

M. & S. BLOGG.
 DEVICE FOR OPENING PAPER BAGS.
 APPLICATION FILED AUG. 25, 1911.

1,045,116.

Patented Nov. 26, 1912.

2 SHEETS—SHEET 1.

Fig. 1.

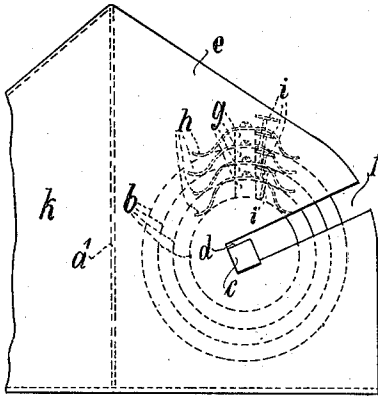


Fig. 2.

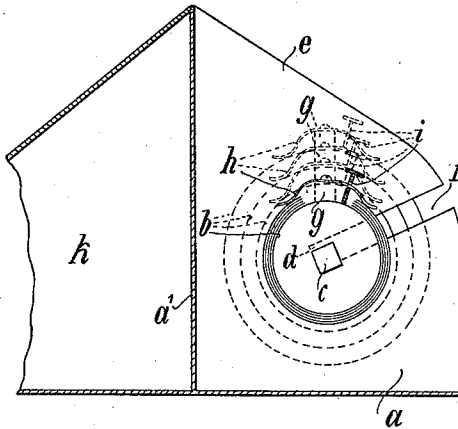
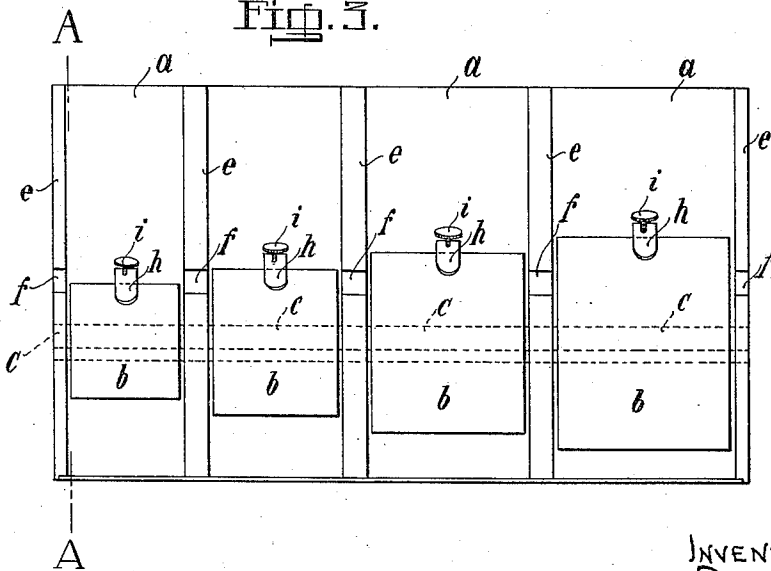


Fig. 3.



WITNESSES:
John H. Hoving
R. P. Appleton

INVENTORS,
Max Blogg and
Siegfried Blogg,
 by *J. H. Kerrigan,*
 Attorney

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2 SHEETS—SHEET 2.

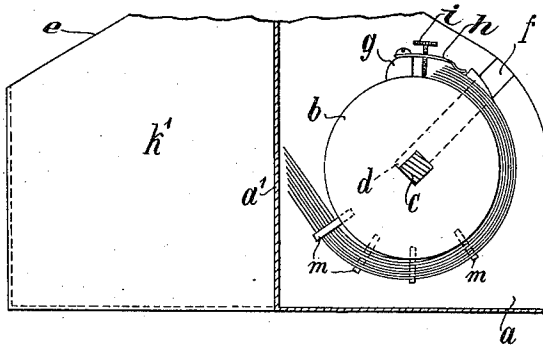


Fig. 4.

Fig. 5.

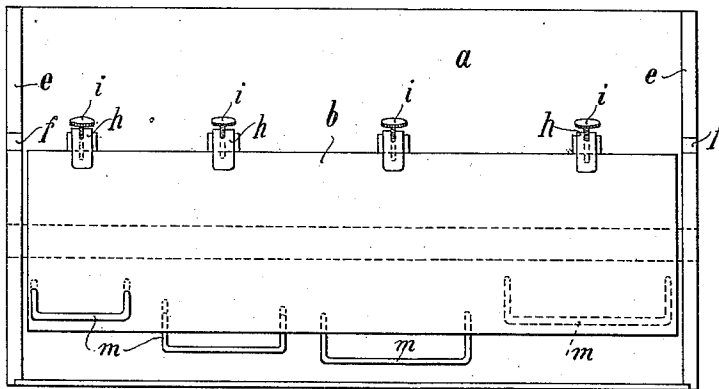
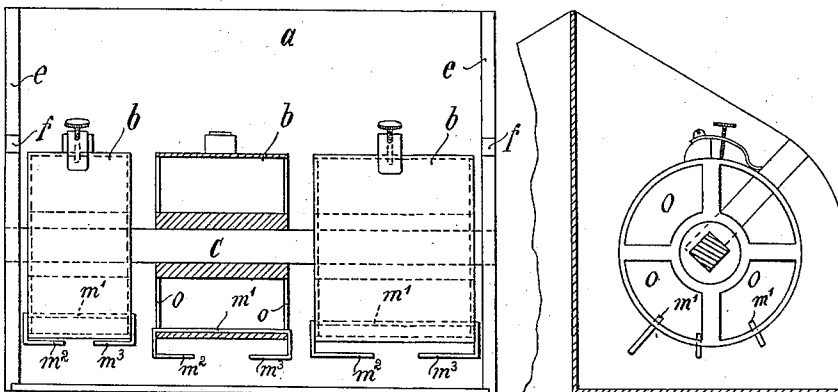


Fig. 6.

