Dec. 18, 1951 G. A. PENDERGAST 2,579,201

COVERING HOOD FOR PAPER ROLLS

Filed Feb. 25, 1949 2 SHEETS—SHEET 1

Fig. 1.

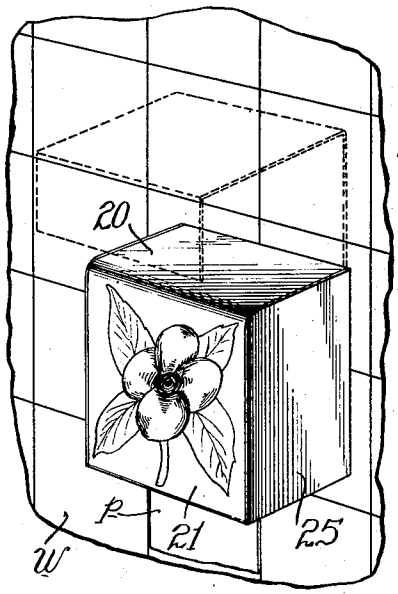
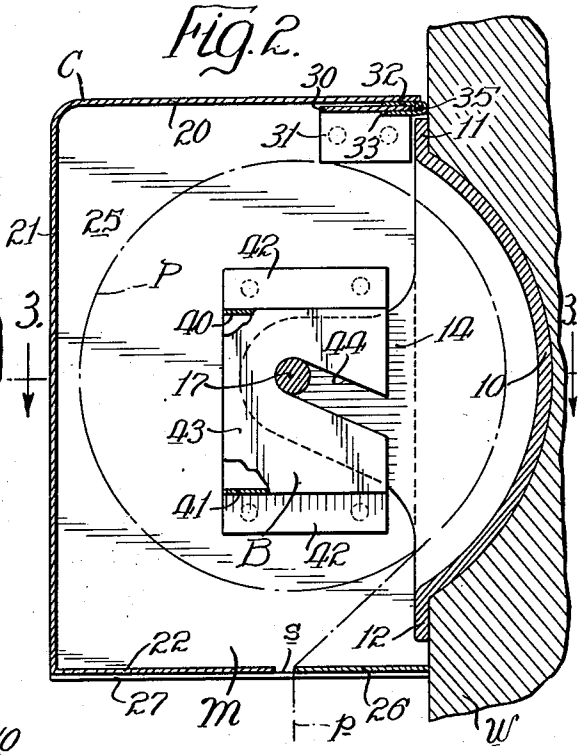


Fig. 2.



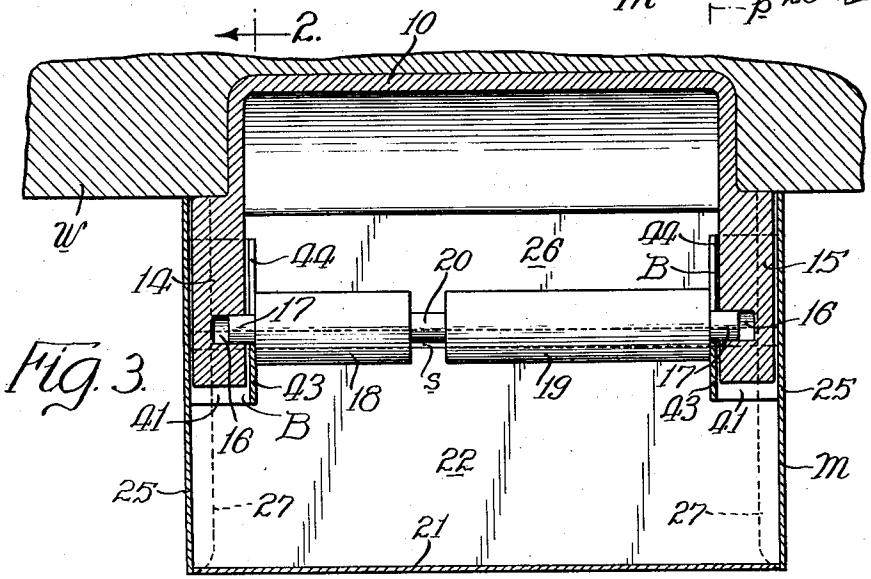


Fig. 3.

