

(No Model.)

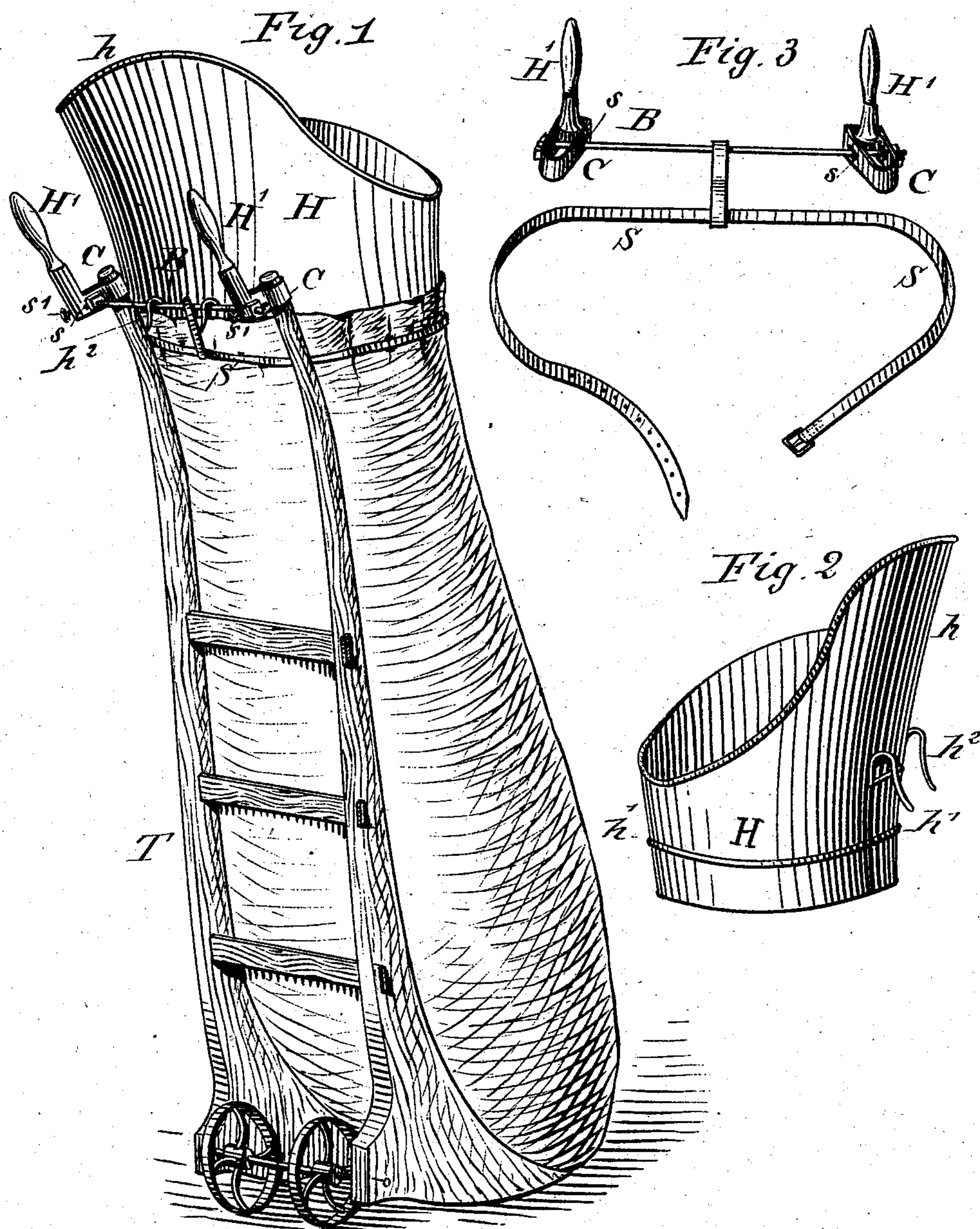
L. ROHMER.

2 Sheets—Sheet 1.

BAG HOLDER.

No. 290,114.

Patented Dec. 11, 1883.



Witnesses
H. A. Daniels
O. M. D. Gaultier.

