

Sept. 2, 1958

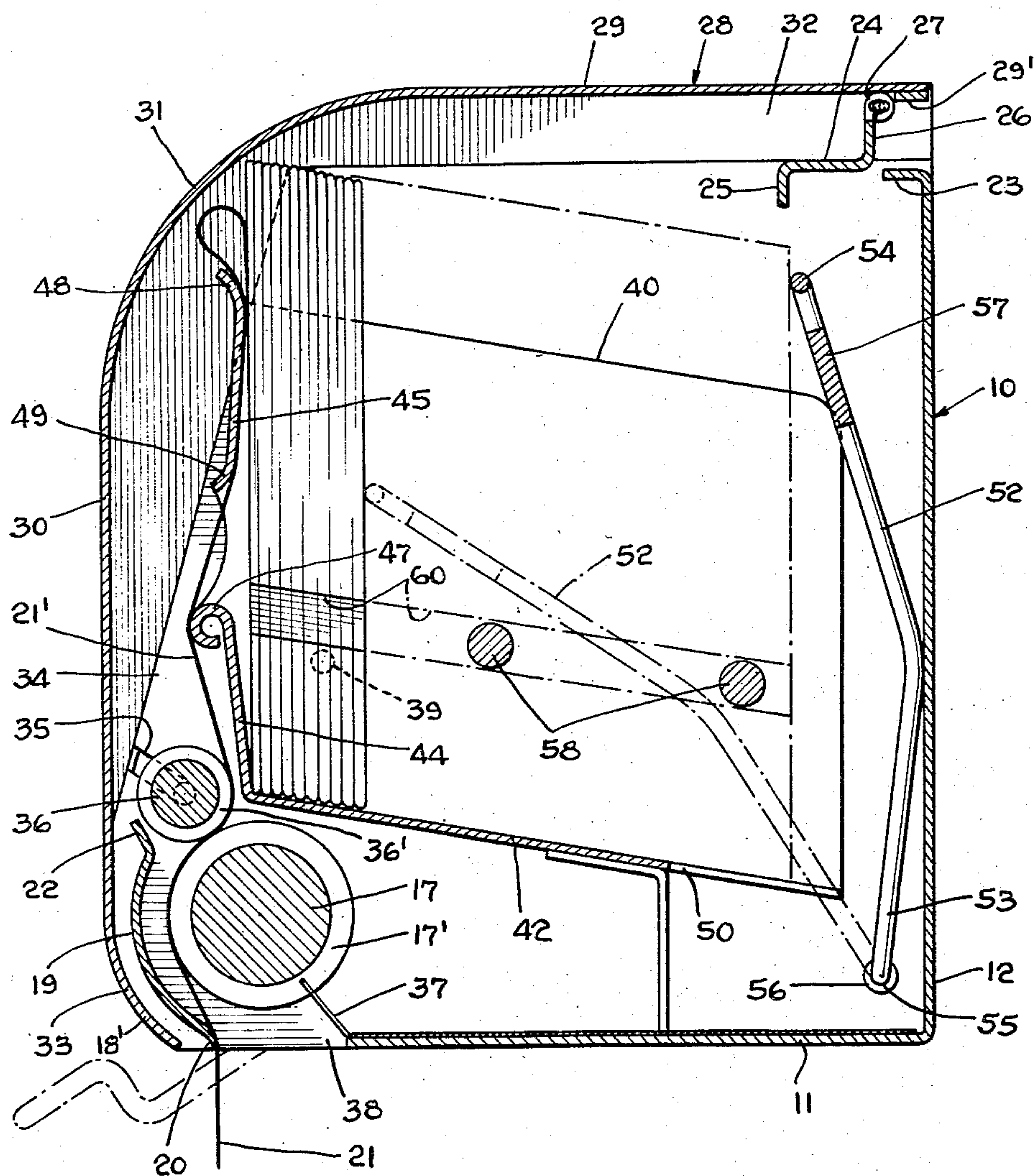
M. M. MARCUSE ET AL
DISPENSER FOR FANFOLD TOWELS

2,850,345

Filed Nov. 23, 1954

3 Sheets-Sheet 1

Fig. 1.



