

No. 670,562.

Patented Mar. 26, 1901.

H. HORNBOSTEL.

PAPER HOLDER.

(Application filed July 5, 1900.)

(No Model.)

FIG. 1.

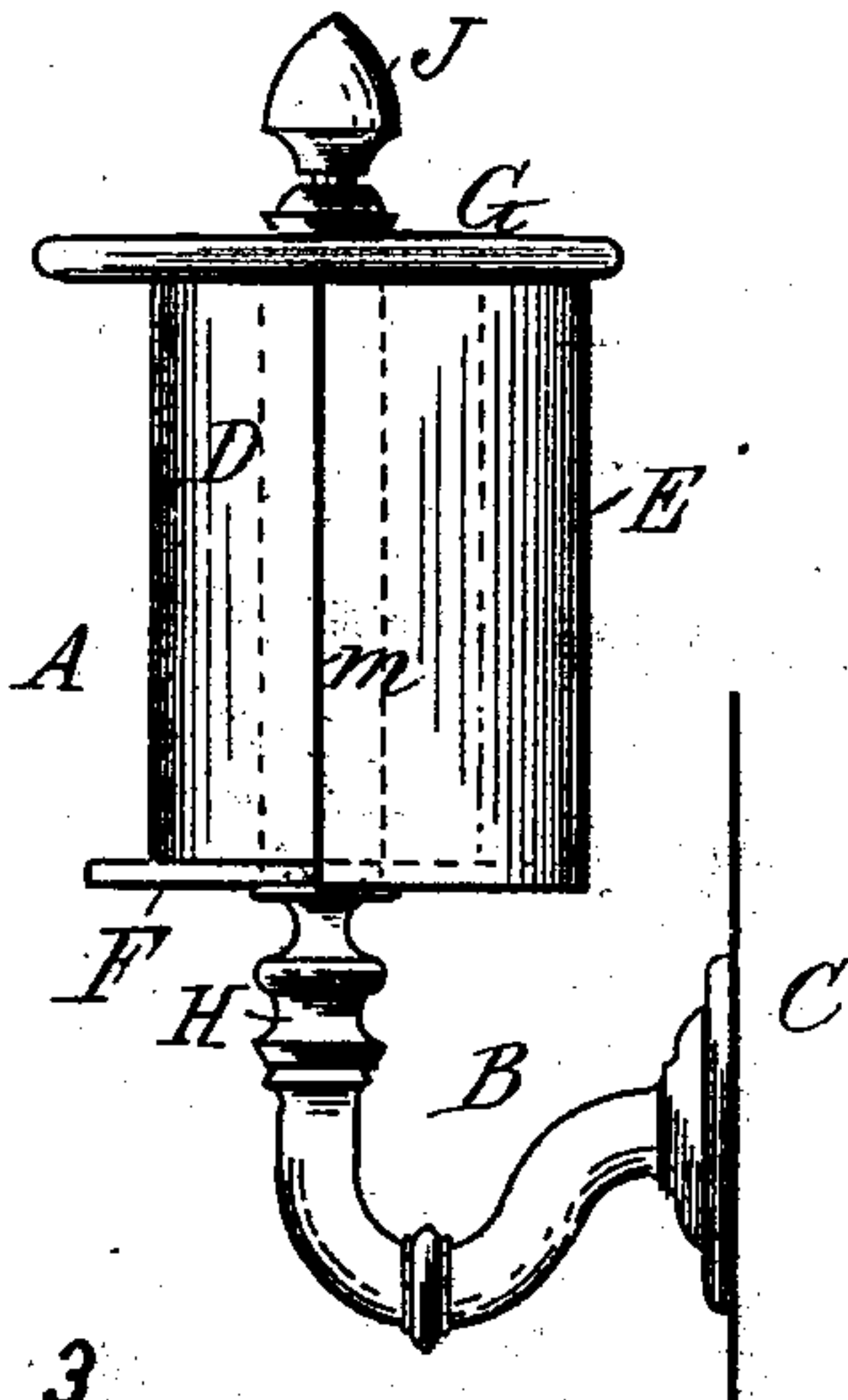


FIG. 2.