Inventor,
Leon Rohmer
per Henry Orth
att'y

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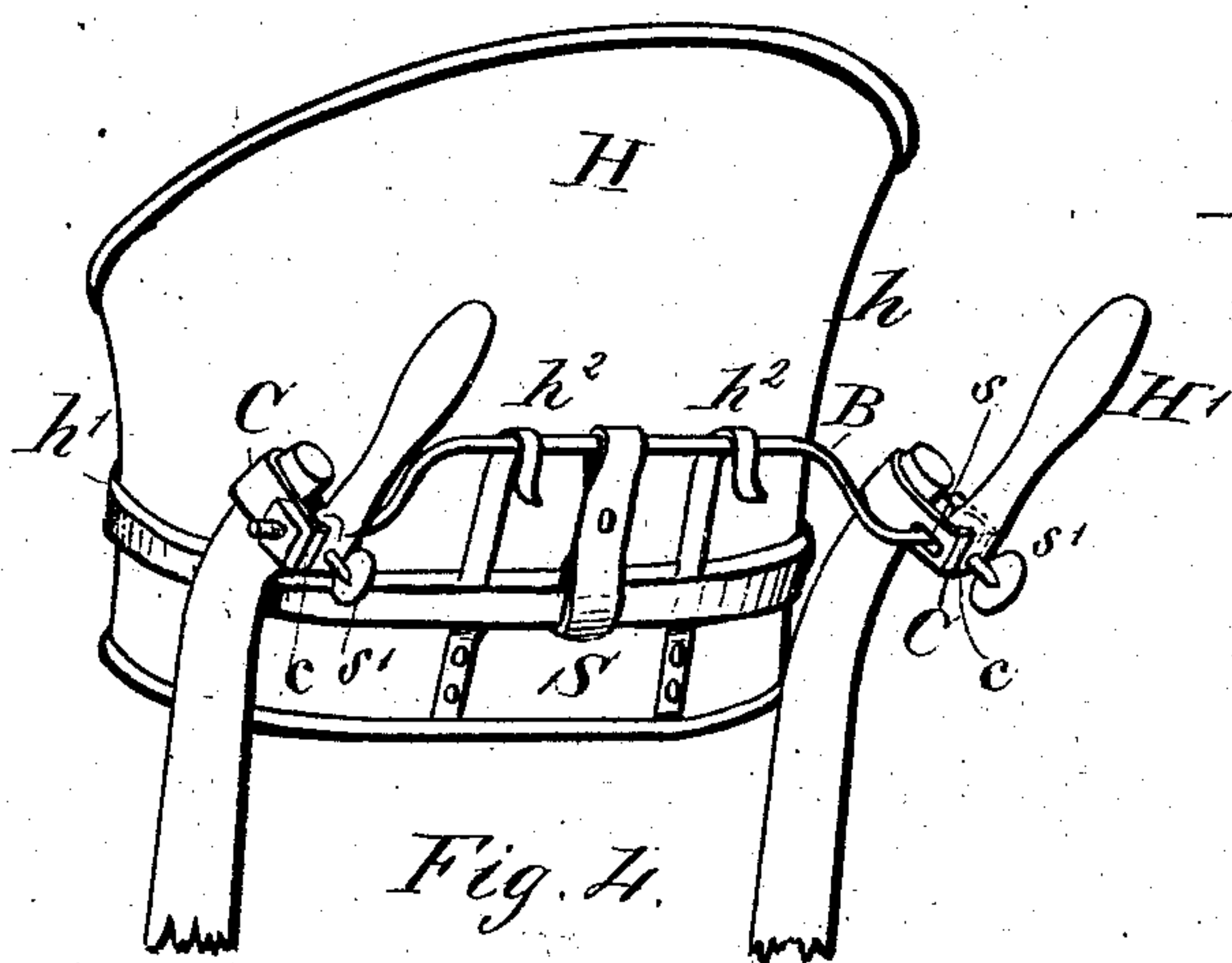


Fig. 4.