Fig. 7.



WITNESSES:
 John H. Hoving,
 J. P. Appleton

INVENTORS,
 Max Blogg and
 Siegfried Blogg
 by W. H. Benigan,
 Attorney.

UNITED STATES PATENT OFFICE.

MAX BLOGG AND SIEGFRIED BLOGG, OF HAMBURG, GERMANY.

DEVICE FOR OPENING PAPER BAGS.

1,045,116.

Specification of Letters Patent.

Patented Nov. 26, 1912.

Application filed August 25, 1911. Serial No. 646,052.

To all whom it may concern:

Be it known that we, MAX BLOGG and SIEGFRIED BLOGG, subjects of the German Emperor, and residents of Hamburg, Germany, have invented certain new and useful Improvements in Devices for Opening Paper Bags, of which the following is a specification.

This invention relates to devices for opening the paper bags used in stores.

In accordance with the present invention the bags are laid around a roller or curved surface and are held at one or at both ends by spring pressure in such manner that the side of the bag provided with the curved cut away part separates from the uppermost bag and can be easily gripped for the purpose of opening and removing the bag.

The invention is illustrated in the accompanying drawings in several embodiments.

Figure 1 is an end elevation, Fig. 2 a vertical transverse section and Fig. 3 a rear view of a bag holder provided with four rollers of different diameters. Fig. 4 is a vertical transverse section and Fig. 5 is a rear view of a bag holder provided with a single roller while Figs. 6 and 7 show another form of the arrangement for securing the ends of the bag.

In the construction shown in Figs. 1 to 3 a number of drums *b* are arranged adjacent one another in a holder *a* made of sheet metal, wood, or other suitable material. The drums *b* are made of different diameter for bags of different sizes. The drum shafts *c* are preferably made square at their ends and rest in correspondingly shaped openings *d* in the ends and in the partition walls *e*. From the openings *d* slots *f* extend to the edges of the walls *e* so that the drums may be removed from or inserted in the slots in the holder *a*. On each of the drums *b* is secured by means of lugs *g* a blade spring *h* the ends of which may be adjusted by screws *i*. In order to permit insertion of the bags in the holder *a* the drums *d* are preferably removed from the holder and the closed ends of the bags clamped under one end of the blade spring *h*. The bags are now laid around the drum *g* and the pro-

jecting edges of the open ends of the bags clamped under the other end of the blade spring *h* whereby the upper bag automatically opens. If a bag is to be removed the operator inserts his finger in the open end of the bag and grips the projecting somewhat shorter side of the bag. The other side of the bag is held by the one end of the blade spring *h* until the bag is fully opened in pulling it away. The tension of the ends of the springs *h* can be adjusted by means of the screw according to the thickness of the bags clamped thereby and can again be adjusted after the removal of a number of the bags. In order to prevent admission of dust the bags are automatically opened to such an extent only that the upper side can be gripped by the fingers. Instead of the arrangement of adjacent drums described, there can be inserted in the holder *a* as shown in Figs. 4 and 5, a single drum about which the bags can be laid adjacent one another, the open ends of the same being pressed by the blade springs *h* as above described against the surface of the drum and the closed ends of the bags being held together by clamps *m*. Each clamp is connected with the drum cover with its ends which are bent at right angles.

In the embodiment shown in Figs. 6 and 7 in which, as in Figs. 1 to 3, a number of adjacent drums *b* of the same diameter are provided and the closed ends of the bags are held together by clamps and are pressed against the surface of the drum cover as shown in Figs. 4 and 5. The drums *d* are, however, in this case hollow and are provided on the sides with openings *o*. Through the latter extend portions *m*¹ of the clamps while the part of the clamp engaging the bags consists of two pieces *m*², *m*³. This separation is necessary in order to permit the clamps to be passed around the wall of the drum.

Having described our invention, what we claim and desire to secure by Letters Patent of the United States is:—

Bag holder comprising in combination with a casing a spindle extending through said casing, a drum mounted on said spindle,

the outer peripheral surface of said drum
affording a plurality of coaxial circular
supporting surfaces for the bags and a blade
spring secured to said drum and adapted
5 to press the ends of said bags inward
against the said supporting surfaces.

In testimony whereof we have signed our

names to this specification in the presence
of two subscribing witnesses.

MAX BLOGG.

SIEGFRIED BLOGG.

Witnesses:

GUSTAV HELEG,

ERNEST H. L. MUMMENHOFF.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
