No. 785,029. PATENTED MAR. 14, 1905.

B. L. VORE.

BOX ROLLER OR TRUCK.

APPLICATION FILED NOV. 1, 1904.

Fig. 1.

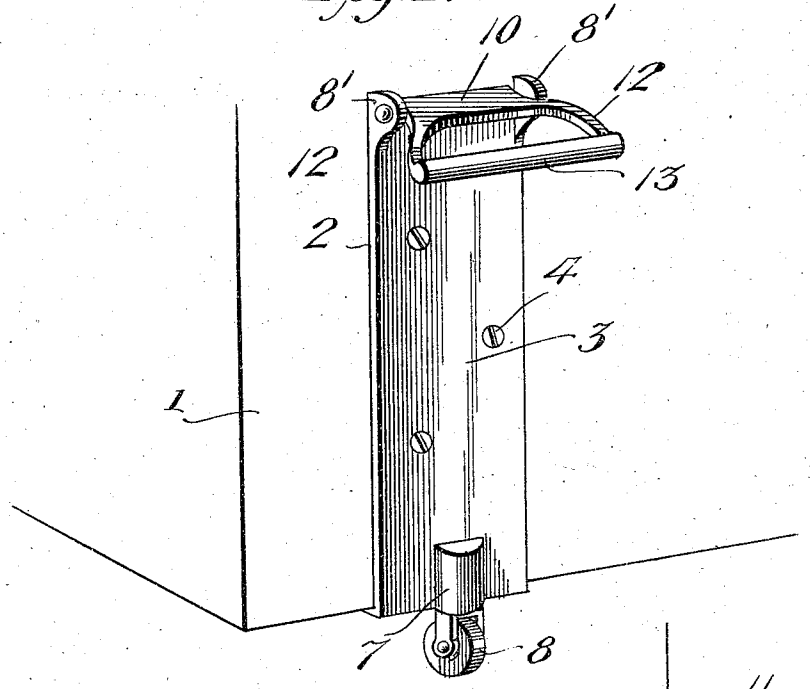


Fig. 3.

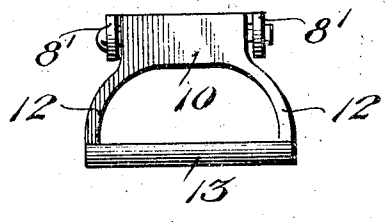
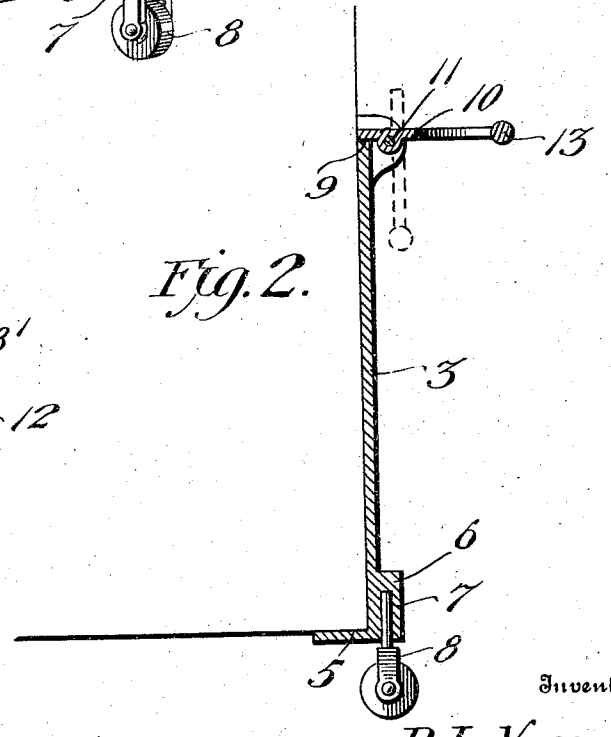


Fig. 2.



Witnesses

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No. 785,029. Patented March 14, 1905.

UNITED STATES PATENT OFFICE.

BYRON L. VORE, OF VANWERT, OHIO.

BOX ROLLER OR TRUCK.

SPECIFICATION forming part of Letters Patent No. 785,029, dated March 14, 1905.

Application filed November 1, 1904. Serial No. 231,020.

