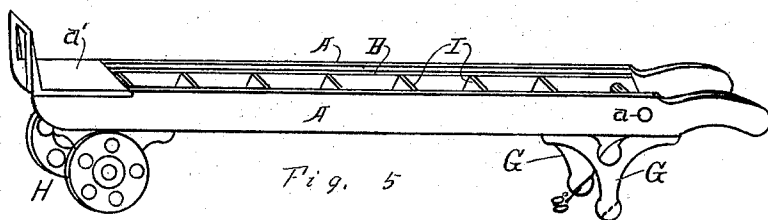
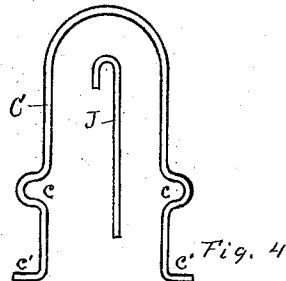
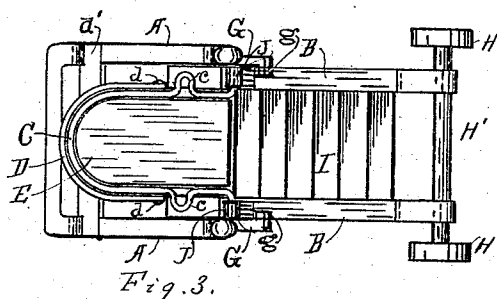
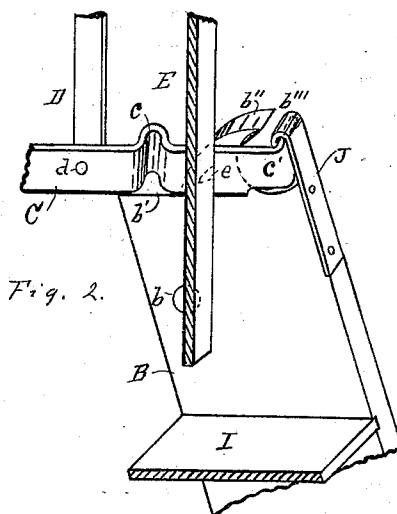
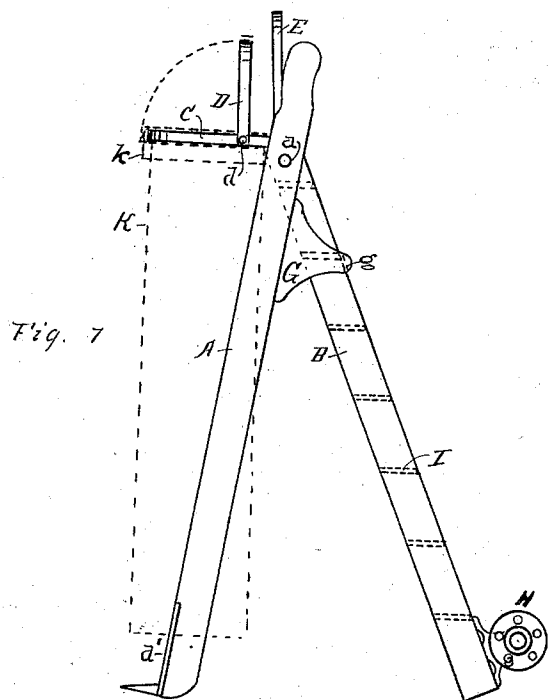


(No Model.)

A. S. HITCHINGS.  
STORE TRUCK.

No. 546,117.

Patented Sept. 10, 1895.



Witnesses:

John, L. Buchanan  
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# UNITED STATES PATENT OFFICE.

ARTHUR S. HITCHINGS, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO FRANK L. STEWART AND ALLEN P. COLLAR, OF SAME PLACE.

## STORE-TRUCK.

SPECIFICATION forming part of Letters Patent No. 546,117, dated September 10, 1895.

Application filed May 7, 1894. Renewed July 13, 1895. Serial No. 555,930. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR S. HITCHINGS, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Store-Trucks, of which the following is a specification.