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Fig. 4

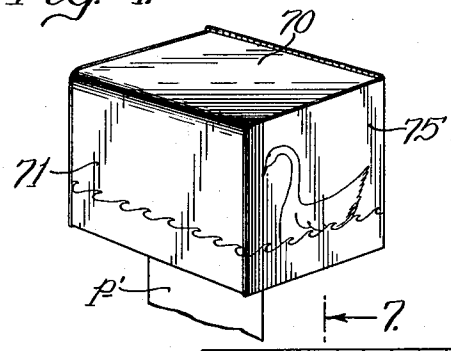


Fig. 5.

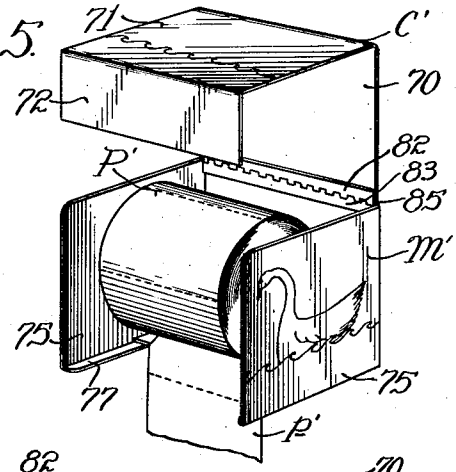
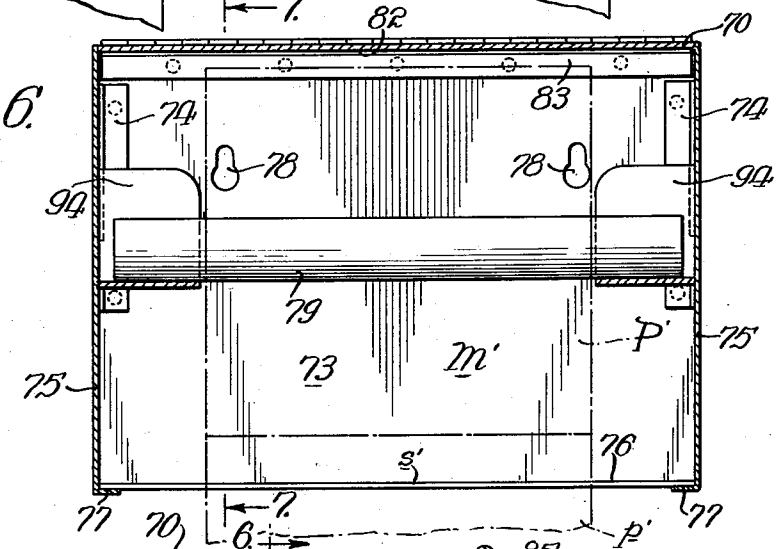


Fig. 6.



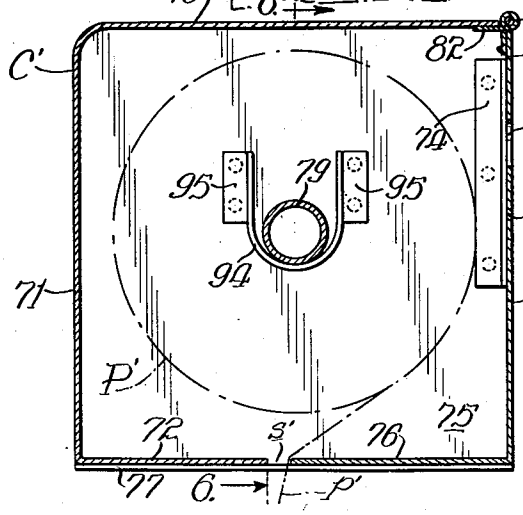


Fig. 7.