To all whom it may concern:

Be it known that I, BYRON L. VORE, a citizen of the United States, residing at Vanwert, in the county of Van Wert and State of Ohio, have invented new and useful Improvements in Box Rollers or Trucks, of which the following is a specification.

My invention relates to a handle and roller mounting whereby the roller-supports and pulling-handles of box-trucks may be most efficiently and conveniently applied to the body of the truck and whereby ordinary boxes may be quickly converted into trucks at comparatively small expense.

The object of the invention is to provide a device of this character which forms a common support for a roller and handle and which embodies novel construction and arrangement of elements securing advantages in the way of strengthening and applying the parts for convenient use, as will be hereinafter fully described, and particularly pointed out in the appended claims.

With this and other objects in view the invention consists of the features of construction, combination, and arrangement of parts hereinafter fully described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved handle and roller mounting and showing its application to the body of a truck. Fig. 2 is a central vertical section of the same, and Fig. 3 is a top plan view of the device detached.

The numeral 1 in the drawings represents the body of an ordinary box-truck, at or near the corners of which my improved handle and roller mountings are designed to be applied. As shown in Fig. 1, the mounting 2 comprises a body portion or bracket 3 in the form of a comparatively long and narrow vertical plate provided at suitable points with openings for the passage of screws or other fastenings 4 for securing it to one of the end or side walls of the box. The bracket or body plate is provided at its lower end with a flange or supporting-shoulder 5, projecting inwardly therefrom and adapted to extend beneath the bottom of the box to form a support therefor. The base of the bracket or body portion is further formed with a boss 6, having a socket 7 opening through the bottom thereof and adapted to receive the stem of a caster roller or wheel 8. As before stated, my improved mountings will be arranged in practice at or near the corners of the box 1, four of them in practice being employed, so that the box-body will be firmly supported and mounted for ready transportation, the free turning of the stems of the caster-wheels in the socket 7 permitting the truck to be moved freely in all directions.

The bracket or body portion 3 is provided at its upper end, on opposite sides thereof, with ears 8′, which extend above the upper edge 9 thereof, and between these ears is mounted a pulling-handle 10, comprising a body portion having a pintle 11 extending therethrough and journaled in the ears and upset or riveted at its ends to hold it from dislocation. The forward portion of the handle is slotted to provide forwardly-extending arms 12, which are connected at their outer ends by a hand-grip 13, the space between the body portion and grip formed by the curvature of the said arms 12 providing a recess to receive the fingers of the hand. Normally the handle assumes by gravity the vertical position shown in dotted lines in Fig. 2, and the pivotal connection of said handle permits it to be raised to a substantially horizontal position, so that an effective pull may be exerted thereon to pull or draw the truck-body 1. When in such position, it will be observed that the inner end of the body portion of the handle bears upon the upper edge of the bracket 3, whereby the handle is sustained and supported while the truck is being transported and its pivotal connection relieved from undue strain.

It will be observed that the body plate or bracket 3 not only adapts the supporting-roller and superposed handle for attachment to the body of a truck, but acts as a reinforce to mutually sustain the same in use, thus materially strengthening them and at the same time providing a more convenient way of attaching them to the truck. Both the supporting-roller and handle are simultaneously attached to the box-body by the simple applica-

tion of the bracket or plate 3, thus simplifying the operation of providing the box or truck body with its usual mountings. By constructing the mounting as described the operation of setting up ordinary box-trucks may be accomplished in a short time and with less labor than heretofore, and by simply applying the same to ordinary dry-goods or other boxes a truck may be formed from cheap material and yet perform the services of an ordinary box-truck.

From the foregoing description, taken in connection with the accompanying drawings, the construction and mode of operation of the invention will be understood without further extended description.

Changes in the form, proportions, and minor details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having thus fully described the invention, what is claimed as new is—

1. A device of the character described comprising a body-plate carrying a flange and supporting-roller at its lower end and having at its upper end ears and a reinforcing portion, and a handle pivoted to said ears and adapted when adjusted for use to engage said reinforcing portion.

2. A device of the character described, comprising a body portion or bracket having a caster-roller at its lower end and ears at its upper end, and a handle pivotally connected to said ears and adapted to normally assume a vertical position, and provided with a portion adapted to bear upon the upper edge of the bracket when moved to a horizontal position for use, substantially as described.

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

BYRON L. VORE.

Witnesses:
JOHN H. GRIBLER,
CLARK GOOD.