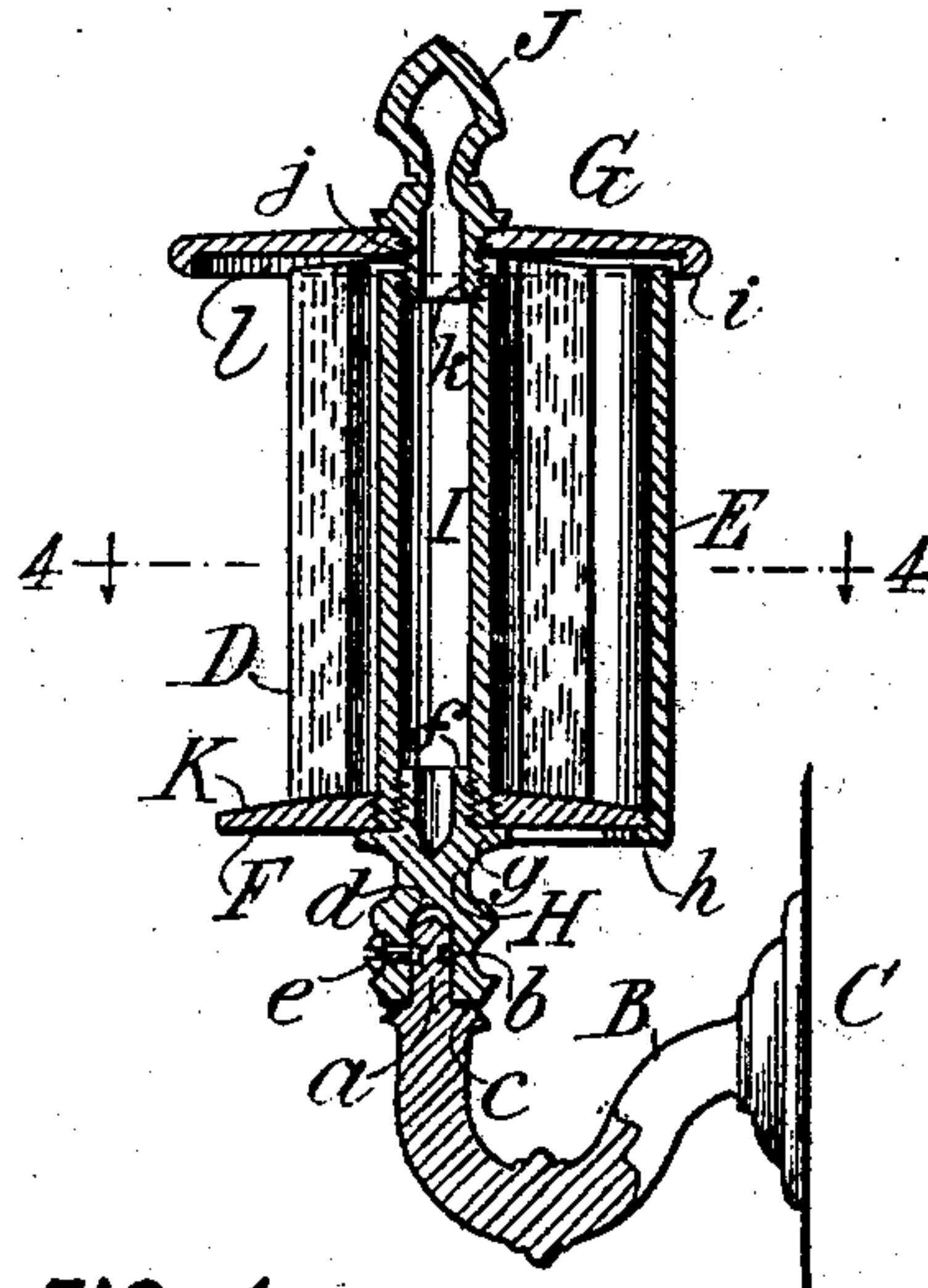


FIG. 3.