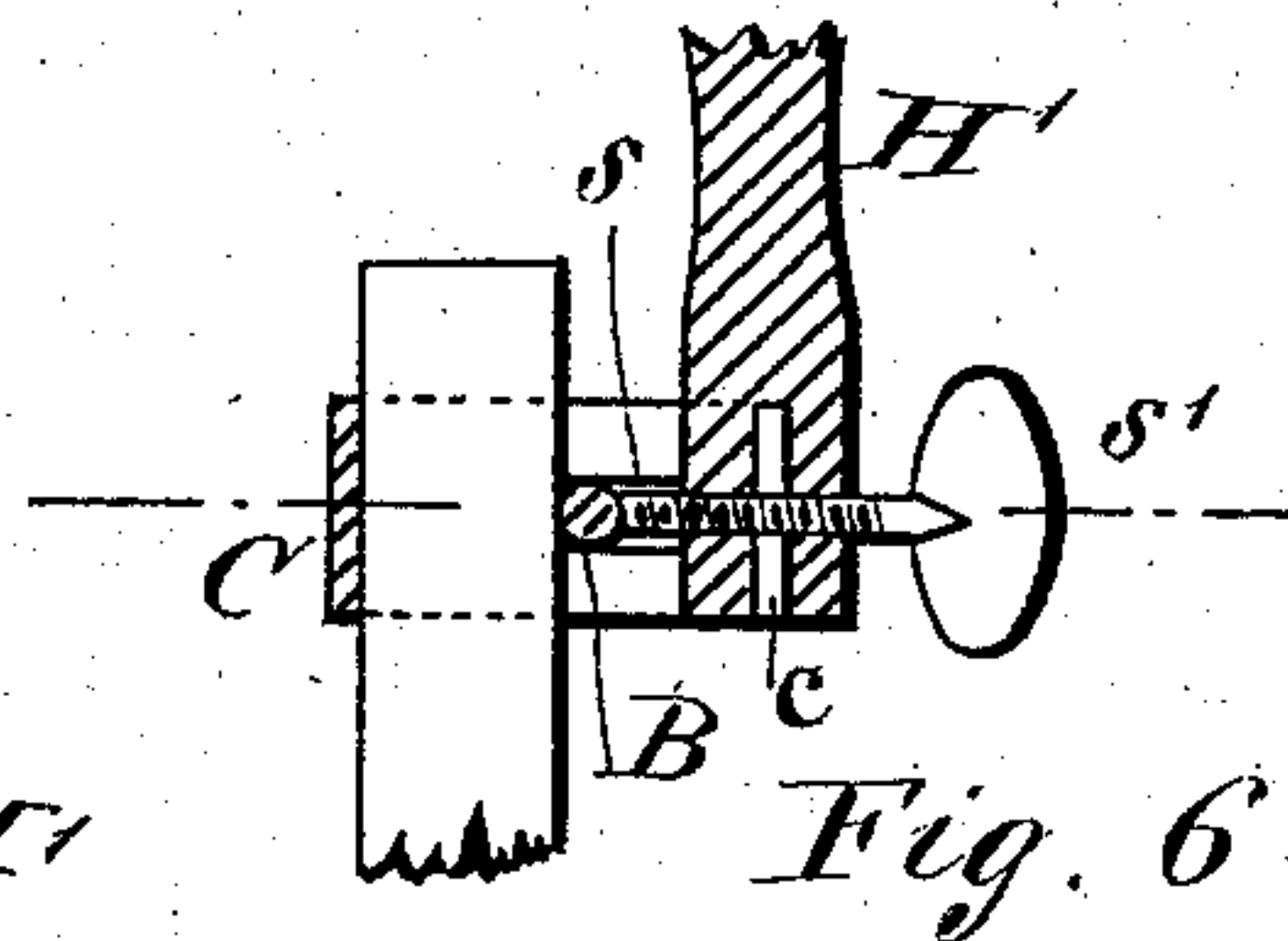


Fig. 6.

