

J. WEIL.  
MOP WRINGER.  
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903,524.

Patented Nov. 10, 1908.

Fig. 2.

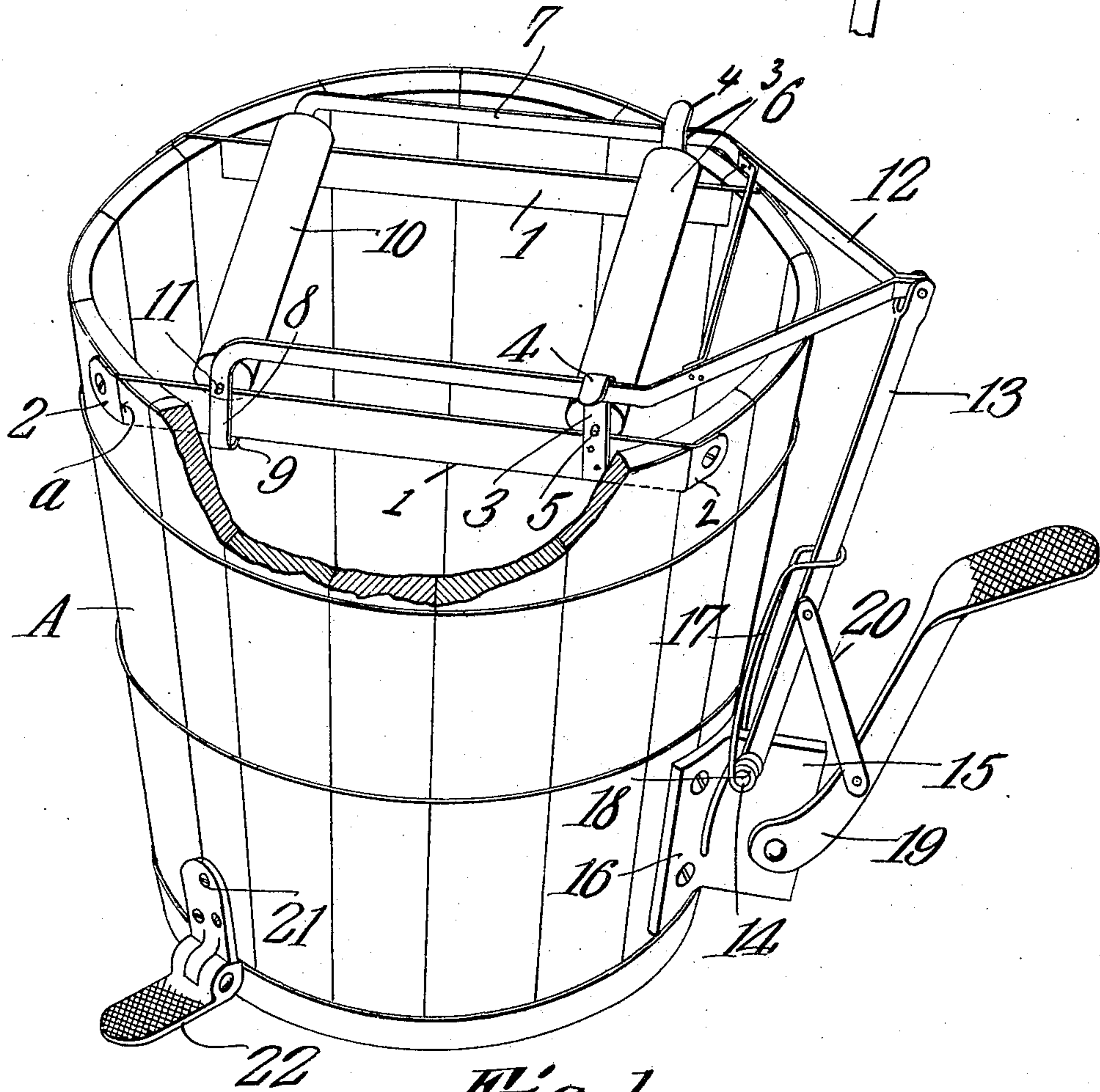
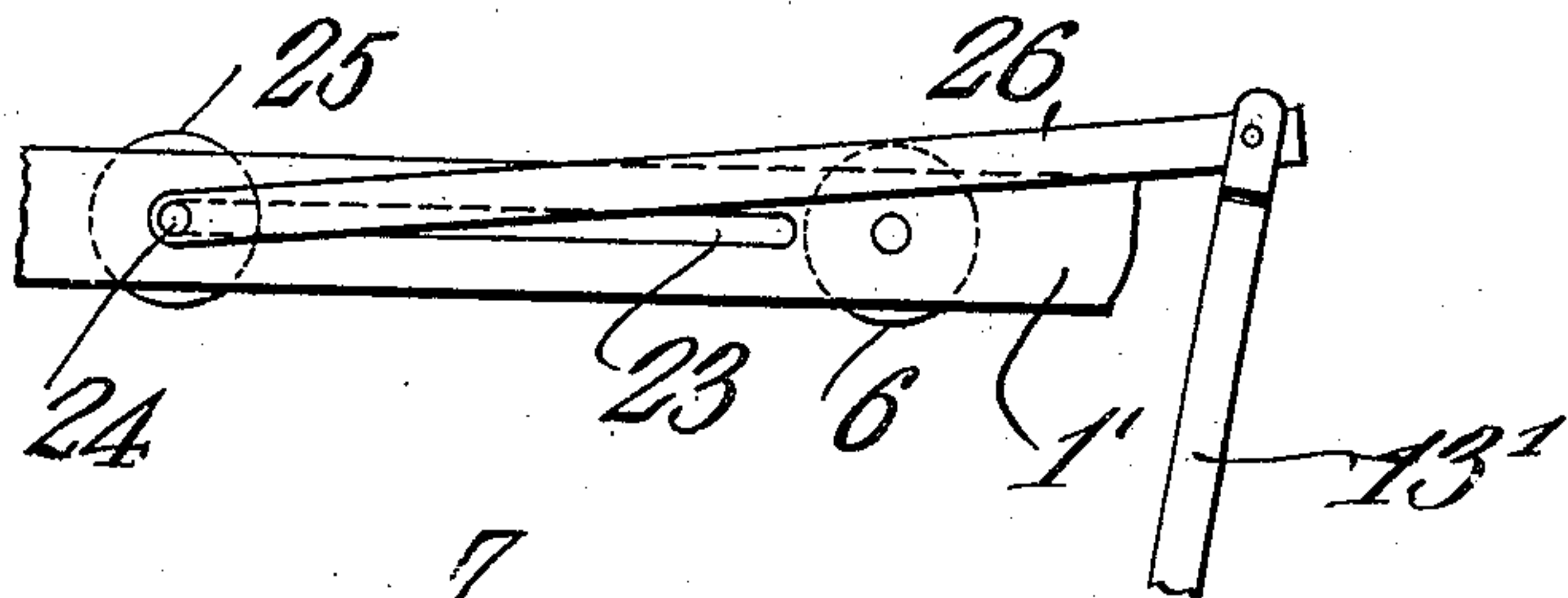