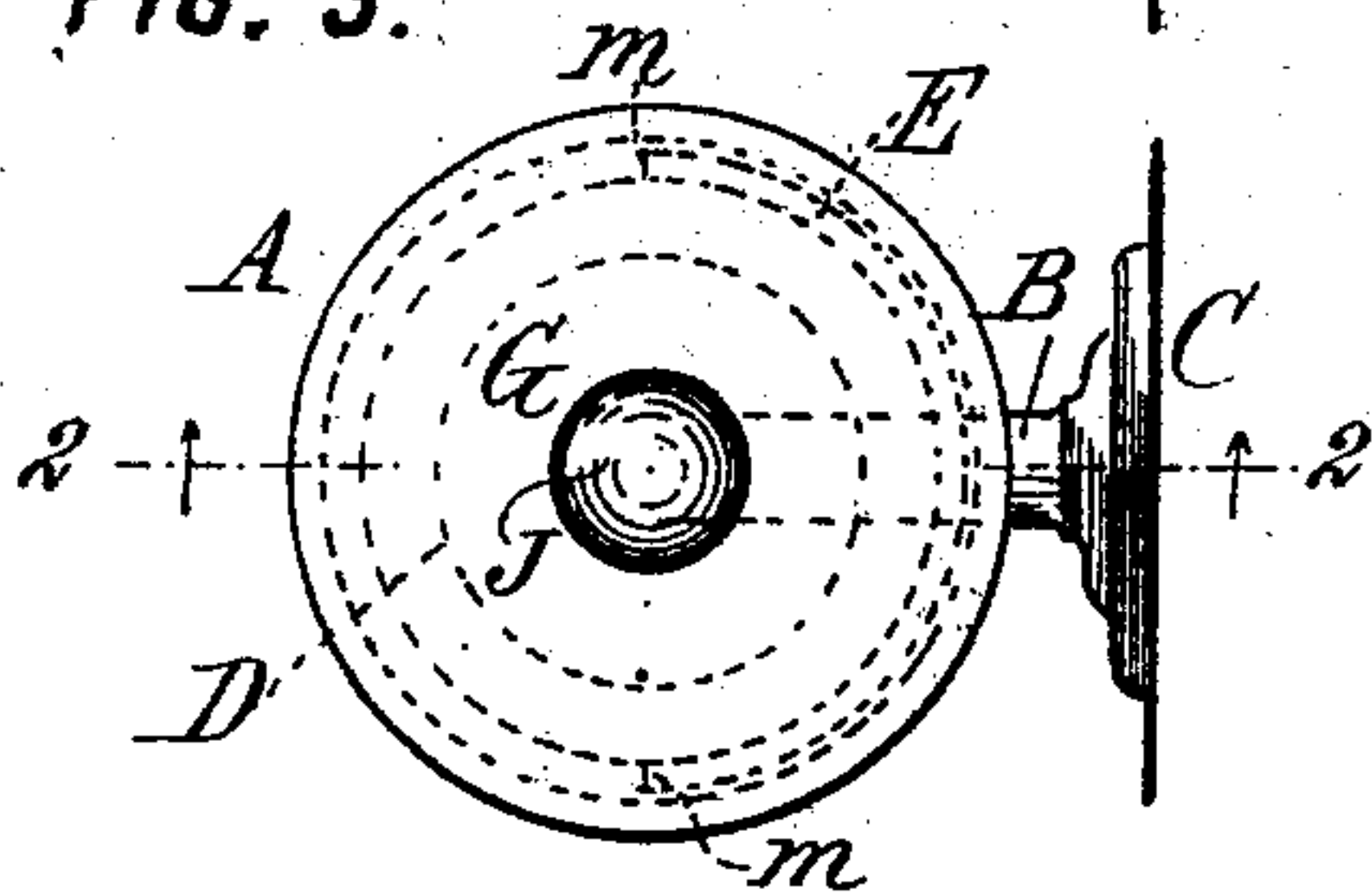


FIG. 4.