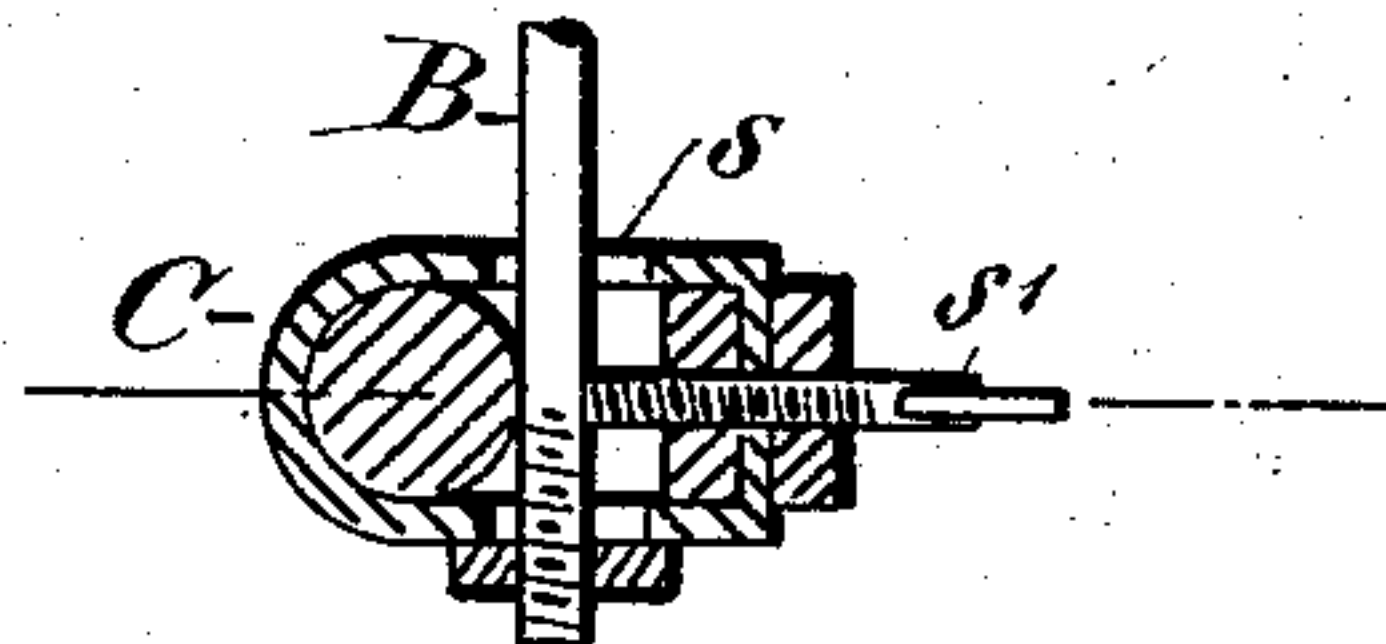
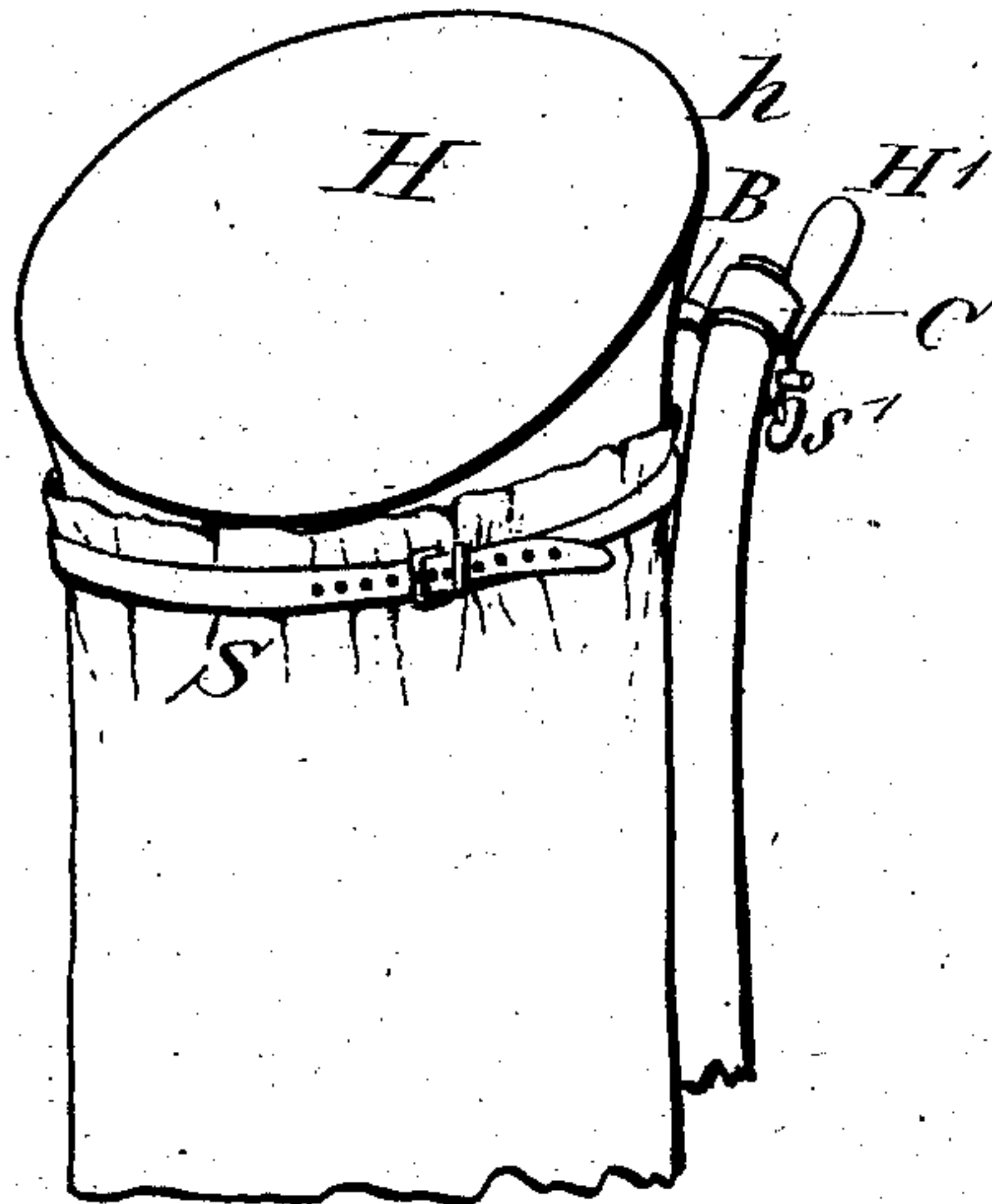