Fig. 1.

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# UNITED STATES PATENT OFFICE.

JOHN WEIL, OF MANSFIELD, OHIO.

## MOP-WRINGER.

No. 903,524.

Specification of Letters Patent.

Patented Nov. 10, 1908.

Application filed February 25, 1908. Serial No. 417,736.

*To all whom it may concern:*

Be it known that I, JOHN WEIL, a citizen of the United States, residing at Mansfield, in the county of Richland and State of Ohio, have invented a new and useful Mop-Wringer, of which the following is a specification.

This invention relates to mop wringers for use upon pails and the like and its object is to provide a wringer of this character which is simple, durable, and efficient, can be readily attached to a pail, and can be quickly operated by foot power to clamp upon an inserted mop and press the water therefrom when the mop is withdrawn from the pail.

Another object is to provide a wringer of this character which is formed of few parts and cannot therefore readily get out of order.

Another object is to provide a mop wringer, the parts of which are normally set so as to permit the insertion of a mop thereinto whenever desired.

With these and other objects in view the invention consists of certain novel features of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings: Figure 1 is a perspective view of the device. Fig. 2 is a detail view of a modified construction.

Referring to the drawing by characters of reference, A designates a pail of any preferred construction having slots *a* extending downward thereinto from its upper edge and seated within these slots are the end portions of parallel guide and supporting strips 1—1. Each of these strips has its ends bent against the outer face of the pail as indicated at 2 and secured thereto by means of screws or in any other preferred manner. Retaining strips 3 are secured upon strips 1 adjacent one end thereof, their upper ends terminating in outwardly extending stop fingers 4. Journaled within these strips or, if preferred, within the strips 1 are the necks or trunnions 5 of a roller 6. This roller is fixed relative to the other parts of the device but is of course designed to rotate as will be hereinafter set forth.

Arranged above the strips 1 is an elongated yoke 7, the terminals of which are bent downward past the outer face of the

strips 1 as shown at 8 and terminating in inwardly extending retaining ears 9 which project under the strips 1. A roller 10 is interposed between the side portions of the yoke and its necks or trunnions 11 bear loosely upon the strips 1 and are journaled within the downwardly extending terminals 8 of the yoke. The outer end or crown portion of the yoke is preferably angular in form as indicated at 12 and has a lever 13 pivotally connected thereto, the lower end of said lever being fulcrumed as at 14 upon a pin extending laterally from a web 15 which extends from a base plate 16 suitably secured to the pail near the bottom thereof. A spring 17 has its upper end portion looped about the lever 13 while its lower ends bear against the plate 16. Coils 18 are formed in the spring between the upper and lower portions thereof and are mounted on the pivot pin 14 of the lever. This spring obviously serves to hold the lever 13 normally pressed close to the pail A and therefore the roller 10 is normally spaced from the roller 6 as indicated in the drawings. A foot lever 19 is pivotally mounted upon the web 15 and is connected to lever 13 by means of a link 20.

It is to be understood that the normal positions of the parts are such as shown in the drawings. When it is desired to remove the water from a mop or other fabric the same is inserted into the pail and between rollers 6 and 10 whereupon the operator pushes down on the foot lever 19. Link 20 will pull lever 13 outwardly and a corresponding movement of the yoke 7 will be effected, said yoke pulling the roller 10 against the inserted fabric which is in turn clamped against the roller 6. The fabric can then be pulled upward from between the rollers, and the water will obviously be pressed therefrom and into the pail. Inasmuch as the yoke 7 necessarily has a certain downward swinging movement during the foregoing operation the stops 9 are normally positioned sufficient distances below the strips 1 to permit the necessary swinging movement of the yoke.

In order that the pail may be steadied during the wringing operation a plate 21 is preferably fastened thereto close to the bottom thereof and has a foot plate 22 hinged thereto. This foot plate is designed to swing downward onto the floor and one foot of the operator can be placed thereon, while the other one is actuating the lever 19. While



the pail is being transported this foot plate 22 can be swung against plate 21 so as to occupy the minimum space.

Instead of mounting the parts as shown in Fig. 1 the side strips 1' can be provided with longitudinal slots 23 to receive the trunnions 24 of roller 25 which roller is similar to the roller 10. The ends of the yoke 26 can therefore be connected directly to these trunnions and the guides 9 and 3 can be dispensed with.

The wringer can be used in connection with pails and like receptacles of any desired design or material, is simple, durable and efficient, and it is to be understood that various changes may be made in the construction thereof without departing from the spirit or sacrificing the advantages of the invention.

What is claimed is:

1. The combination with a receptacle; of guide strips extending thereacross, a relatively fixed roller journaled thereon, a yoke straddling and lapping the lower edges of

said strips, a roller carried by the yoke and bearing upon the strips to support the yoke, stops upon the strips and lapping the yoke, a foot lever, and means operated by the lever for actuating the yoke.

2. The combination with a receptacle; of guide strips extending there-across, a relatively fixed roller supported thereby, a yoke straddling and extending above the guide strips, a roller carried by the yoke and bearing on and guided by the strips, a foot-lever fulcrumed upon the receptacle, a spring-supported lever fulcrumed upon the receptacle, a link connection between the levers, said spring-supported lever being pivotally connected to the yoke.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JOHN WEIL.

Witnesses:

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G. B. GARRISON.