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COVERING HOOD FOR PAPER ROLLS

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3 Claims. (Cl. 242—55.2)

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This invention relates to improvements in a covering hood for paper rolls which are carried on walls—examples are toilet paper and paper towels. A primary purpose is to provide a simplified, improved, and easily mounted hood which is of pleasing appearance, and which serves to conceal the paper roll which it encloses without interfering with feeding movement of the paper outwardly from the hood. Such a hood also provides in its bottom a slit through which the paper is fed, the slit being positioned at a desired distance outwardly from the wall so that the paper will be in a position most convenient for grasping. The construction of the hood is also one which is durable, and which permits a ready opening up whenever a new paper roll is to be mounted on its holder; and it embodies also means whereby the covering for the hood, when swung to a closed position, will come to a cushion stop.

Other advantages and objects of my invention will appear from the following description and accompanying drawings wherein—

Figure 1 is a perspective view of my covering hood as applied to a recessed type of holder, the fully open position of the cover being shown in dotted lines;

Fig. 2 is a vertical section, taken on line 2—2 of Fig. 3;

Fig. 3 is a horizontal section, taken on line 3—3 of Fig. 2;

Fig. 4 is a view in perspective of the covering hood modified for use with a holder that is mounted on the face of a wall;

Fig. 5 which is a similar view shows the cover of the hood swung upwardly to a fully open position;

Fig. 6 is a view in section, taken on line 6—6 of Fig. 7; and

Fig. 7 is a sectional view, taken on line 7—7 of Fig. 6.

Considering first the construction shown in Figs. 1–3, this form of hood is adapted to be supported upon a holder which is affixed to a wall W. The fixture which is best shown in Fig. 2 is of the recessed type in that it embodies a back plate 10 that is concave about a horizontal axis, its upper and lower edges being extended in the form of flanges 11 and 12 which are adapted to rest against the face of the wall. From opposite sides of the fixture arms 14 and 15 are extended forwardly, each being provided with a socket 16 facing the other at a point opposite thereto to receive therein a trunnion 17 which extends axially from one end portion of a spindle having two

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parts 18 and 19 from one of which is axially extended a stem 20 which is slidably fitted in an end socket in the other spindle part. Spring means (not shown) urges the two spindle parts away from each other so as to maintain the trunnions 17 within their respective sockets. A paper roll P indicated by the dot-and-dash line in Fig. 2 is adapted to be supported upon the spindle and be freely rotated thereon as required whenever the depending end of the paper web p is pulled for this purpose.

The hood of my invention as shown in Figs. 1–3 is in the general form of a box which may be made of metal, wood, plastic, or other suitable material. This hood comprises a cover C having a top 20, a front 21, and a part-bottom 22 which extends rearwardly from the front at its lower end. Such a cover is operatively associated with a mounting structure M which comprises a pair of sides 25 each of the proper size to present its top and front edges flush with the exterior faces of the cover walls; a bottom strip 26 which extends horizontally between the two sides 25 to rest upon flanges 27 which extend inwardly therefrom at the bottom; and a top strip 30 having downturned ends 31 in engagement with the sides 25 at a point adjacent the top and rear thereof. The two strips 26 and 30 may be secured fixedly to the sides 25 as by spot welding so that the resulting mounting structure will be entirely rigid.

A hinge connection is provided between the cover and the mounting structure and, as shown, this consists of a hinge of the piano type comprising a pair of elongated leaves 32 and 33 each formed along one edge with joints which cooperate with those of the other to enclose a pintle 35 which extends for the length of the hinge. One leaf is joined to the cover 20 on its under side and the other to the top strip 30 upon its under side, and spot weld connections may be employed to complete the connection. The hinge thus provided is concealed from the outside of the hood, and its two leaves provide a reenforcement for both the cover and the mounting structure for the full length thereof. It also permits the cover to be swung through an arc of 90° or so from the full-line position shown in Fig. 1 to the dotted-line position where the cover top 20 abuts the face of the wall W to limit its further opening movement. At this point, the paper roll P within the hood is fully exposed. When the cover is released, it will drop by gravity to its closed position.