Fig. 7.

Fig. 5.



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UNITED STATES PATENT OFFICE.

LÉON ROHMER, OF RAMBERVILLERS, FRANCE.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 250,114, dated December 11, 1883.

Application filed August 21, 1882. (No model.) Patented in France February 1, 1882, No. 147,153; in Belgium April 28, 1882, No. 57,752; in Germany May 1, 1882, No. 20,298; in Spain May 6, 1882, No. 3,157; in Austria-Hungary May 9, 1882, No. 16,237/1,160 and No. 23,962/1,147; in England May 10, 1882, No. 2,206, and in Italy May 22, 1882, No. 14,235.

To all whom it may concern:

Be it known that I, LÉON ROHMER, a citizen of the French Republic, residing at Rambervillers, in the French Republic, have invented certain new and useful Improvements in Bag-Holders, (for which I have obtained Letters Patent in France, No. 147,153, under date of February 1, 1882; in Belgium, No. 57,752, under date of April 28, 1882; in Germany, No. 20,298, dated May 1, 1882; in Austria-Hungary, Nos. 1,147/23,962, dated May 9, 1882; in Italy No. 14,235, dated May 22, 1882; in Spain, No. 3,157, dated May 6, 1882, and in England, No. 2,206, dated May 10, 1882;) and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to a novel device and combination of devices for holding bags when being filled; and it consists in the construction, arrangement, and combination of devices, substantially as hereinafter fully described, and specifically pointed out in the claims, and as shown in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved bag-holder, showing its application to a hand-truck and holding the bag ready for filling. Fig. 2 is a like view of the spout; and Fig. 3 is also a perspective view of the suspensory appliances for the spout. Fig. 4 is a perspective view, showing clearly the manner of suspending a bag from a hand-truck. Fig. 5 is a like front view of Fig. 4. Fig. 6 is a vertical transverse section, and Fig. 7 a horizontal transverse section, showing the construction of handle, its sleeve, and the means for attaching the same to a hand-truck.

Like letters of reference indicate like parts wherever such may occur.

H is a feed hopper or spout, having its back h extended upward considerably above its front, as shown, and being provided with a peripheral swell or bead, h' , and a pair of

hooks, h^2 , attached to said back a little above the bead or swell. The enlarged back of the hopper H prevents the grain from spilling when poured in rapidly, as would necessarily be the case where no such provision is made, unless great care is had in feeding the grain to the hopper. The bead or swell h' serves as a stop to prevent the bag from slipping off the hopper while being filled and held suspended, and the hooks h^2 serve to suspend the hopper from any suitable support.

