

Aug. 8, 1939.

E. J. SCHOENLAUB

2,168,962

GARMENT SACKER

Filed Feb. 20, 1939

3 Sheets-Sheet 1

Fig. 1.

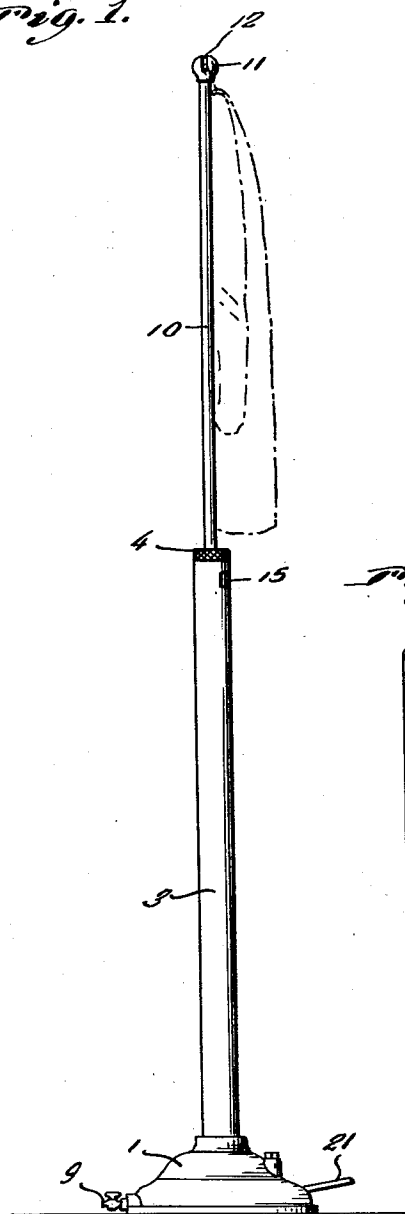


Fig. 6.

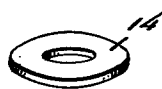
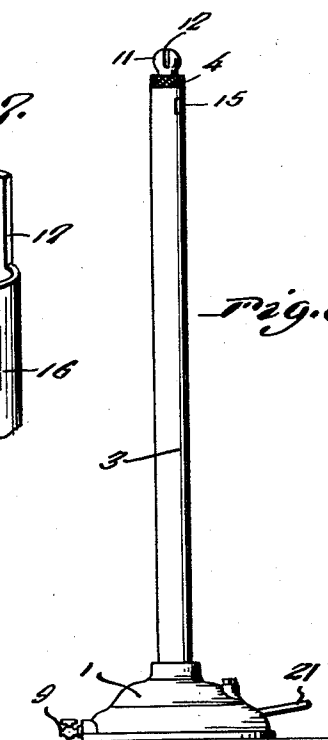


Fig. 7.



Fig. 8.