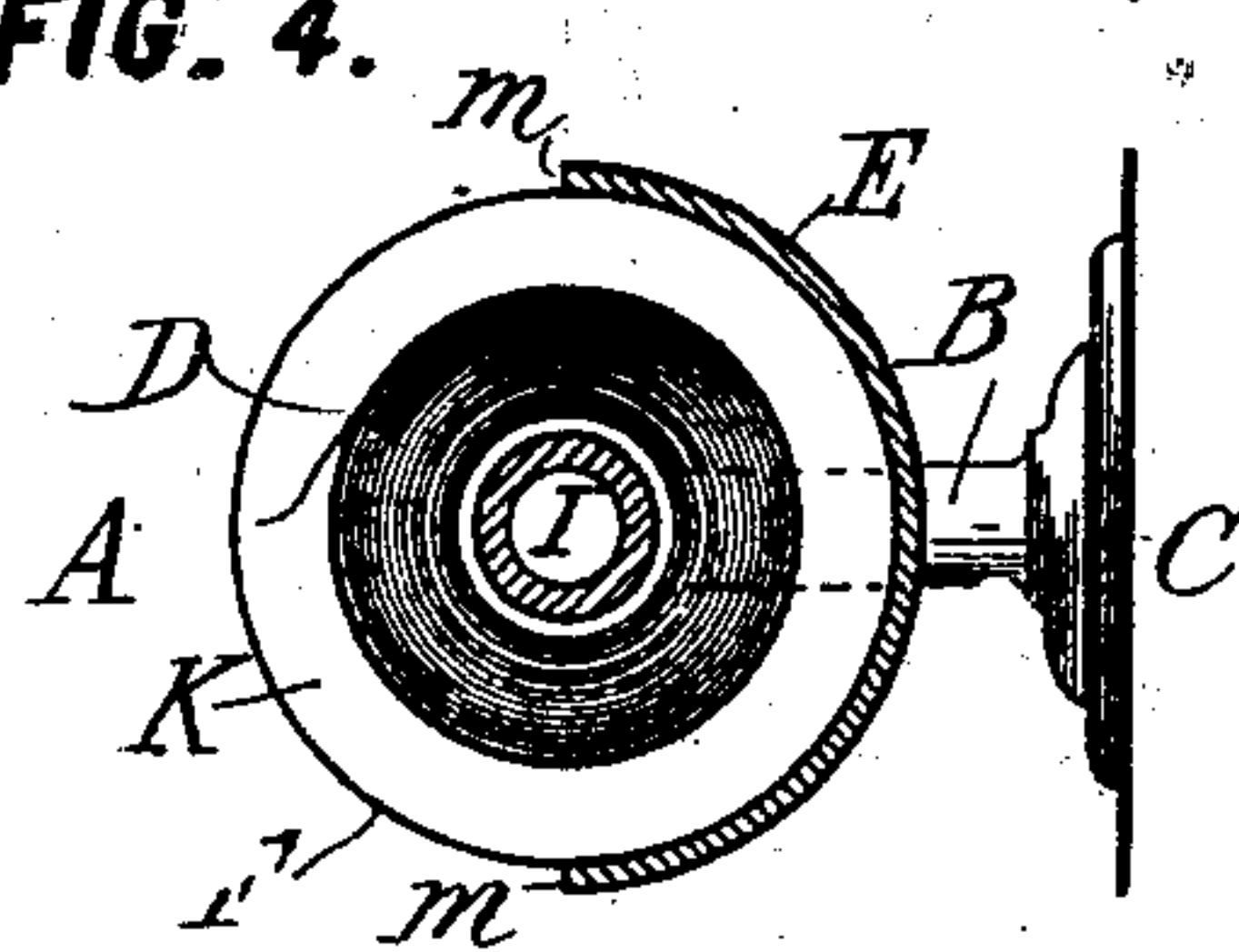


FIG. 5.