The above-described elements, in combination with a suitable rack or stand or other support, and a strap, cord, or analogous article for attaching the mouth of the bag to the hopper above the bead or swell, constitute in themselves a convenient bag filling and holding device; yet it is in most cases not only desirable, but necessary, that the bags should be moved from the point where filled as fast as they are filled, and with the devices above referred to it would necessitate the removal of the bag from the rack or supporting device to a conveyance to remove it. This may be avoided by providing an ordinary hand-truck, T, with an additional cross-bar, B, between the handles, sufficiently elevated from the bed of the truck to hold the bag at full length when attached to the feed-hopper and when the latter is suspended from the cross-bar. As all bags are, however, not of the same length, an adjustment of the cross-bar becomes necessary. This may be readily effected by any preferred means. To facilitate this adjustment, and to enable me to construct the bag holder and filler for use upon hand-trucks generally, as an attachment therefor I have provided the cross-bar B at both ends with clamping-sleeves C, having elongated slots s in their opposite sides, through which the cross-bar passes. These clamping-sleeves may be made of a flexible material—such as sheet metal—split at one end, and the ends of the cross-bar may be screw-threaded for the purpose of tightening the sleeves by means of nuts when applied to the handles of a hand-truck. This hold upon the handles by the clamping devices would be sufficient to hold the bag in position while being filled, and as

the slots *s* are of such length as to allow considerable lateral play to the cross-bar, the clamping-sleeves may be fitted to trucks having handles of various thicknesses, and adjusted at any proper height along such handles.

To insure against accidental displacement the clamping-sleeves *C* may each have a set-screw, *s'*, arranged to impinge upon cross-bar *B*, when adjusted thereon.

The cross-bar *B* carries a strap, *S*, or equivalent device, suspended therefrom, whereby the bag is tied or strapped to the hopper *H*. When the attachment is, however, applied to trucks of just sufficient height of handles to apply the clamping-sleeves *C* and hold the bag at full length, it would be difficult to take hold of the handles for removing the truck. To provide for this, I attach the clamping-sleeves to handles *H'*, as shown in Figs. 1, 3, 4, 5, and 6, in which case the sleeve need not be split at one end, the attachment being held to the handles of the truck by the set-screw *s'*, arranged to impinge upon the cross-bar *B*. The clamping-sleeves are made of a strip of metal bent to proper shape, having its ends *c* bent at right angles and inserted from opposite sides into the base or stock of the handle *H'*, as shown in Figs. 4 and 6.

By means of the above-described construction of bag holding and filling attachment for hand-trucks, I provide a simple and efficient means whereby a bag may be held at full length upon a hand-truck, and the mouth of such bag held distended around a feed-hopper constructed to avoid the spilling of the grain while being poured in or fed to said hopper.

Of course I do not wish to limit the use of the devices to hand-trucks only, as they may be used in conjunction with any suitable support for the feed-hopper, nor do I wish to limit myself to the use of the feed-hopper described, as it is obvious that any other suitable device for distending the mouth of a bag that may be suspended from the cross-bar may be employed.

Having now described my invention, what I claim is—

1. In a bag-holder, a feed-hopper to which the bag is secured, having hooks *h*², in combination with a suspensory-bar, *B*, and strap *S*, all constructed for co-operation with a bag, as set forth.

2. The combination, with a hand-truck, of a bag-holder composed of a bar, *B*, clamping devices for attaching the same to the handle of said truck, and a feed-hopper, to which the bag is attached, constructed and adapted to be suspended from said cross-bar *B*, substantially as described, for the purpose specified.

3. The combination, with a hand-truck, of a bag holding and filling device, consisting of a cross-bar, *B*, clamping-sleeves *C*, adjustable upon said bar, means, substantially as described, for locking the bar and sleeves to the handles of said truck, and a feed-hopper, to which the bag is attached, constructed and adapted to be suspended from the cross-bar, substantially as and for the purpose specified.

4. The combination of the hand-truck with the bag holding and filling attachment, consisting of two clamping-sleeves provided each with a handle, a connecting-rod for and upon which said sleeves are adjustable, both longitudinally and laterally, and means to attach a bag to and support it from said connecting-rod and hold its mouth distended, said attachment being constructed for application to the handles of a hand-truck and adjustment thereon vertically, as set forth, for the purposes specified.

5. The combination of the cross-bar *B*, having its ends threaded, the tightening-nuts, and the sleeves *C*, having elongated slots *s*, with the handles of a hand-truck, as and for the purpose specified.

6. The combination of the cross-bar *B*, the sleeves *C*, handles *H'*, and the set-screws *s'*, with the handles of a hand-truck constructed as described, for the purpose specified.

7. The combination of a hand-truck with a bag holding and filling attachment, consisting of the sleeves *C*, handles *H'*, set-screws *s'*, cross-bar *B*, strap *S*, and the hopper *H*, all constructed for co-operation with and application to a hand-truck and bag, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of May, 1882.

LÉON ROHMER.

Witnesses.

A. BARBOT,
E. CLAUDET.