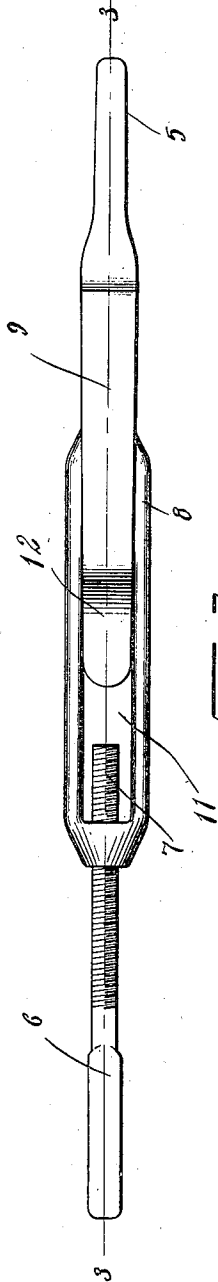
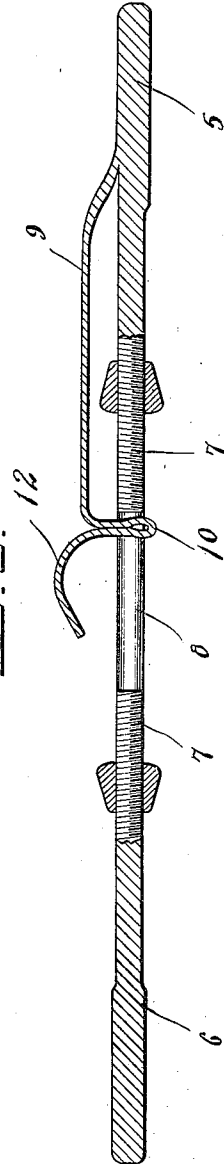


FIG. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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TURNBUCKLE.

1,061,060.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BERTRAM L. FORD, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented new and useful Improvements in Turnbuckles, of which the following is a specification.

The invention relates to turn buckles, and more particularly to the class of safety turn buckles and locking devices therefor.

The primary object of the invention is the provision of a turn buckle wherein the same is held locked against turning movement to avoid the loosening thereof, thus assuring proper adjustment of the turn buckle, as well as avoiding the accidental loosening of the same.

Another object of the invention is the provision of a turn buckle of this character wherein the lock is mounted upon one of the rods connected therewith, so that it will engage the turn buckle for sustaining it in its adjusted position, the lock being readily manipulated to permit the free adjustment of the buckle and in this manner permitting accurate adjustment to be attained and at the same time avoiding the possibility of the loosening of the buckle.

A further object of the invention is the provision of a turn buckle which is designed for use with brake or other rods, so that the latter may be tightened and the buckle locked to prevent the loosening thereof.

A still further object of the invention is the provision of a turn buckle wherein the same may be locked without the use of jam nuts, pins, or other fasteners.

A still further object of the invention is the provision of a turn buckle which is simple in construction, reliable and efficient in its purpose, and inexpensive in manufacture.

With these and other objects in view the invention consists in the construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claim hereunto appended.

In the drawings: Figure 1 is a side elevation of a turn buckle and the rods adjustably connected thereto, showing the locking

device constructed in accordance with the invention in locked position. Fig. 2 is a top plan view thereof. Fig. 3 is a sectional view on the line 3—3 of Fig. 2.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings by numerals, 5 and 6 designate independent rods the same being provided with reversely threaded ends 7, which are adjustably engaged in a turn buckle 8 as usual, whereby the said rods may be tightened or loosened as the occasion may require.

Adapted to be formed on either of the rods 5 and 6 is a locking device, although in this instance the latter is shown on the rod 5, and comprises a flat resilient arm or bar 9, the same being bent near its free end to provide a latch lip 10, which is adapted to be normally engaged in the open center 11 of the turn buckle so as to prevent the turning thereof accidentally, yet when it is desired to adjust the said turn buckle the arm or bar 9 can be pulled outwardly thereby retracting the latch lip 10 from the open center 11 of the turn buckle, thus freeing the same for adjustment.

The bar or arm 9 at the free end thereof beyond the locking lip is formed with an upwardly bowed finger grip 12 which permits the engagement of the finger of a person therewith, so that the said arm or bar can be pulled outwardly for the unlocking of the turn buckle. By reason of the resiliency of the arm or bar 9 the latch lip will be normally sustained in locking relation to the turn buckle for sustaining it in its adjusted position.

From the foregoing description, taken in connection with the accompanying drawings, it is thought that the construction and operation of the invention will be clearly understood, and therefore a more extended explanation has been omitted.

What is claimed is:—

A turn buckle lock comprising a turn buckle, a pair of rods adjustably threaded in opposite ends of the turn buckle, a resilient member integrally formed with one of the rods and having a right angularly disposed

locking lip adapted to engage in the turn
buckle for sustaining the same in adjusted
position, and a hook-like terminal formed
on the lip and having its free end spaced
5 from one side of the turn buckle whereby
the said locking lip can be manually disen-
gaged from the turn buckle.

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

BERTRAM L. FORD.

Witnesses:

CHAS. A. CARLETON,
A. W. CLARKE.