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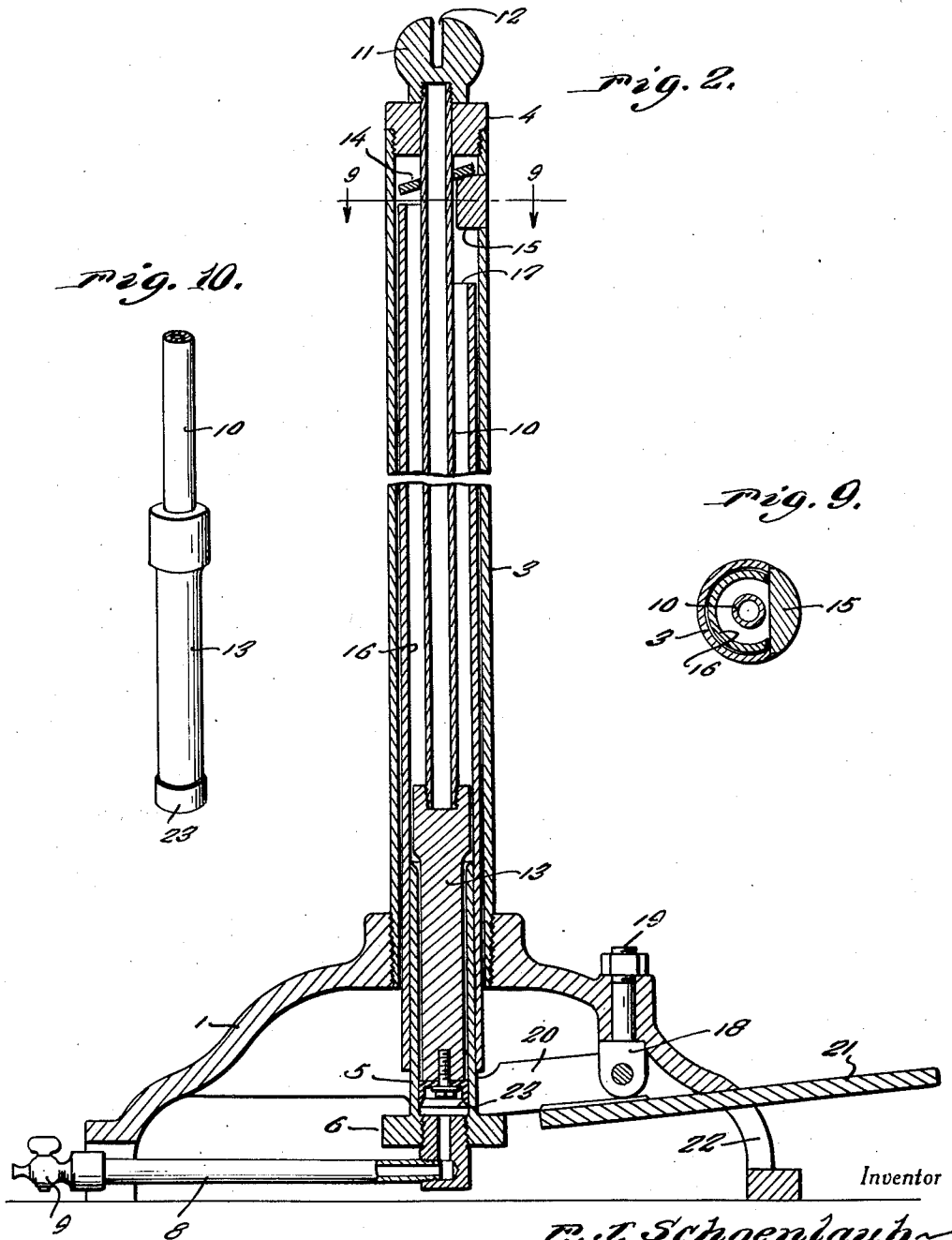
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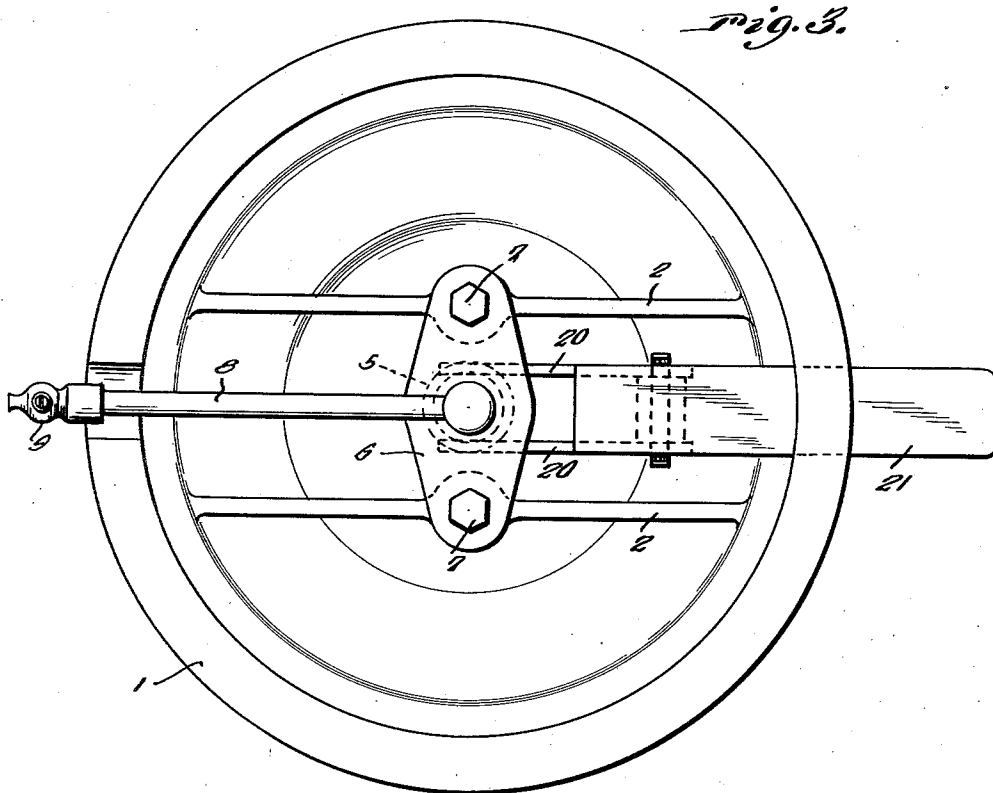
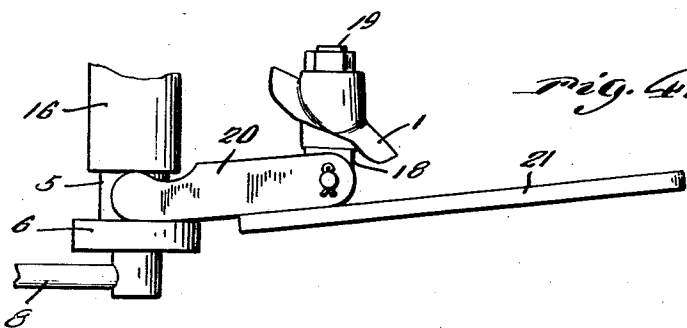
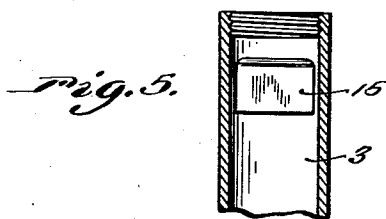
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3 Sheets-Sheet 3