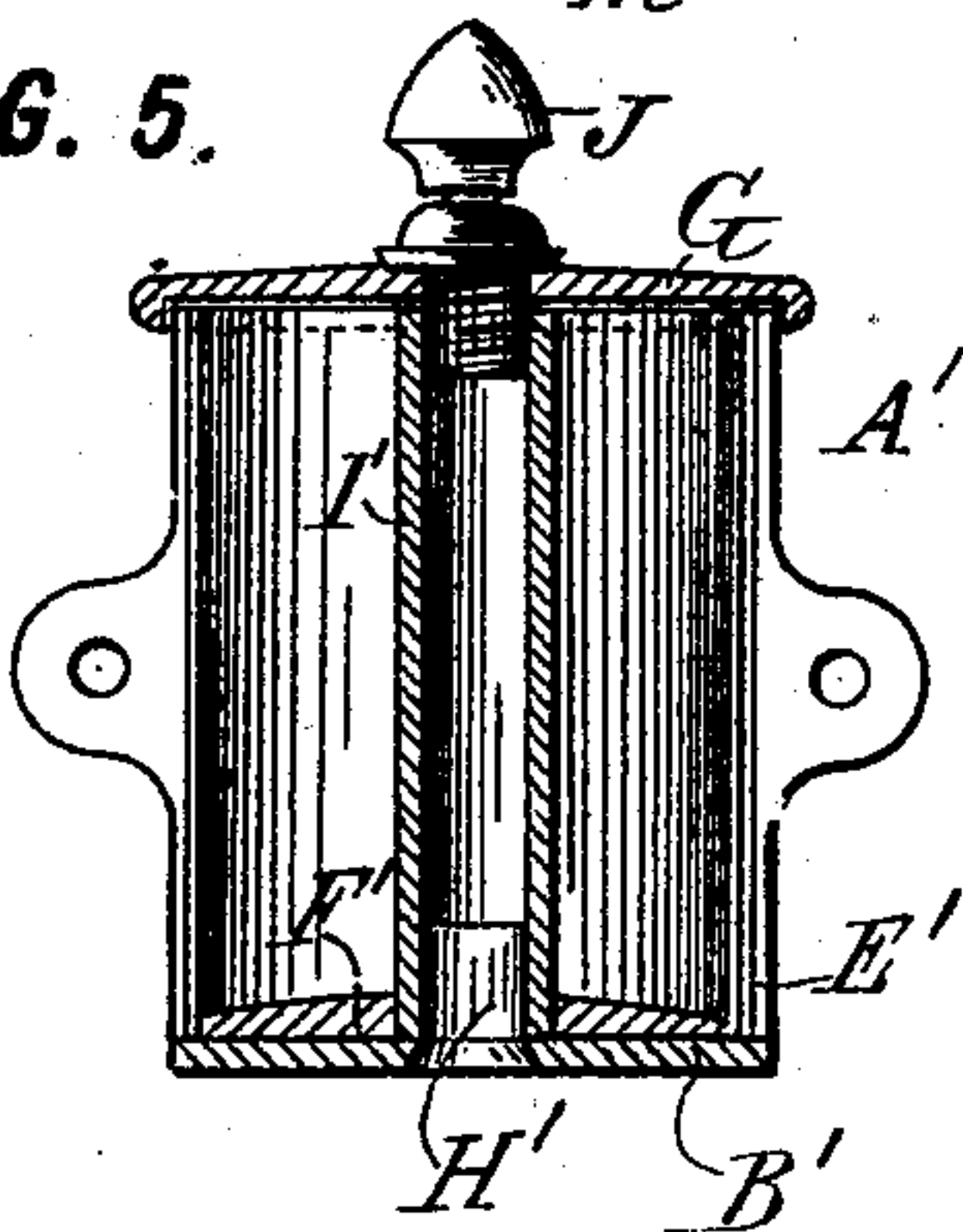
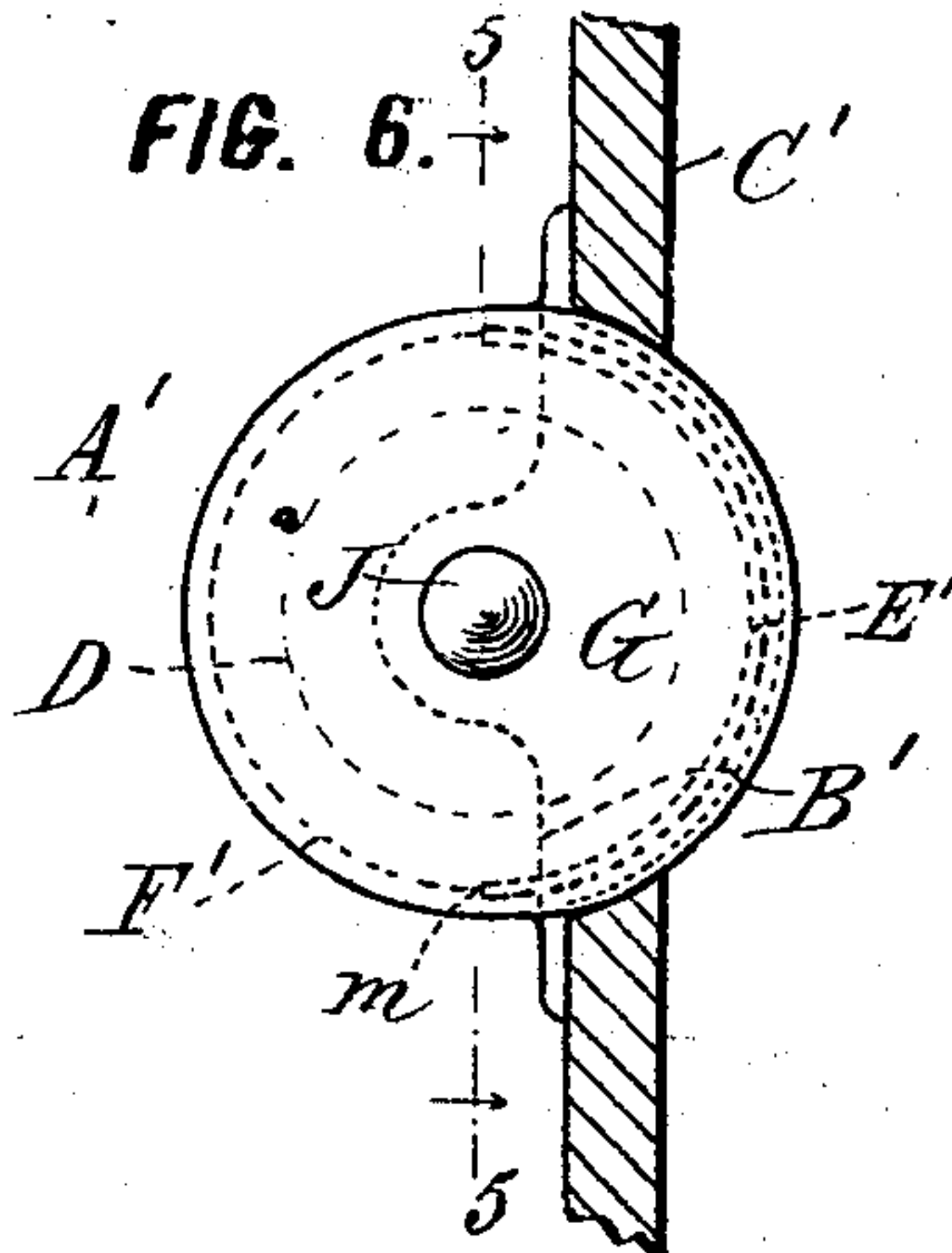


