

(No Model.)

A. H. BUSSMAN.
TOILET PAPER CABINET.

No. 538,152.

Patented Apr. 23, 1895.

FIG. 1.

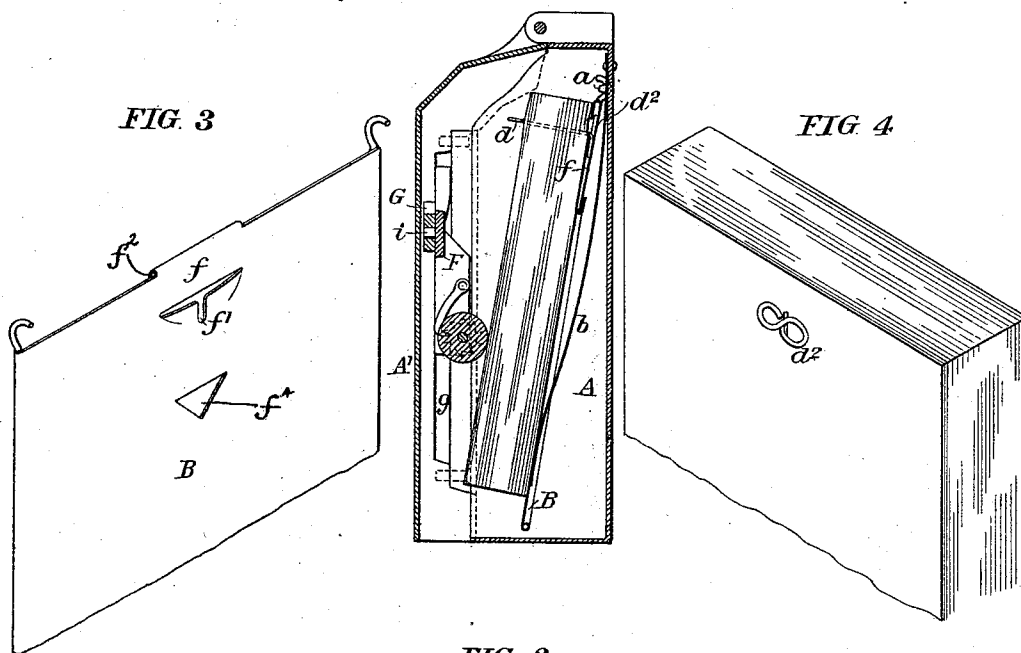


FIG. 2.

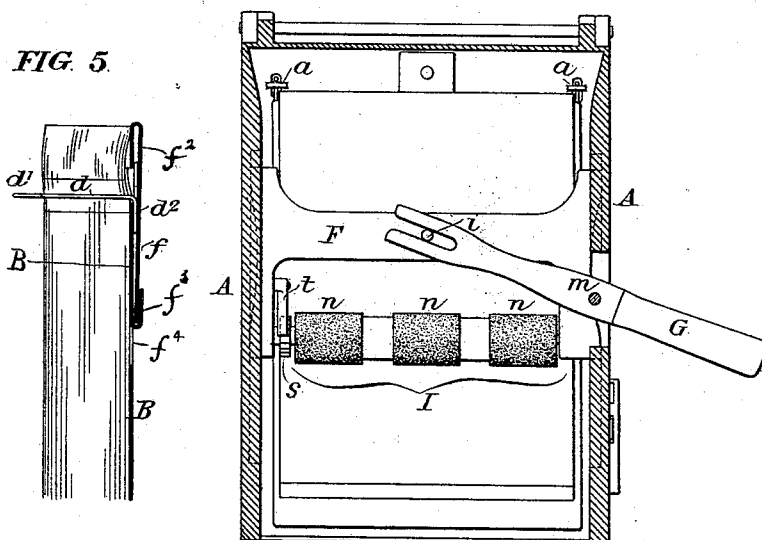
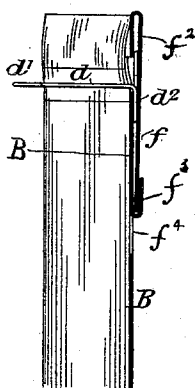


FIG. 5.



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AUGUST H. BUSSMAN, OF PHILADELPHIA, PENNSYLVANIA.

TOILET-PAPER CABINET.

SPECIFICATION forming part of Letters Patent No. 538,152, dated April 23, 1895.

Application filed January 19, 1894. Serial No. 497,394. (No model.)

To all whom it may concern:

Be it known that I, AUGUST H. BUSSMAN, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Toilet-Paper Cabinets, of which the following is a specification.

