No. 897,929. PATENTED SEPT. 8, 1908.

G. H. RIDOUT.

DETACHABLE SHELF FOR STORE LADDERS.

APPLICATION FILED MAY 23, 1908.

Fig. 1.

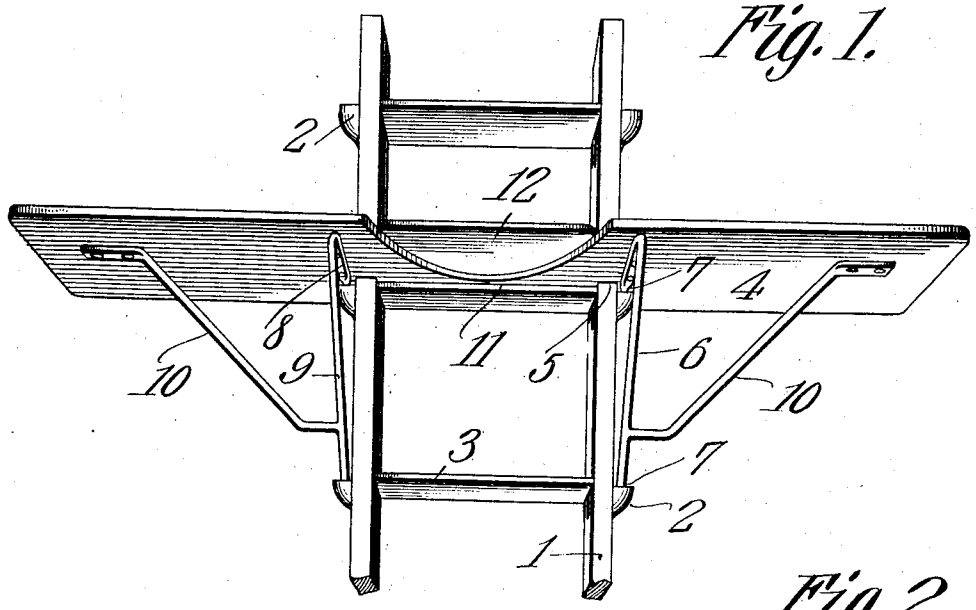


Fig. 2.

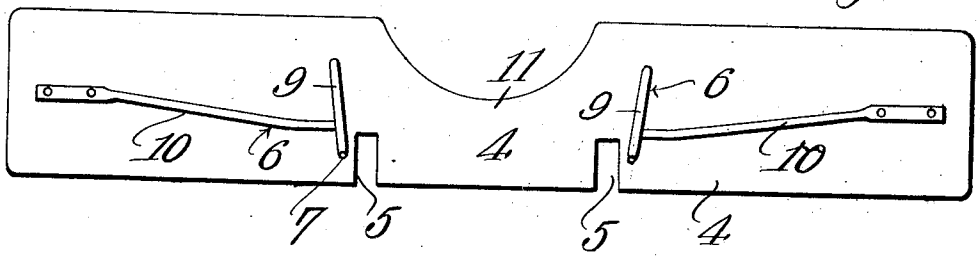
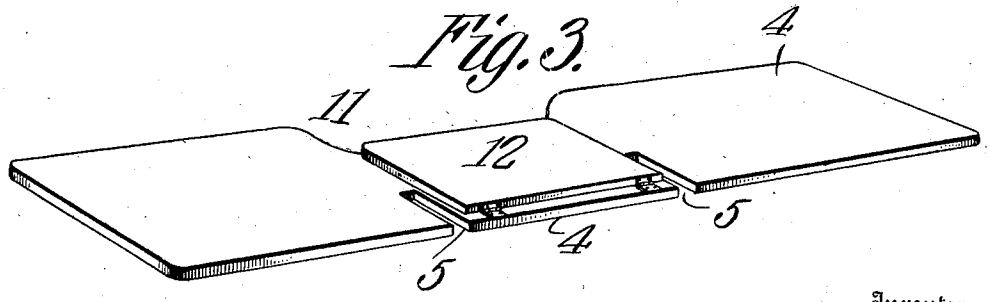


Fig. 3.



Witnesses

E. J. Stewart

E. Harris

Inventor

George H. Ridout.

By Cushman & Co.

Attorneys

UNITED STATES PATENT OFFICE.

GEORGE HENRY RIDOUT, OF LULING, TEXAS.

DETACHABLE SHELF FOR STORE-LADDERS.

No. 897,929. Specification of Letters Patent. Patented Sept. 8, 1908.

Application filed May 23, 1908. Serial No. 434,590.

To all whom it may concern:

Be it known that I, GEORGE HENRY RIDOUT, a citizen of the United States, residing at Luling, in the county of Caldwell and State of Texas, have invented new and useful Detachable Shelves for Store-Ladders, of which the following is a specification.