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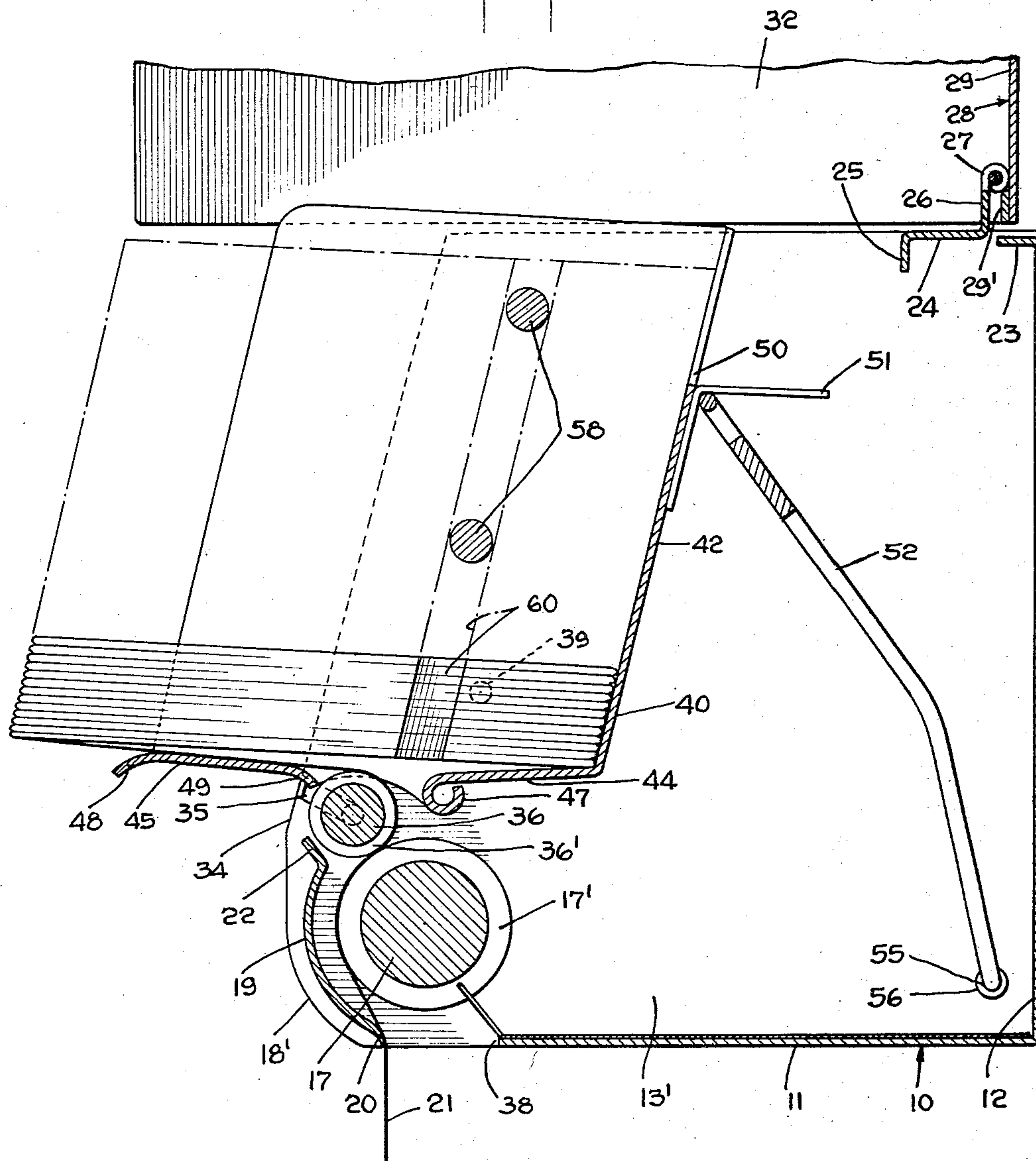
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3 Sheets-Sheet 2

Fig. 2.