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UNITED STATES PATENT OFFICE

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GARMENT SACKER

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Application February 20, 1939, Serial No. 257,559

3 Claims. (Cl. 226—18)

The present invention relates to new and useful improvements in garment sackers for use particularly in cleaning and pressing establishments where a large number of garments, after being mounted on a hanger, are inserted in a protective covering in the form of a paper bag for delivery.

The primary object of the invention is to provide, in a manner as hereinafter set forth, a device of the aforementioned character which is adopted to support a garment in elevated position to facilitate the placing of the bag thereon and which may then be expeditiously lowered for convenient removal of the bagged garment.

Another very important object of the invention is to provide a garment sacker of the character described comprising novel shock absorbing means for cushioning and quieting the apparatus when it is lowered.

Other objects of the invention are to provide a garment sacker of the character set forth which will be comparatively simple in construction, strong, durable, highly efficient and reliable in use, compact, portable and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is an elevational view of a garment sacker constructed in accordance with the present invention, showing the device in raised position.

Figure 2 is a view in vertical section through the sacker, showing the device in lowered position.

Figure 3 is a bottom plan view of the device.

Figure 4 is a detail view in side elevation of the releasing means.

Figure 5 is a vertical sectional view through the upper end portion of the tubular casing or post.

Figure 6 is a detail view in perspective of the locking ring.

Figure 7 is a perspective view of the upper end portion of the lock ring releasing member.

Figure 8 is an elevational view, showing the device in lowered position.

Figure 9 is a view in horizontal section, taken substantially on the line 9—9 of Fig. 2.

Figure 10 is a perspective view of the vertically moveable piston.

Referring now to the drawings in detail, it will

be seen that the embodiment of the invention which has been illustrated comprises a hollow base 1 of any suitable metal. Formed in the upper portion of the base 1 is a pair of integral, spaced parallel webs 2 the purpose of which will be presently set forth. Threadedly mounted on the base 1 is a tubular metallic post 3 the upper end of which is closed by a plug 4.