The two flanges 27 which are inturned at the bottom of the sides 25 will underlie the part-

bottom 22 of the cover C when the latter is in its fully closed position. In the final stage of its closing movement, the part-bottom 22 will execute a sliding movement along these flanges while approaching them for a wedging engagement therewith, thereby advancing through a compound movement which brings the cover to a stop which is appreciably cushioned. The free edge of the part-bottom 22 will then remain spaced from the bottom strip 26 which interconnects the sides 25 by a comparatively narrow distance, a slit *s* being thereby provided which extends for the full length of the holder between its opposite sides. The position of this slit may be determined by what is found to be most convenient. If the part-bottom 22 be somewhat narrower and the connecting strip 26 be somewhat wider, the slit *s* will then be shifted forwardly to a distance which is further removed from the wall W when the hood is in operative position; conversely, if the part-bottom 22 be increased in width and the connecting strip 26 be decreased in width, the position of the slit *s* will be shifted toward the wall W.

The hood thus far described is complete except for the means by which it is to be supported in place. It is designed for use with almost any wall-mounted paper holder having outwardly extended arms between which is supported a spindle whereon a paper roll is carried, the ends of the spindle being formed to enter sockets in the two arms. So that no additional parts may be required for affixation of the hood, I provide therewithin upon the inner face of each of its sides 25 a channeled bracket B which includes a pair of parallel legs 40 and 41 which are extended from outturned feet 42 each secured as by welding to the side of the mounting; the two legs support between them a web 43 which is maintained in spaced relation to the proximate side 25 and parallel therewith, the distance of separation being such as to accommodate within the bracket one of the two arms 14 or 15 which are extended outwardly from the wall-mounted holder. The web 43 is further provided with an inclined slot 44 which extends inwardly and upwardly from its rear edge upon which the slot opens, as shown.

Duplicate brackets are affixed to the two sides 25 so as to be positioned oppositely of each other. A hood having a mounting structure so constructed is adapted to be locked onto the paper holder whose two outwardly extended arms 14 and 15 are free to enter the channels of the brackets. The web 43 of each bracket lies just inwardly of the proximate arm, and the core trunnions are then free to enter the slots 44 and advance forwardly therein to a point close to their inner ends. This advance may continue up to the point of the mounting structure coming into engagement with the face of the wall W. The proportioning of the hood walls and the location of the two brackets are such that the hood will remain rested immovably against the wall face when the trunnions have been fully entered within the bracket slots 44.

In use the paper web *p* which is unwound from the roll will be led downwardly therefrom through the slit *s* to emerge from below the hood. This slit is located, by preference, directly below the axis of the paper roll R, thereby requiring the paper web to be fed outwardly from the hood at a point which is spaced from the wall W, but not as far outwardly therefrom as would be the case if the paper web were to hang straight downwardly from the forward face of the roll. As a result the paper web will always emerge from the hood at a predetermined point which never varies regardless of the diameter of the roll which, in use, undergoes a constant change.

Coming now to Figs. 4–7, the hood here shown comprises a cover C' having a top 70, front 71, and part-bottom 72 which extends rearwardly from the front at its bottom edge. This cover is associated with a mounting structure M' which consists of a pair of sides 75, interconnected by a back 73, and a part-bottom 76 extended forwardly from the back with its opposite ends rested upon flanges 77 which are inturned along the bottom edges of the sides 75. Connections, as by welding, are provided at the ends of the part-bottom 76 with the supporting flanges 77, and other connections may be provided between the back 73 and the sides 75 through the medium of angles 74 which are welded thereto. In this way a rigid mounting structure is provided. In the back 73 is formed a pair of keyhole slots 78 each for receiving a screw which, when anchored in the wall W, will provide a firm support whereon the mounting structure may be supported and from which it may be readily removed whenever occasion may require.