FIG. 6.



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PAPER-HOLDER.

SPECIFICATION forming part of Letters Patent No. 670,562, dated March 26, 1901.

Application filed July 5, 1900. Serial No. 22,492. (No model.)

To all whom it may concern:

Be it known that I, HENRY HORNBOSTEL, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Paper-Holders, of which the following is a specification.

This invention relates to holders for paper, and aims to provide an improved paper-holder especially applicable as a holder for toilet-paper.

Various devices for holding toilet-paper have been employed heretofore, including those adapted for holding packages of a number of flat sheets and those adapted for holding a roll either of perforated tissue-paper or of unperforated tissue-paper, in the latter case provision being made for cutting the sheet after the desired length has been withdrawn from the holder.

My improvements pertain to holders designed for holding a roll of tissue-paper and are applicable whether or not the paper of the roll is perforated at intervals.

My invention aims to provide a simple and strong paper-holder which can be easily manipulated and readily recharged.

To this end in carrying out my present invention in its preferred form I provide a vertical case for the paper and mount this revolvably on a vertical axis, the case being open on one side for exposing the paper and being closed at top and bottom for protecting and retaining the paper, and I provide a removable top, which permits ready recharging of the case, and also an improved friction for preventing undue unwinding of the roll.

In the accompanying drawings, which illustrate certain adaptations of my invention, Figure 1 is a side elevation of the preferred form of my improved holder. Fig. 2 is a vertical axial section thereof, cut on the line 2 2 in Fig. 3. Fig. 3 is a plan view thereof, and Fig. 4 is a horizontal section thereof, cut on the line 4 4 in Fig. 2. Fig. 5 is a vertical axial section of a modification, being cut on the line 5 5 in Fig. 6 and looking in the direction of the arrow; and Fig. 6 is a plan view thereof.

