No. 657,129. Patented Sept. 4, 1900.

B. F. McCOLLISTER.

ROLLER TRUCK.

(Application filed Dec. 9, 1899.)

(No Model.)

Fig. 1

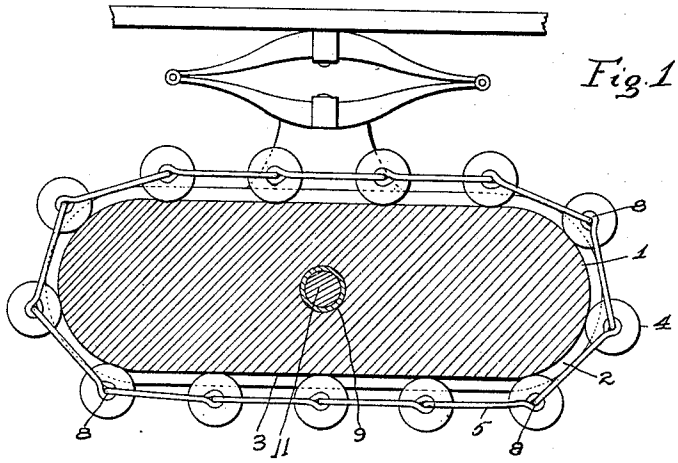


Fig. 2

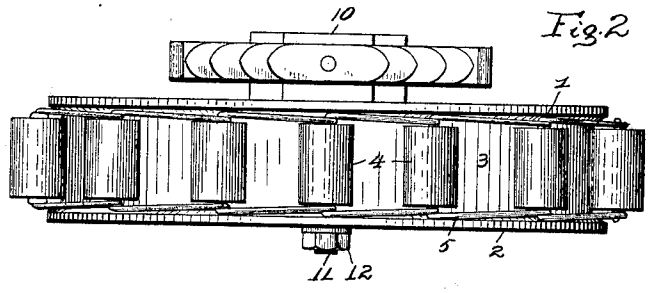
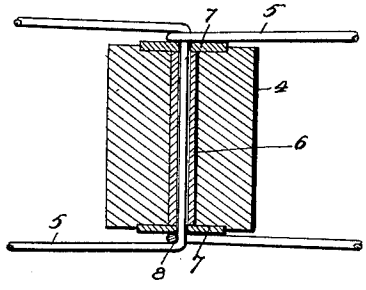


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

BENJAMIN F. McCOLLISTER, OF CALIFORNIA, MISSOURI.

ROLLER-TRUCK.

SPECIFICATION forming part of Letters Patent No. 657,129, dated September 4, 1900.

Application filed December 9, 1899. Serial No. 739,854. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. McCOLLISTER, of the city of California, Moniteau county, State of Missouri, have invented certain new and useful Improvements in Roller-Trucks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

This invention relates to roller-trucks; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

The object of this invention is to construct a roller-truck for use in moving houses and similar structures, said roller-truck being also provided with a means whereby it can be applied to wagons and other vehicles.

Figure 1 is a side elevation showing the rollers in position and one of the guide-plates removed. Fig. 2 is a top view of my complete invention. Fig. 3 is a longitudinal sectional view of one of the rollers.

In the construction of this invention I provide a roller-plate 1, of a suitable length and rounded at its ends in the manner shown in Fig. 1. A guide-plate 2, of similar shape, but which projects beyond the edges of the plate 1, is attached to each side of said plate, thereby forming the roller-track 3. A plurality of rollers 4, of a length approximately equal to the breadth of the track 3, are provided and pivotally joined by the rods 5. Through each of the rollers 4 a tube 6 extends, and a plate 7 is located upon each end. The rod 5 extends through the tube 6 and through apertures in the center of the end plates 7 and outwardly a suitable distance, then turns at right angles and is pivoted to the rod on the preceding roller by the loops 8, through which said rod passes. The loops are prevented from outward lateral movement by the rod to which they are pivoted being bent similar to the rod having the loops. Said rod is also provided with loops 8 on its ends and is pivoted in a similar manner to the rod on the preceding roller. Each roller is provided with a rod and is similarly joined to the preceding roller, thereby forming a continuous chain around the plate, as shown in Fig. 1. An aperture 9 is in the center of the plate 1, and the bolster 10 may be attached to the plate 1 by means of the projection 11 and the nut 12.

In operation the device is placed beneath the house, the top of the bolster 10 resting against the under surface of the sill. The house is then moved, and the rollers all rotate, passing around the roller-plate 1. The plate is of such length that the weight is distributed over considerable distance, and thereby a more even passage is secured than if a single wheel were used at each corner of the house. The roller-plate may also be attached to wagon-axles, in which case the operation would be the same as when ordinary wheels are used.

This device is simple, easily operated, and costs little, and it is believed presents many advantages over devices ordinarily used for these purposes.

I claim—

1. The herein-described roller-truck, comprising the plate 1, the rounded sides 2 detachably secured to said plate 1, there being an aperture through the said sides and plate, a bolster 11 rotatably journaled in the said aperture, a plurality of rollers 4 mounted around the said roller-plate, and rods 5 extending through each of said rollers, each of said rods being secured to the rod carried by the preceding roller, substantially as specified.

2. In a device of the class described, a roller-frame, a suitable track around said frame, a plurality of rollers within said track, a tube 6 through each of the rollers, an apertured plate 7 secured upon each end of the said roller, a rod 5 projecting through the said tube, and plates within each of the rollers, the said rods being bent at right angles and having loops formed on their forward ends, to which the rod on the next adjacent roller is secured, substantially as specified.

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

BENJAMIN F. McCOLLISTER.

Witnesses:

JNO. W. MOORE,

BUFORD RUSSELL.