This invention has relation to detachable shelves for store-ladders and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a detachable shelf for a store-ladder which may be conveniently used for holding goods about to be placed upon the store shelves or while being removed therefrom and which may also be used as a platform upon which a person may stand while handling the goods upon the upper tiers of shelves.

The shelf is of simple construction and may be easily and readily detached from or applied to the store-ladder.

The attachment consists primarily of a shelf having end portions which are separated from each other by a recess and each end portion is provided with a bracket which is adapted to engage sockets mounted at the sides of the ladder. A leaf is hingedly connected with the shelf at the rear edge thereof and opposite the recess which divides the end portions of the said shelf. The said leaf may be swung up so that a person may pass up along the ladder and through the said recess between the end portions of the shelf and may ascend on the ladder above the shelf when the said leaf may be swung down over the recess whereby a platform is provided upon which the said person may stand while arranging the goods upon the upper tiers of shelves.

In the accompanying drawing:—Figure 1 is a perspective view of the attachment applied to a ladder. Fig. 2 is a bottom plan view of the attachment, and Fig. 3 is a perspective view of the upper portion of the attachment detached.

The ladder 1 is provided at the outer of its sides with the pockets 2 which are preferably located in alinement with the ladder-rounds 3. The shelf 4 is provided at its rear edge with the notches 5 which are adapted to receive the uprights of the ladder 1. The brackets 6 are attached to the under side of the shelf 4 and support the end portions of the said shelf. The said brackets are provided with the pintles 7 which enter the sockets 2. The said brackets are of peculiar configuration and each comprises a horizontal portion 8 which lies under the end portion of the shelf 4 and the downwardly inclined portion 9 which is pitched at an angle to the upright of the ladder 1. The brace portion 10 connects at its lower end with the portion 8 and at its upper end with the outer portion of the shelf 4. The pintles 7 are provided at the ends of the portions 8 and 9. By providing brackets of such configuration the end portions of the shelf 4 are thoroughly and effectually braced. The end portions of the shelf 4 are separated or defined by a recess 11 provided at the forward end of the said shelf 4 and at a point intermediate of its end. The leaf 12 is hingedly connected with the rear end portions of the shelf 4 and may be swung in between the uprights of the ladder 1 or may be swung into a plane above the recess 11 which defines the end portions of the shelf 4.

From the foregoing description it will be seen that a shelf attachment is provided for a ladder which may be easily and quickly adjusted upon the ladder or removed therefrom and when in position upon the ladder the leaf 12 may be swung up so that one ascending the ladder 1 may pass through the recess 11 up above the shelf 4 and when above the said shelf the leaf 12 may be swung down over the recess 11 so that the shelf 4 and the leaf 12 may be used as a platform upon which a person may stand for the purpose of arranging the goods upon shelves in the upper tiers. Also when one is standing upon the lower portion of the ladder the top of the leaf 12 may be swung back and the end portion of the shelf 4 may be used as supports upon which the goods may be placed while being arranged upon the shelves or removed therefrom. By reason of the fact that the sockets 2 are located upon the outer sides of the ladder-uprights 1 and the recesses 5 in the shelf 4 receive the forward edges of the said uprights of the ladder, the attachment is held in place against stress in all directions except an upward thrust and consequently there is no danger of the attachment becoming displaced from the ladder by reason of weights applied to the upper sides thereof or by force applied in any other direction than shock immediately below. Thus as the ladder 1 is shifted from place to place, there is little or

no danger of the attachment becoming dislodged from its position upon the same. Again by reason of the fact that the sockets 2 are located in alinement with the ladder-rounds 3, the weight which is borne by the shelf 4 will have no tendency to bow or distort the uprights of the ladder 1 out of their proper vertical alinement.

Having described my invention what I claim as new and desire to secure by Letters-Patent is:—

1. In combination with a ladder an attachment comprising a shelf having at its rear edge notches for the reception of the uprights of the ladder, brackets attached to the under sides of the shelf and sockets mounted upon the uprights of the ladder for engagement with said brackets.

2. In combination with a ladder having upon the sides of its uprights sockets, an attachment comprising a shelf having at its rear edge notches for the reception of the uprights of the ladder, brackets mounted upon the under sides of the end portions of the shelf for engagement with the sockets upon the ladder.

3. In combination with a ladder having sockets mounted upon its uprights, an attachment comprising a shelf having end portions defined by a recess cut at the forward edge thereof, and brackets mounted upon the under sides of the shelf for engagement with the sockets.

4. In combination with a ladder having sockets upon its uprights, an attachment comprising a shelf having upon its under sides brackets for engagement with the sockets and being provided at its forward edge with a recess with defined end portions, a leaf hinged to the said shelf and adapted to swing over said recess.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GEORGE HENRY RIDOUT.

Witnesses:

L. A. RIDOUT,

BASSETT R. MILES.