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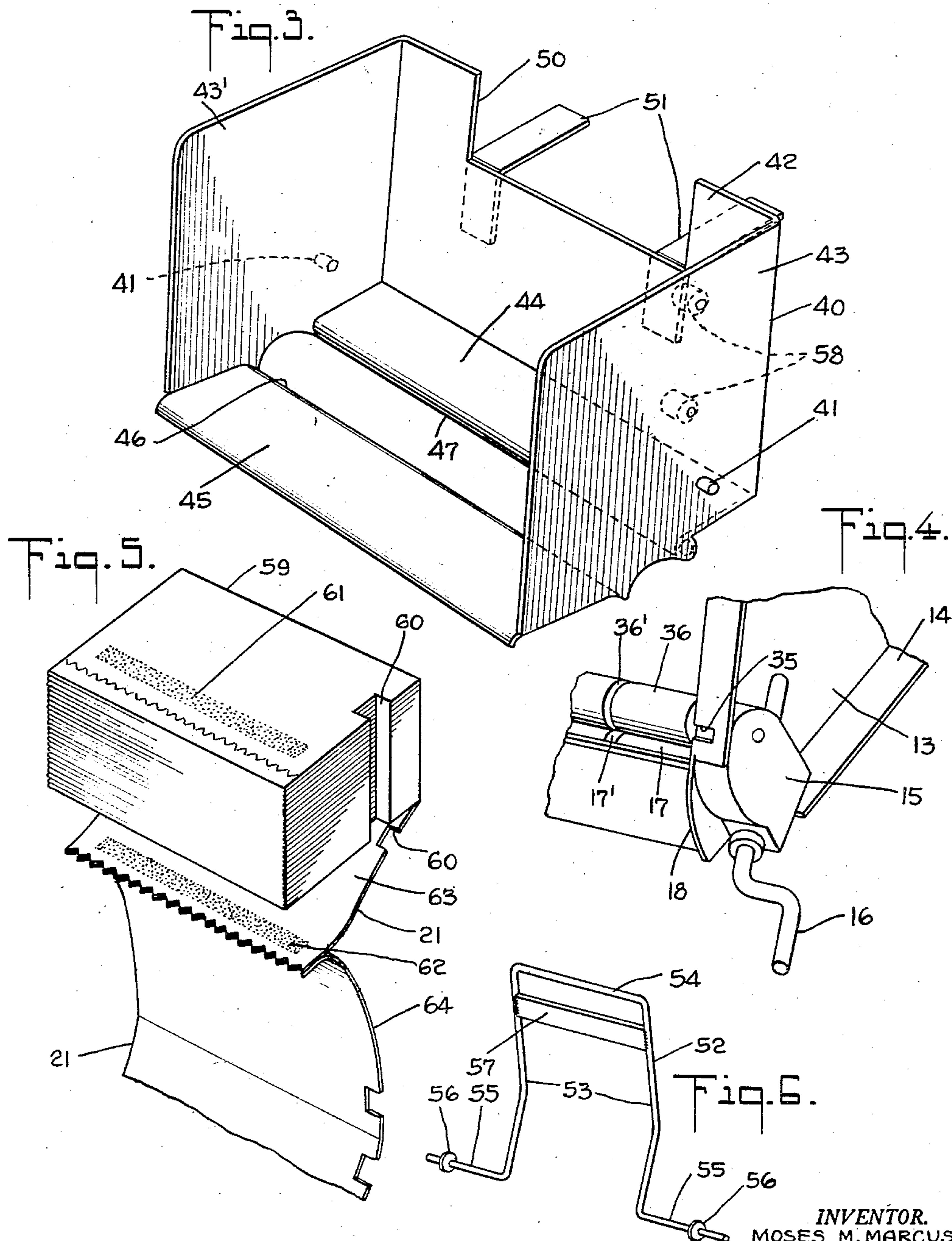
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DISPENSER FOR FANFOLD TOWELS

