(No Model.)

# I. M. LOWENGRUND.

## TOILET PAPER CASE.

No. 477,215. Patented June 21, 1892.

*Fig. 1.*

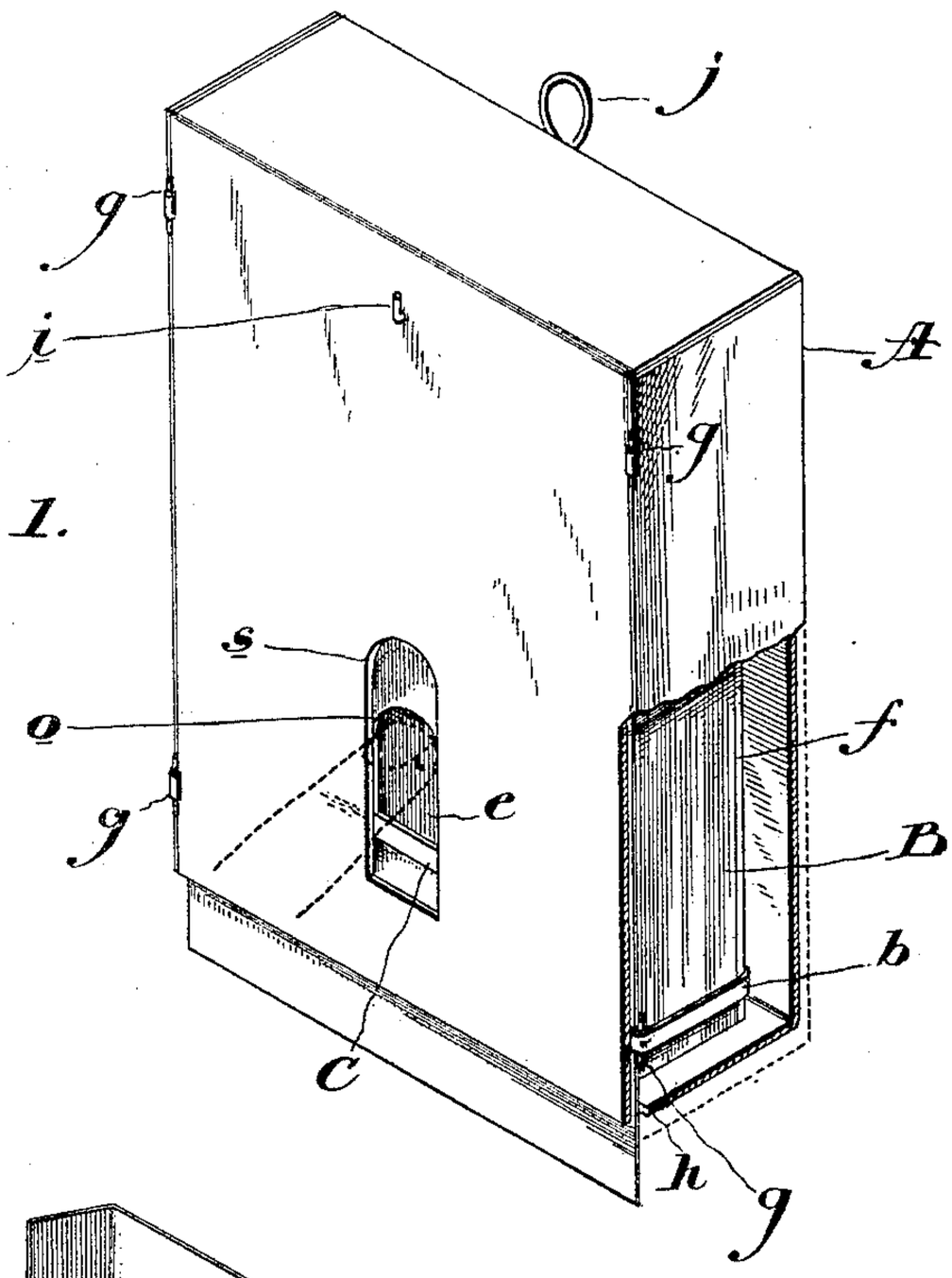



*Fig. 2.*

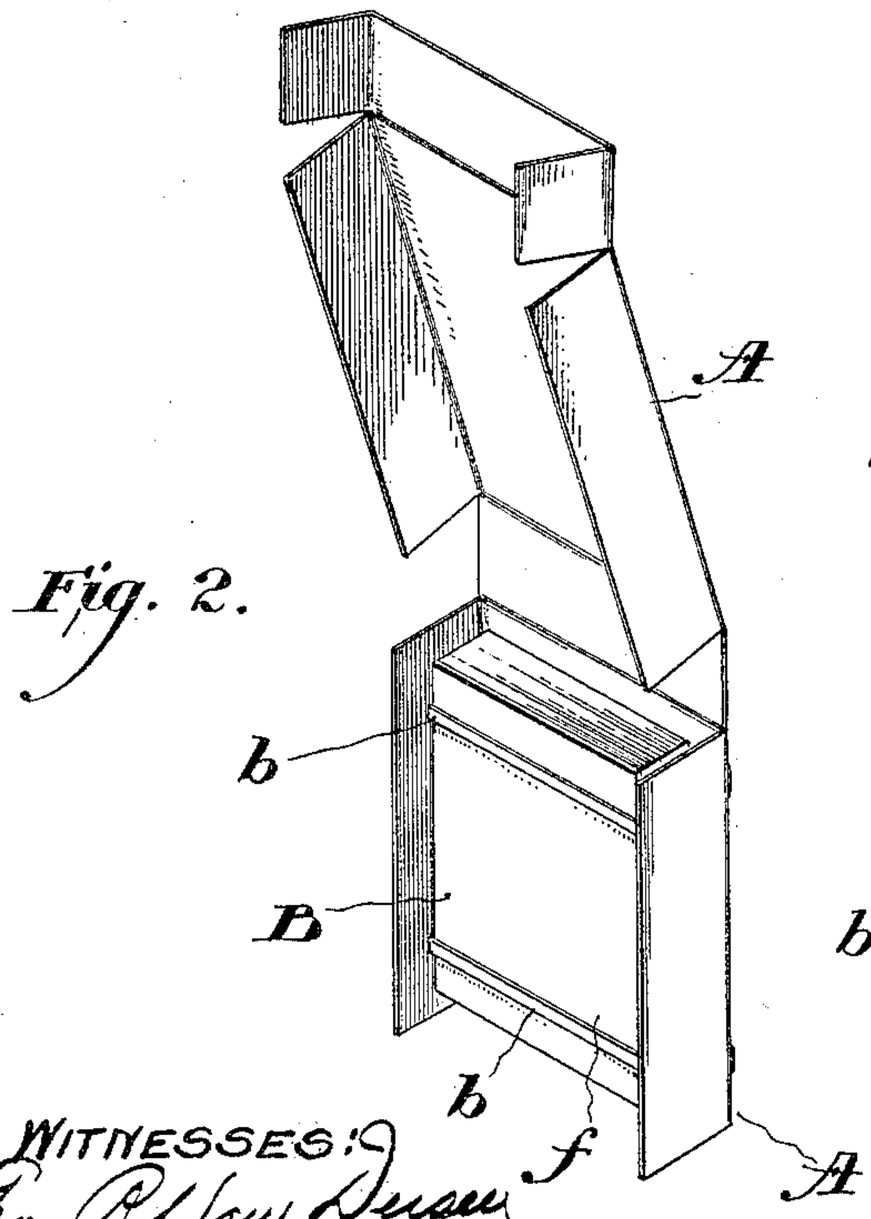
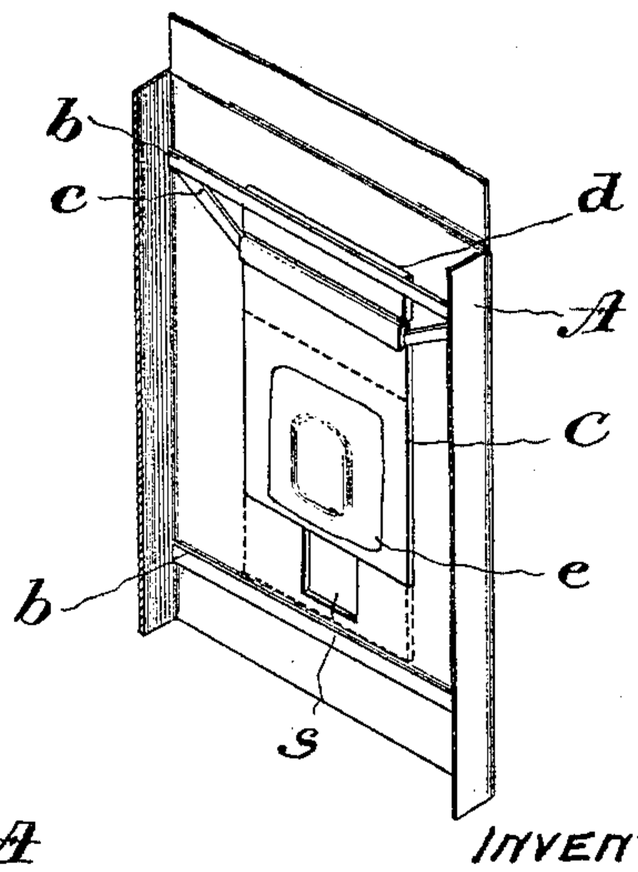



*Fig. 3.*




WITNESSES:
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# UNITED STATES PATENT OFFICE.

ISAAC M. LOWENGRUND, OF PHILADELPHIA, PENNSYLVANIA.

## TOILET-PAPER CASE.

SPECIFICATION forming part of Letters Patent No. 477,215, dated June 21, 1892.

Application filed October 20, 1891. Serial No. 409,265. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC M. LOWENGRUND, of the city of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improvement in Toilet-Paper Cases; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification.

