

M. Schwerin,

Caster.

No. 108,193.

Patented Oct. 11. 1870.

Fig. 1.

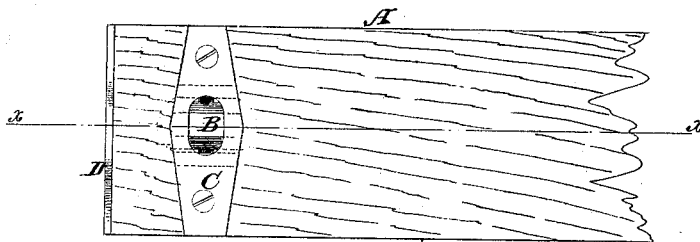
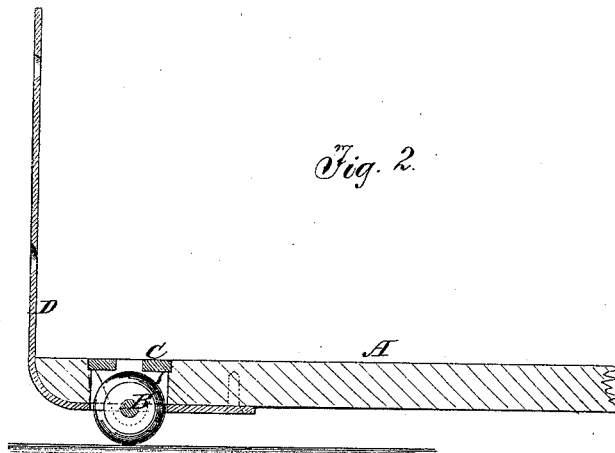


Fig. 2.



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MORRIS SCHWERIN, OF NEWARK, NEW JERSEY.

Letters Patent No. 108,193, dated October 11, 1870.

IMPROVEMENT IN CASTERS FOR TRUNKS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, MORRIS SCHWERIN, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Corner Friction-Rollers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in applying friction-rollers to the bottoms of trunks, boxes, chests, and other articles, and consists in the mode of applying and protecting the roll, as will be hereinafter described.

In the accompanying drawing—

Figure 1 represents a sectional top view of a bottom cleat, with the roller attached according to my invention.

Figure 2 is a vertical longitudinal section of fig. 1 on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is the cleat, one or more of which is fastened to the bottom of the trunk, chest, box, &c., in the usual manner.

B is the friction-roller, which revolves on a pin in ears attached to a fastening-plate, C, which plate is screwed to the upper side of the cleat, as seen in fig. 1, so that the roller will project through the cleat, as seen in fig. 2.

An orifice, of suitable size to admit the roll and the ears on the plate, is made through the cleat, thus reversing the usual mode of attaching these rolls.

The plate C may be made with ends turned at right angles, so as to receive the cleat and strengthen the connection, as seen in fig. 1.

D is a metallic strap, which is attached to the under side of the cleat, and turned up onto the side of the trunk or other article to which it is fastened.

There is an orifice made through this strap which receives the roll, as seen in fig. 2, but sufficient room is given for the roll to play freely. This strap is in contact with the pivot ears, and prevents the pivot pin from moving outward in either direction, and serves to strengthen the roller as well as the corner of the trunk, box, or chest.

By putting the roll through the cleat and strap as represented, it is entirely protected from danger of being broken or displaced.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The cleat A, roller B, the plate and ears C, and the strap D, combined, arranged, and operating substantially as and for the purposes described.

MORRIS SCHWERIN.

Witnesses:

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