Referring to the drawings, let A indicate the holder; B, its support; C, the wall or other

object from which the support is carried, and D the roll of paper.

In its preferred form the holder consists of a semicylindrical vertical casing E, a bottom F therefor, a top G, a carrier H, and a central standard I. The carrier is rotatably connected on a vertical axis to the support or bracket B, which is carried from the wall C. The end of the bracket has a cylindrical pin *a*, surrounded by a groove *b* and rising from the shoulder *c*, and the carrier H has a socket *d*, fitting over the pin *a*, and a stud or fastening *e*, entering the groove *b*, for connecting the parts rotatively together. The upper end of the carrier has a screw-thread *f* and a projecting shoulder *g*. The bottom F has a circular disk, and the post I is an internally and externally screw-threaded tube. Its internal thread screws onto the thread *f* of the carrier, and its external thread is engaged by an internal thread on the bottom F. The bottom F and the tube I are screwed together, and then the tube is screwed onto the end of the carrier until tube and bottom abut against the shoulder *g* of the latter. The casing E has a flange *h*, fitting beneath the bottom F and soldered or otherwise suitably fastened thereto, so that the casing and bottom are rigidly connected together. The top end of the casing and the upper end of the tube are approximately in the same plane, and the tube is internally screw-threaded at its upper end. The top G is a disk-like cover having a flange *i* loosely fitting over the casing and having a central screw-threaded aperture *j*, through which a knob-like handle J is screwed, so that the lower end *j* of the handle can be screwed into the upper end of the tube I. The top is applied or removed after screwing the handle J into or out of the tube I, and the cavity *l* in the under side of the top overhangs the roll D of paper.

The roll of paper is sufficiently large in its internal diameter to fit loosely over the tube I, and the casing E is sufficiently large in its internal diameter to freely receive the extreme external diameter of a roll of paper, so that when the paper is in the holder it is free to revolve therein. To give the desired friction for checking revolution of the paper to

prevent unrolling, I provide an improved friction-surface on the upper side of the bottom F, which for this purpose is turned with a taper or convexity on its top face. The roll
5 adapts itself to this taper or convexity and the result is sufficient friction to prevent accidental unwinding and also an added tension to keep the roll concentric with the holder.

The side edges *m* of the casing preferably
10 end at about diametrically opposite points, so that either can be used as a tearing edge, against which the paper can be drawn for severing a predetermined portion of it from the rest of the roll.

15 In operation the user removes the top and places a roll in the holder and then draws down the top by screwing down the handle J until the top is tight. The paper can then be used as desired. The holder being free
20 to revolve will spin around on its axis when the end of the roll of paper is pulled, so that one of the connecting edges will constantly come against the paper and sever it when a suitable length of paper has been unrolled,
25 or, if preferred, the holder may be held still and the paper severed by a sharp pull or by carefully pulling it across a cutting edge. As the automatic cutting off of the paper by the revolution of the casing is preferable, the top
30 G is adapted to be screwed down against the paper with sufficient pressure to generate the necessary friction to insure revolution of the paper and holder, except when the holder is against such revolution while the paper is
35 being unwound. When desired, the user will adjust the top down against the roll to generate sufficient friction between the roll and holder if the friction-surface K should fail to apply this.

40 It will be seen that my invention provides means which can be readily and advantageously availed of, that the holder is simple and strong and practically proof against being made inoperative by rough or ill usage,
45 and that it is neat in appearance and practically as compact as the roll it holds.

It will be understood that the invention is not limited to the particular details of construction set forth as constituting its preferred form, since it can be employed according
50 to such modifications as circumstances or the judgment of those skilled in the art may dictate without departing from the spirit of the invention.

55 One modification is shown in Fig. 5, in which for compactness the holder, here lettered A', is partially set into the wall C', being held in a recess therein by a support B', having a stud H', on which the convex bottom F' and the tube I' can revolve with the
60 roll and with the semicylindrical shell E', which latter rises within the support B'. The top G and handle J here shown are similar to those before described, and otherwise the
65 operation of this construction is the same as that set forth with reference to the construction shown in Figs. 1 to 4.