My invention has relation to cases for feeding out paper a single sheet at a time; and it consists in the device hereinafter particularly described.

The object of my invention is to provide an efficient and inexpensive toilet-paper case, so constructed, as hereinafter described, that it may be manufactured, preferably, in pasteboard, to be sold with each package of paper complete at a small advance in price upon the usual price of the package. The device may, however, be constructed in metal or other suitable material.

In the accompanying drawings similar letters of reference refer to similar parts throughout.

Figure 1 is a perspective view of my improved toilet-paper case, partially broken, illustrating the operation with a sheet in the process of being ejected. Fig. 2 is a perspective view representing the interior from the rear with the device opened, as in the pasteboard construction. Fig. 3 is a sectional interior view representing the interior of the face of the casing and illustrating the construction and adjustment of the vertical slide with the elastic connections.

A represents the box or casing containing the package B of separate sheets of paper. On the interior of the face of the casing A a vertical slide C is provided to operate vertically against the interior of the face of the casing A, which slide C is held in a normal elevated position by an elastic band *c* or other equivalent device against a strip or stop, as illustrated by *d*, and represented as secured to the inner face of the casing A. After the slide C has been drawn down for the purpose of ejecting a sheet of paper and is released, it is then returned to its normal elevated position, as shown in Fig. 3, against the stop *d*, through the medium of said band *c*, which is rigidly secured at either end to the casing A and intermediately connected to the slide C. On the interior face of the slide C a piece of frictional material *e*—such as rubber, sand-paper, or other like material—is provided for engaging against the sheet to be ejected, and by such frictional contact to eject the sheet as the slide is depressed. In the face of the casing A a vertical slot *s* is provided, through which the finger may pass to engage with the slide C for the purpose of depressing by contact therewith and thereby ejecting the sheet of paper. A preferable construction, which I illustrate in the drawings, is that in which the frictional material *e* is composed of a small sheet of thin rubber, in front of which an opening *o* is provided in the slide C, through which the finger may pass in the act of depressing the slide and a more effective pressure and friction brought to bear against the sheet to be ejected in the downward movement of the slide by the immediate compression of the finger through the thin rubber *e* upon said sheet.

As a means of keeping the package of paper B constantly compressed against the vertical slide C, I employ, preferably, elastic bands *b*, which are secured to the casing A, as at *g*, and are stretched around the package B. A plate or stiffened sheet *f*, of pasteboard or other material, preferably of the size of the package B, is provided at the back of the package B to accomplish a greater uniformity of pressure upon the package through the means of elastic bands or their equivalents described. The strip or stop *d* is preferably slightly thicker than the vertical slide C, to prevent the compression of the package B from jamming or binding the slide C and then preventing it from operating. Other strips may be employed, if desired, for this purpose.

The package B of paper is preferably suspended within the walls of the case A by the wire rod *i*, passing through the package and turned down or clinched on the outer walls of the case A, on the rear wall preferably turned to form a supporting-eye *j*, by which to hang the entire case to the wall. The package B may, however, be supported within the case by any other suitable means. In the simple

construction described guides for the slide C are not necessary, though they may be employed, if desired.

As the vertical slide C is depressed, as shown in Fig. 1, the outermost sheet being compressed against the vertical slide C is ejected from the lower end of the case A through the slot *h* to a sufficient distance to allow of it being grasped by the fingers and thereby completely removed therefrom.

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

1. In a paper-feeding device, a casing A, having vertical slot *s* provided in the face thereof, vertical slide C, provided on the interior of the face of the casing, adapted to slide vertically against the said interior face of the front wall, elastic band *c* or its equivalent secured to the walls of the casing and to the said slide C, stop *d*, provided on the interior wall of the casing, frictional surface *e*, provided on the slide C, and elastic bands *b* or their equivalents for compressing the package of paper against the said slide C, and discharge-slot *h*, substantially as described.

2. In a paper-feeding device, a casing A, slot *s*, provided in the face thereof, vertical slide C, adapted to slide vertically against the interior surface of the front wall of the casing A, elastic band *c* or its equivalent secured to the casing and to said slide for returning the slide automatically to a normal elevated position after being depressed, orifice *o*, provided in the slide C, strip of rubber *e*, provided over said orifice *o* and upon the interior face of the slide C, rear plate *f*, discharge-slot *h*, provided in bottom of casing, and means for compressing the package of paper against and toward said vertical slide, substantially as described.

3. In a paper-feeding device, the combination of a casing A, slot *s*, vertical slide C, elastic band *c* or its equivalent, secured to the walls of the casing and to said vertical slide, stop *d*, orifice *o*, provided in the slide C, frictional strip *e*, secured to the inner face of the slide C, elastic bands *b* or their equivalents for compressing the package of paper against said slide C, and slot *h*, provided in the bottom of the casing, substantially as described.

In witness whereof I have hereunto set my hand this 17th day of October, A. D. 1891.

ISAAC M. LOWENGRUND.

Witnesses:
JOHN O. TAXIS,
ERNEST LOWENGRUND.