One object of my invention is to so construct a toilet paper cabinet as to provide for the delivery of single sheets in succession, a further object being to provide simple and efficient means for securing the sheets of paper together at the top and for confining them to the support within the cabinet. These objects I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a transverse section of a toilet paper cabinet constructed in accordance with my invention. Fig. 2 is a longitudinal section of the same, on the line 2—2, Fig. 1. Figs. 3 and 4 are perspective views illustrating the means employed for securing the sheets of paper together and mounting them within the cabinet; and Fig. 5 is an enlarged transverse section of the same.

A represents the fixed portion of the casing which is intended to be secured to the wall of the room or apartment, and A' is a cap or cover hinged to the fixed casing at the upper end and provided with any suitable means for locking or retaining it in place. Hung to lugs *a* on the back plate of the casing is a plate B, to which is secured the pack D of toilet paper sheets, a spring *b* acting upon the plate B and tending to constantly thrust forward the lower end of said plate and the pack of sheets mounted thereupon. The pack of sheets is slitted at the upper end for the reception of the supporting rod *d* which has at the outer end a head consisting of a single loop *d'* and at the inner end a head consisting of a double loop *d''*, the latter being adapted to a pocket *f* formed in the plate B near the upper end of the same by turning a projecting flap, *f''*, down upon the body of the plate, cutting from the body of the plate at *f''*, a flap, *f'''*, and turning the same up on to the body portion. The front of this pocket is slitted transversely as shown in Fig. 3, and the lower portion of the front of the pocket is bent outwardly and has a central vertical slot *f'*, and in applying the package of paper to the plate B the support-

ing rod *d* is first turned until the rear head *d''* occupies a horizontal position so that it can be dropped into the pocket *f*, the rod *d* entering the slot *f'*. The rod *d* is then turned quarter way round so that one loop of the head *d''* will pass behind the upper portion of the pocket so that the loop will be firmly retained in the pocket and the detaching of the pack of paper from the plate B will be effectually prevented.

When the rear head *d''* of the supporting rod *d* is turned so as to engage with the pocket as described the front head *d'* of the rod preferably occupies a position transversely of the slits in the paper sheets. Hence the release of said sheets from the rod can only be effected by a downward pull upon each sheet. Such downward pull is effected by means of a pusher carried by a sliding frame F, suitably guided in slots *g* in the opposite sides of the casing A, this sliding frame having a pin *i* which engages with an opening in the inner end of a lever G hung by means of a pivot pin *m* to the side of the case and having an outer end projecting laterally beyond said case.

The pusher may be variously constructed so as to slip on the top sheet on the upward movement, and engage said sheet on the downward movement, said pusher however consisting preferably of a roller I having a series of roughened sections *n* and having at one end a ratchet wheel *s* with which engages a pawl *t* hung to the slide F, said ratchet wheel and pawl being such that when the frame F is lifted the roller I is free to turn and consequently rolls along the surface of the top sheet without tending to raise the same.

On pushing down the frame F, however, the tendency of the roller I to rotate in the reverse direction is resisted by the engagement of the pawl and ratchet wheel. Consequently the roughened surfaces of said roller engage with the top sheet of the pack and push the same downward, tearing it from the supporting rod and pushing it through the opening at the bottom of the case.

As soon as the top of the uppermost sheet passes below the roller I the latter commences to act upon the next sheet of the pack so that by continually vibrating the lever G any desired number of sheets may be expelled from the case.

If desired the stroke of the lever G may be so limited that several vibrations of the same may be required in order to discharge each sheet, this having a tendency to prevent waste
5 of paper.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. In a toilet paper cabinet, the combination
10 of the casing, and the spring pressed plate for mounting the pack of paper sheets therein, with an ejecting device consisting of a frame sliding in and guided by slots in the sides of the casing, said frame carrying a pusher for
15 acting upon the topsheet of paper in the pack, said pusher consisting of a roller combined with a ratchet and pawl whereby it is free to turn on the rise of the slide, but is prevented from turning on the descent of the same, and
20 a lever pivoted upon the casing with its inner end connected to the slide and its outer end

projecting beyond the casing, substantially as specified.

2. The combination with the casing, of the supporting plate having a pocket formed in 25 the upper portion thereof with horizontal and vertical slots in the front portion of said pocket, and a supporting rod having a head at each end, whereby one head may be passed through the horizontal slot into the pocket 30 and the rod turned so that the rod may be dropped into the vertical slot and the head locked within the pocket, substantially as described.

In testimony whereof I have signed my 35 name to this specification in the presence of two subscribing witnesses.

AUGUST H. BUSSMAN.

Witnesses:

MURRAY C. BOGER,
JOSEPH H. KLEIN.