My invention relates to a combined store-truck, step-ladder, and bag-holder, and its objects are, first, to provide a store-truck that may be immediately converted into a step-ladder and bag-holder, and vice versa; second, to provide a combined store-truck, step-ladder, and bag-holder with which the bag-holder attachment may be instantly attached or detached, and, third, to provide a combined store-truck and step-ladder with which the bag-holder attachment may be instantly converted into a shelf; and I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my device as a step-ladder. Fig. 2 is a perspective of the upper end of one of the step-ladder stiles, showing the manner of attaching the bag-holder and shelf. Fig. 3 is a top plan of the step-ladder and bag-holder with the shelf in position. Fig. 4 is a plan of the bag-holder loop and the hook that secures it to the ladder-stile, and Fig. 5 is a perspective of the device as a store-truck.

Similar letters refer to similar parts throughout the several views.

My store-truck proper consists of the stiles or side pieces A, the nose-piece *a'*, the legs G, and the wheels H, with the ladder-steps I as supports for any article being carried upon the truck. To form this into a step-ladder I pivot a pair of stiles B to the sides A of the truck, as at *a*, with the front end free to swing out to the positions shown in Fig. 1, and provide them with a series of steps I in position to be utilized as a step-ladder when the appliance is in the position shown in Fig. 1, the wheels H being supported upon the lower or front end of the step-ladder stiles, while the legs G are attached to the truck sides each side of the step-ladder stiles. I provide the inner side of the lower ends of the legs with projections *g*, that engage with and support

the stiles of the step-ladder, as indicated in Figs. 1 and 3.

My bag-holder consists of the bow C, which is bent at the ends to form the projecting bearings *c'*, arranged to engage with the hooks J, which in turn are secured to the back edges of the ladder-stiles to support the bow and its weight in such a manner that it may be readily removed by unhooking, and with offsets or bends *c* a short distance from the ends and in position to rest upon the tops of the stiles, and a short distance farther in, as at *d*, I pivot a second bow D, outside of the bow C, in position so that when the sack indicated at K in Fig. 1 is in position its upper end may be turned over the bow C, and secured by throwing the bow D down outside of it. I also pivot to the bow C, between the bearings *c* and *c'*, as at *e* in Fig. 2, a shelf E, that may be thrown down inside the bow C to form a shelf within the bag-holder, or it may be raised up, as in Figs. 1 and 2, to leave the bag-holder open for free access to the mouth of the bag, and is supported by pins *b* in the stiles.

*b'* is a square level surface on the upper end of the stiles for the reception and support of the offset *c* on the bow C, and *b''* is a curved ear or guide projecting up from the top of the stiles to act as guards for the hinge. To form the hinge I secure a hook J to the back edge of each stile, as shown in Fig. 2, the upper end of which is bent over toward the stile and cut off far enough above the stile to admit of introducing the hook *c'* on the back end of each arm of the bow C, so that the bow may be entered from the back of the ladder between the top of the hook and the guard *b''* and turned over to the position shown in Figs. 1 and 2, when the offsets *b'* will rest upon the tops of the stiles to support the bows.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination in a step ladder and store truck, of a bag holder pivoted to the top of the ladder stiles by a hinge consisting of hooks secured to the back edges of the stiles with a space between their ends and the tops

of the stiles for the introduction of corresponding hooks projecting out at right angles from the back ends of the bow that supports the bag, a guard and bearing surface on the stile, and supporting offsets on the arms of the bow, substantially as and for the purpose set forth.

2. The combination with a store truck having a step ladder pivoted to its upper end, of an adjustable bag-holder and shelf consisting of two hooks secured to the stop of the step-ladder stiles in position to receive the bow that supports the bag, a bow made U form with a hook on the end of each side bar in position to engage with the hooks on the step-ladder stiles, and offsets on the side bars in position to rest on the top of the ladder stiles, a second bow pivoted to the side bars of the first in position to shut down over the outside of the first, and shelf pivoted to close inside of

the first bow and be supported thereby, substantially as and for the purpose set forth.

3. In combination, a store truck, a step ladder pivoted to the upper end of the truck so that the lower ends may be thrown apart to complete the step ladder, a bag support, hooks secured to the back edges of the ladder stiles, arms projecting out at right angles with the arms of the bow to engage with the hooks on the ladder stiles, and offsets on the arms of the bow to rest on the tops of the stiles to support the bag holder, substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, this 2d day of May, 1894.

ARTHUR S. HITCHINGS.

In presence of—

GEORGE H. WHITE,  
ITHIEL J. CILLEY.