The cover C' is secured to the mounting structure as by a piano type hinge which employs a pair of leaves 82 and 83 having cooperating joints through which is extended a pintle 85. One leaf 82 is secured to the cover top 70 on its under side adjacent its rear edge and the other leaf 83 to the inside of the back 73 adjacent its top. Such a hinge which is continuous endwise of the hood is substantially concealed, only the joints being visible.

Supporting brackets which are positioned oppositely of each other are affixed to the sides 75 inwardly thereof so as to hold between them the opposite ends of a spindle 79 whereon is carried a roll of paper P'. Each bracket may comprise a U-fitting 94 from one end of which ears 95 are outturned for welded connection to the sides 75. The paper web *p'* when unwound from the roll is passed downwardly through the narrow slit *s'* which intervenes between the part-bottom 72 which is joined to the cover C' and the part-bottom 76 which is connected with the mounting structure M'. As already noted, the position of this slit *s'* may be varied, as desired, so that the paper web will be guided in its outward feed through a fixed path regardless of the diameter of the paper roll on the spindle. The part-bottom 72 carried by the cover C' comes to rest on the inturned flanges 77, and is brought to a cushion stop in the same manner as already described in connection with Figs. 1–3.

In the different forms of the hood herein shown and described, there is a complete enclosing of the paper roll R by a cover and associated mounting structure which may be ornamented in a very effective manner. But a short length of the paper web need depend from the hood, so that very little, if any, of it will ordinarily show. At the same time enough of the web end remains exposed to be conveniently grasped, and the position of the web is sufficiently spaced from the wall so that there need be no touching of its surface. If desired, the rear edge of the part-bottom connected with the hood cover may be serrated or otherwise formed to facilitate tearing of the paper web at this point. This may not be satisfactory in all in-

stallations, but for special purposes may be desirable, hence this mention thereof.

I claim:

1. A hood for a roll of paper having, in combination a mounting structure adapted for affixation upon a wall and comprising a pair of spaced sides extending normally from the wall at points outwardly of a paper roll when supported therebetween, means fixedly interconnecting the sides at the tops thereof adjacent the wall, a cover comprising a top, front and part-bottom extending from the front to a point rearwardly thereof, a pair of immovable flanges inturned from the sides at the bottom to provide a fixed rest for the part-bottom of the cover, the edges of the mounting structure and cover, when the latter is in closed position, being in closely disposed relation to provide a substantially tight enclosure at the top, front and sides, and a hinge connection between the cover and mounting structure having its axis substantially at the top rear edge of the hood, permitting the cover to be swung upwardly and outwardly to open position and, by gravity, to execute a return swinging movement at the conclusion of which its part-bottom engages slidingly with the inturned immovable flanges while advancing thereagainst with a wedging pressure.

2. A hood according to claim 5 in which there is a part-bottom extended between the two sides with its ends affixed to the inturned flanges thereof, the part-bottom being extended forwardly to a point removed from the wall but short of the confronting edge of the part-bottom extending from the front, when engaged with the inturned flanges aforesaid, to provide therebetween a paper guide slit through which may be drawn the paper web coming off the roll.

3. A wall-mounted paper roll holder comprising a hood comprising a mounting structure having a back arranged for positioning against the wall, two interconnected sides extending normally from the back at points outwardly of the ends of a paper roll when the latter is positioned therebetween, a cover having a top, front and part-bottom, the part-bottom extending from the front to a point rearwardly thereof, a pair of immovable flanges inturned from the sides at the bottom to provide a fixed rest for the part-bottom of the cover, a hinge connection between the cover and mounting structure having its axis substantially at the top rear edge of the hood, permitting the cover to be swung upwardly and outwardly to open position and, by gravity, to execute a return swinging movement at the conclusion of which its part-bottom engages slidingly with the inturned immovable flanges while advancing thereagainst with a wedging pressure, and means carried by the sides of the mounting structure internally thereof for supporting a paper roll spindle therebetween.

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