My improvements permit holding the roll of toilet-paper with its axis vertically, so that the tendency to accidentally unwind is practically avoided. 70

What I claim is—

1. A paper-holder consisting of a rotatable casing having a socket for holding a roll of paper, an edge for severing the paper carried
75 by said casing, and a support revolubly carrying said casing.

2. A paper-holder comprising a casing rotatable on a vertical axis, and having a socket for holding a roll of paper, and having an
80 edge across which the paper can be severed and a support revolubly holding said casing.

3. A paper-holder consisting of a substantially semicylindrical casing having a circular bottom, and an edge for guiding the line
85 of severance of the paper, and a central post over which a roll of paper can be slipped, and a top for holding such roll in said casing, the edges of said casing being spaced apart a sufficient distance to permit grasping of the paper, whereby a part of the roll of paper is exposed at the open side of said casing, and the paper can be unwound through such open side. 90

4. A paper-holder comprising a substantially semicylindrical casing having a circular bottom and a circular top, and adapted to hold a roll of paper so that the paper can be unwound through the open side of the casing, and an internal friction-surface within
95 said casing for engaging the end of the roll of paper to retard unwinding of the latter. 100

5. A paper-holder comprising a casing open at one side, and having a convex bottom wall, and a chamber for receiving a roll of paper
105 and holding it with its lower edge on said convex wall, said roll being rotative relatively to said wall, said casing having an opening through which the paper can be unwound, whereby the roll of paper can conform to the
110 convexity of said wall, and the latter will afford friction for preventing undue unwinding of the roll.

6. A revoluble paper-holder having an internal chamber adapted to receive a roll of paper, means for rotatively mounting said roll
115 therein, and an opening at one side through which the paper can be unwound, in combination with means for clamping the roll of paper within the holder with sufficient force
120 to cause the paper and holder to rotate together when the latter is free to revolve, and a support revolubly carrying the holder.

7. A paper-holder comprising a bracket B, a carrier H, a swivel connection between the
125 two, a semicylindrical casing E carried by said carrier, a bottom F for said casing, a post I fixed to said bottom, and a top G supported by said post, substantially as and for the purpose set forth. 130

8. A paper-holder comprising a support, a revoluble carrier mounted on a vertical axis thereon, a convex bottom F carried by said carrier, a central post I over which a roll of

paper can be passed, and a top G for holding the paper on said post.

9. In a paper-holder, the combination with a rotative edge member, of means for supporting a roll of paper so that it may be rotated relatively to such member, whereby when said roll is rotated in unwinding the paper, rotation may be given to said member to bring its edge against said paper.

10. In a paper-holder, the combination with a rotative edge member, of a means for supporting a roll of paper so that it may be rotated relatively to such member, whereby when said roll is rotated in unwinding the paper, rotation may be given to said member to bring its edge against said paper, and a friction device tending to retard rotation of said roll relatively to said member.

11. In a paper-holder, the combination with an edge member rotatable in either direction, and having two edges facing each other, of a means for supporting a roll of paper so that it may be rotated relatively to such member, whereby when said roll is rotated in either direction in unwinding the paper, rotation may be given to said member to bring one of its edges against said paper.

12. In a paper-holder, the combination with an edge member rotatable in either direction, and having two edges facing each other, of means for supporting a roll of paper so that it may be rotated relatively to such member,

whereby when said roll is rotated in either direction in unwinding the paper, rotation may be given to said member to bring one of its edges against said paper, and a friction device tending to retard rotation of said roll in either direction.

13. In a paper-holder, a substantially semi-cylindrical casing having means for supporting a roll of paper so that it may be rotated, and having two edges for guiding the line of severance of the paper, such edges facing each other, and spaced apart a sufficient distance to permit grasping of the paper forming such roll and said casing being so formed as to permit the paper to contact with such edges.

14. In a paper-holder, the combination with a means for supporting a roll of paper so that it may be rotated, of a cutting member having two cutting edges facing each other, such edges spaced apart a sufficient distance to permit grasping of the paper forming such roll, and such cutting member being rotatively supported, so that its cutting edges may be brought to the position most convenient for severing the paper.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

HENRY HORNBOSTEL.

Witnesses:

GEORGE H. FRASER,
FRED WHITE.