J. W. ROBERTS.

STANDARD LOCK.

APPLICATION FILED OCT. 28, 1919.

1,351,402. Patented Aug. 31, 1920.

Fig. 1.

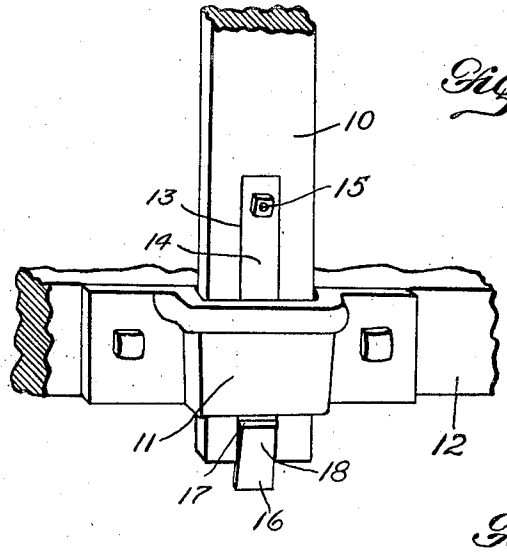


Fig. 2.

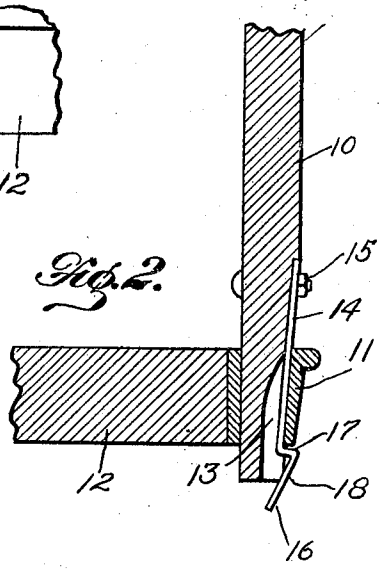
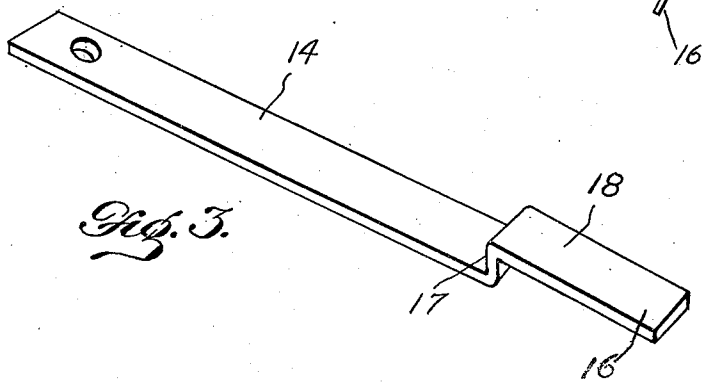


Fig. 3.



Witnesses

J. A. Balster.

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UNITED STATES PATENT OFFICE.

JOHN W. ROBERTS, OF OKLAHOMA, OKLAHOMA, ASSIGNOR OF ONE-THIRD TO RALEIGH L. WEBSTER AND ONE-THIRD TO WILLIAM P. CORNETT, BOTH OF OKLAHOMA, OKLAHOMA.

STANDARD-LOCK.

1,351,402. Specification of Letters Patent. Patented Aug. 31, 1920.

Application filed October 28, 1919. Serial No. 333,945.

To all whom it may concern:

Be it known that I, JOHN W. ROBERTS, a citizen of the United States, residing at Oklahoma city, in the county of Oklahoma and State of Oklahoma, have invented new and useful Improvements in Standard-Locks, of which the following is a specification.

The object of the invention is to provide a simple inexpensive and efficient means for preventing the accidental dismounting of a wagon standard from a socket or keeper when the wagon body or truck is empty and when under ordinary circumstances the liability exists that the standard will be displaced by the jarring of the vehicle in traversing rough roads, and with this object in view the invention consists in a construction and combination of parts as shown in the accompanying drawings, it being understood that changes in form and proportion may be resorted to without departing from the principles involved.

In the drawings:

Figure 1 is a perspective view of a standard mounted in a socket or keeper of the ordinary or well known commercial form.

Fig. 2 is a sectional view of the same taken vertically through the locking means.

Fig. 3 is a detail view of the locking member.

In the construction illustrated the standard 10 as in the ordinary practice is adapted to be fitted at its lower end in a socket or keeper 11 which is attached to the vehicle body or truck 12 and is adapted to be held in position when the wagon body is loaded, by the contact of the contents thereof or the pressure of said contents against the standard causing tendency to deflect the same. In a longitudinal channel 13 formed in the surface of the standard 10 is fixed a spring metal tongue 14, held in place by a rivet 15 or similar fastening device and extended at its free end slightly beyond the lower end of the standard to form a grip or finger hold 16. At an intermediate point of its length, and near the free or grip end the tongue is deflected outwardly to form a shoulder 17 adapted when the standard is in its normal position in the keeper to occupy a position below the lower edge of the keeper so as to engage the latter and serve as a means of preventing the accidental displacement or removal of the standard from the socket or seat in the keeper. From the outer portion of the shoulder thus formed on the tongue the latter is inclined to the plane of the grip or finger hold 16 to form a beveled face 18, and the channel or groove in the standard is cut away toward the lower or free end of the tongue, so that in inserting the standard into the keeper, it is unnecessary to particularly manipulate the locking tongue. The bevel surface 18 will serve to depress or repress the free end of the tongue sufficiently to permit the shoulder 17 to pass through the keeper and after the standard has been fully inserted, the outward spring tendency of the tongue will cause the projection of the shoulder 17 below the lower edge of the keeper so as to constitute a means of preventing the accidental displacement or removal of the standard.

Obviously in order to remove the standard it is simply necessary to grasp the lower end of the spring tongue by the grip or finger hold 16 and depress sufficiently to disengage the shoulder 17 from the lower edge of the keeper until the standard has been raised sufficiently to receive the offset portion of the tongue into the socket or seat of the keeper.

It will be understood moreover that the locking device as described adds but slightly to the cost of the standard and may readily be applied and replaced if broken, and that it will effectually prevent the accidental dismounting of standards in connection with which it may be used.

What is claimed is:—

In combination with a wagon standard and the keeper in which it is seated, of a spring tongue secured at one end to and extending longitudinally of the standard and projecting at its free end beyond the extremity of the standard to form an accessible finger hold or grip below the lower end of the keeper, and provided at an intermediate point adjacent to its free end with an offset forming a shoulder for engagement with the lower edge of the keeper, said tongue being rearwardly or inwardly deflected from said shoulder to the extended grip or finger hold to facilitate insertion of the tongue carrying standard into the seat of said keeper.

In testimony whereof I affix my signature.

JOHN W. ROBERTS.