Extending upwardly into the lower end portion of the tubular post 3 in spaced, concentric relation thereto is a cylinder 5. The cylinder 5 is provided with a cross head 6 on its lower end which is secured to the webs 2, as at 7. This is shown to advantage in Fig. 3 of the drawings. Connected to the lower end of the cylinder 5 is a vent pipe 8 which extends through the lower portion of the base 1 and is provided with a regulating valve 9 on its outer end.

Operable vertically in the tubular post 3 is a tubular rod 10 which extends slidably through the plug 4. On the upper end of the rod 10 is a head 11 having formed therein a slot 12 for the reception of the hook of a garment hanger. Mounted on the lower end of the rod 10 is a piston 13 which is engageable in the cylinder 5.

Loosely mounted on the rod 10 in the upper portion of the tubular post 3 is a locking ring 14. A flange or lug 15 is provided in the upper portion of the tubular post 3 and engaged beneath one side portion of the ring 14 for "cocking" same for securing the rod 10 in raised position. Slidably mounted on the cylinder 5 is a sleeve 16 which extends upwardly into the tubular post 3 for engagement beneath the free side portion of the locking ring 14 for lifting same in a manner to release the rod 10. The upper end portion of the sleeve 16 is cut away on one side, as at 17, to accommodate the flange or lug 15. Mounted for swinging movement on the head 11 of a bolt 19 in the base 1 is a pair of arms 20 which straddle the lower portion of the cylinder 5 for engagement with the lower end of the sleeve 16. Fixed on the pivoted end portions of the arms 20 is a foot lever 21 which projects outwardly from the base 1 and which is operable in an opening 22 provided therefor in said base.

It is thought that the operation of the device will be readily apparent from a consideration of the foregoing. Briefly, the rod 10 is raised to elevated position where it is held by the locking ring 14. The hanger, with the garment thereon, is then mounted on the sacker by engaging the hook of said hanger in the slot 12 of the head 11. The sack or bag may then be conveniently pulled down over the garment, usually

from an overhead rack or support. Then, by depressing the foot pedal 21 the arms 20, which constitute a fork or yoke, are swung upwardly in a manner to elevate the sleeve 16 for lifting the lower side of the locking ring 14 thus releasing the rod 10 and permitting it to drop by gravity. Thus, the rod 10 is lowered out of the sacked garment which has been held in raised position by the operator. The fall of the rod 10 is cushioned and arrested by the piston 13 when it enters the cylinder 5. The escape of air from the cylinder 5 may be regulated as desired by the valve 9. A cup washer 23 is provided on the lower end of the cylinder 13.

It is believed that the many advantages of a garment sacker constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:

1. A garment sacker comprising a tubular post, a garment supporting rod mounted for vertical sliding movement in said post, a frictional locking member mounted in the post and engaged with the rod for releasably securing said rod in raised position, and means for releasing the rod, said means including a tubular member slidably mounted in the post and engageable with the

locking member for actuating same to released position, and a pivotally mounted foot lever operatively connected to the sleeve for elevating same.

2. A garment sacker comprising a base, a tubular post rising from said base, a garment supporting rod slidably mounted in said post, a locking ring mounted in the post and engageable with the rod for frictionally securing same in raised position, a sleeve slidably mounted in the post and engageable with the locking ring for lifting same for releasing the rod, a foot lever pivotally mounted on the base, and a yoke on one end of said foot lever engaged beneath the sleeve for lifting said sleeve.

3. A garment sacker comprising a base, a tubular post rising from said base, a garment supporting rod mounted for vertical sliding movement in the post, means for releasably locking said rod in elevated position, a cylinder mounted in the base and extending upwardly into the post in spaced, concentric relation thereto, a sleeve slidably mounted on said cylinder and extending upwardly therefrom into the post and engageable with the locking means for actuating same to releasing position, a foot lever pivotally mounted on the base and operatively connected to the sleeve for elevating said sleeve, and a piston on the lower end of the rod engageable in the cylinder.

ELMER J. SCHOENLAUB.