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DISPENSER FOR FANFOLD TOWELS

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Application November 23, 1954, Serial No. 470,670

15 Claims. (Cl. 312—39)

This invention relates to devices for dispensing paper towels of the fanfold type. More particularly, the invention deals with a device of this kind employing a tiltable carriage for support of the paper towels in a manner facilitating normal dispensing of the towels from the device and also facilitating loading of the towels upon the carriage.

Still more particularly, the invention deals with a device of the character described, wherein the carriage and towels have cooperating means for definitely positioning the towels in the carriage of device and for guiding the towels in placement in the carriage.

The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed and, in which, the separate parts are designated by suitable reference characters in each of the views and, in which:

Fig. 1 is a sectional view through a dispenser device made according to our invention, showing the parts in closed position and illustrating the arrangement of the towel in its movement through the dispenser.

Fig. 2 is a view, similar to Fig. 1, showing only part of the construction and illustrating the device in open position.

Fig. 3 is a perspective view of the carriage which we employ, detached.

Fig. 4 is a perspective view of a lower front corner portion only of the casing.

Fig. 5 is a perspective view of a pack of fanfold towels, diagrammatically illustrating the juncture of the end of one pack with the end of an adjacent pack; and

Fig. 6 is a perspective view of a towel engaging and carriage holding member, detached.

In Figs. 1 and 2 of the drawing, we have shown at 10 the casing of the dispenser, the casing comprising a bottom wall 11, a back wall 12 and side walls 13, 13', the latter being substantially of the same construction part only of the wall 13 being indicated in Fig. 4 of the drawing. Noting Fig. 4 of the drawing, it will be apparent that these side walls have outwardly extending flanges, noted only at 14 in Fig. 4, the flanges at the front lower corner portion of the wall 13 being cut out to receive a suitable drive or feed mechanism 15 actuated through a handcrank 16. As the mechanism 15 forms no specific part of the present conception, it is only diagrammatically shown and this mechanism is utilized to drive the main large diameter feed roller 17 supported in the front lower corner portion of the casing and in the side walls 13, 13'.

It will be noted, from a consideration of Figs. 1 and 2, that the side walls, at the lower corner portions, have rounded edges, as seen at 18 in Fig. 4 and 18' in Fig. 2. Also noting Figs. 1 and 2 of the drawing, a hood 19 is secured between the walls 13, 13' inwardly of the curved edges 18, 18', the hood terminating at its lower end in a cutting or severing edge 20 for severing a length of towel, as partly seen at 21 in Figs. 1 and 2 of the drawing,

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from the remainder of the fan towel. It will also appear that the upper end portion of the hood 19 has an outwardly extending flange 22.

The top and front of the casing 10 is open, except for an inwardly extending top crossflange 23, set inwardly of the upper end of the side walls 13, 13' as clearly noted in Figs. 1 and 2 of the drawing.

Welded or otherwise secured to the side walls and extending across the top of the casing is a strip 24 having a downwardly extending front flange 25 and an upwardly extending rear flange 26 terminating in spaced hinge portions, one of which is indicated at 27. At 28 is shown a hood-like cover comprising a top wall 29, including a hinge strip 29' cooperating with the hinges 27. The cover 28 has a front wall 30 joining the top wall in a rounded upper corner portion, as at 31, Fig. 1 of the drawing, and side walls, one of which is indicated at 32, the bottom and back of the cover 28 being open. The side walls 32 are sufficiently wide to pass over the outwardly extending flanges 14 on the side walls of the casing. Thus the one side wall of the cover 28 will overlie the mechanism 15, as will be apparent.

Considering Fig. 1 of the drawing, it will appear that the lower edge portion of the front wall 30 of the cover has an inwardly curved portion 33, which seats upon the edges 18, 18'.

It will appear from a consideration of Figs. 1 and 2 of the drawing that the side walls 13, 13' of the casing have upwardly and rearwardly inclined front edge portions 34. These edge portions, near the lower part of the casing, as well as the side walls 13, 13', have downwardly inclined recesses 35, which facilitate mounting of a supplemental small diameter feed roller 36 for pressure engagement with the roller 17, or with the paper towel 21 fed therebetween, as clearly illustrated in Fig. 1 of the drawing. Both rollers 17 and 36 have longitudinally spaced recesses or annular grooves, as noted at 17' and 36', and operating in the grooves 17' are fingers 37 which serve to eject the paper towels from the feed roller 17 for delivery downwardly through a discharge opening 38 at the forward end of the bottom wall 11 of the casing and rearwardly of the cutter edge 20, as is clearly noted in Fig. 1 of the drawing.

The side walls have, above the rollers 17, 36, pivot apertures 39 for pivotal mounting of a paper towel carriage 40 in the casing 10, the carriage having outwardly extending pivot pins 41, note Fig. 3, for engaging the apertures 39. The carriage 40 comprises an openwork basket which is defined by a bottom wall 42, side walls 43 and 43' and front vertically spaced paper engaging wall portions, comprising a lower wall portion 44 and an upper wall portion 45, with a large opening 46 therebetween. The bottom wall portion 44 terminates at its upper edge in an outwardly and downwardly curved bead 47 forming a rounded paper engaging portion, which offsets the paper, as indicated at 21' in Fig. 1 of the drawing, at a position centrally between the upper wall 45 and the roller 36. The upper wall 45 has outwardly rounded upper and lower ends 48 and 49 for free passage of the paper towel downwardly over the inner surface of the wall 45 and to the offset portion thereof, as at 21', and this construction, in conjunction with maintaining the roller 17 against rotation, facilitates severing the paper towel 21 at the cutter edge 20 without withdrawal of the paper towel from the casing or cabinet of the device.

Considering Fig. 3 of the drawing, it will appear that the bottom wall 42 has a large cutout or opening 50 and secured to the wall 42 are two angleiron supporting feet 51 which are disposed in registering position with the opening 50 for engagement with a towel engaging or feed and carriage holding member 52 in support of the carriage

in the forward tilted position, as clearly seen in Fig. 2 of the drawing. The member 52 is shown in perspective detail in Fig. 6 of the drawing and comprises a yoke-shaped portion defined by offset side rods 53 and a crossrod 54, the rods having outwardly extending pivot ends 55, pivot ends including collars 56 inwardly of the outer extremity of the ends 55, so as to allow the collars 56 to bear upon inner surfaces of the side walls 13, 13' in pivotal mounting of the member 52 in the lower rear corner portions of the casing, as clearly illustrated in Figs. 1 and 2 of the drawing.

Adjacent the crosshead, the side members 53 are joined by a transverse weight 57 of sufficient capacity to feed and urge the paper towels in the direction of the front walls 44, 45 of the carriage. It will be apparent that the spacing of the side rods of the member 52 is such as to pass freely through the opening 50, so as to extend into the forwardmost position in the carriage, as partially indicated in dot-dash lines in Fig. 1 of the drawing.

When the carriage 40 is in its normal operative position, the bottom wall 42 is inclined upwardly to a slight extent and, at all times, the fanfold paper towels are maintained in upright position in the casing of the device. In withdrawal of the towels, the towels are fed from the top and bottom of the fanfold and, in passing from the bottom, it will be understood that the towel moves over the rounded bead portion 47 of the bottom wall 44.

It will appear from a consideration of Fig. 3 of the drawing that the side wall 43 of the carriage has inwardly projecting spaced key pins 58, which are diagrammatically shown in section in Figs. 1 and 2 of the drawing, to clearly illustrate the keying of the fanfold paper towels therewith.

In Fig. 5 of the drawing, I have indicated at 59 one package of paper toweling which has, along one side edge portion thereof, an aperture 60 which means that each sheet of the fanfold towel 21 will include one of the apertures 60 therein. Upper and lower surfaces of the package 59 have, adjacent one long edge portion of the package, an elongated adhesive strip 61 so that, in placing two packages of the fanfold toweling one upon the other, the strip 61 of one package will adhere to the corresponding strip 61 of the adjacent package, thus uniting the strips as indicated diagrammatically at 62, where the lower sheet 63 of the package 59 is shown united with the upper sheet 64 of what was a lower package. By reason of the yieldable movement of the roller 36, the junction or coupling of the strips of the towel ends 63, 64, as at 62, will pass through the machine without any difficulty. The adhesive strips 61 are of a characteristic to adhere to each other and not to any other medium. It will be also understood that, by providing the single aperture 60, a definite control is provided for periodically adding packages to the carriage 40. In Figs. 1 and 2, groups of packages are indicated in part in full lines and part in dot-dash lines for clarity in the illustration and, in said figures, the apertures 60 are also indicated in full and in dot-dash lines.

The fanfold of paper towels consists of folding a long strip of paper toweling, the folds appearing at opposed upper and lower edges of the toweling as arranged in the carriage. In the use of the dispenser, the first package placed on the carriage will have its end threaded through the carriage rollers and out through the bottom opening 38, in the manner clearly illustrated. Thereafter, unless all of the toweling has been discharged from the dispenser, the placement of added packages upon the remaining portions of the fanfold paper will automatically attach the paper, as set forth, thus producing an endless paper toweling, removable from the dispenser. It will also be apparent that, by operation of the feed mechanism 15 through the medium of the handcrank 16, a desired length of toweling will be fed through the opening 50, whereupon, this protruding length will be grasped by the hand and severed along the cutting edge 20.

Having fully described our invention, what we claim as new and desire to secure by Letters Patent is:

1. A paper strip dispenser, comprising a casing defined by back, bottom and side walls, the front and top of the casing being open, a hood-like cover pivoted to the upper rear portion of the casing, said cover comprising front, top and side walls, a main feed roller rotatably mounted in the lower front corner portion of the side walls of said casing, means for actuating said roller, a supplemental feed roller movably supported in the side walls of the casing and movable toward and from said main feed roller, a carriage pivotally supported on the side walls of the casing and arranged within the casing and said hood-like cover, the carriage comprising bottom, side and front wall portions, the front wall portion being defined by upper and lower spaced members, means fixed to the bottom wall of the carriage and engaging the bottom wall of the casing for supporting the carriage in operative position in the casing, the carriage forming a support for a substantially endless fanfold paper strip and in the use of the dispenser the free forward end of such strip is adapted to extend downwardly behind the top member and in front of the bottom member of the front wall portions of the carriage, between said feed rollers and out through an opening in the forward end of the bottom wall of the casing, and other means pivotally supported in the side walls of the casing and operatively engaging the fanfold paper supported on the carriage for maintaining the paper in abutting engagement with the front wall portions of said carriage.

2. A paper strip dispenser, comprising a casing defined by back, bottom and side walls, the front and top of the casing being open, a hood-like cover pivoted to the upper rear portion of the casing, said cover comprising front, top and side walls, a main feed roller rotatably mounted in the lower front corner portion of the side walls of said casing, means for actuating said roller, a supplemental feed roller movably supported in the side walls of the casing and movable toward and from said main feed roller, a carriage pivotally supported on the side walls of the casing and arranged within the casing and said hood-like cover, the carriage comprising bottom, side and front wall portions, the front wall portion being defined by upper and lower spaced members, means fixed to the bottom wall of the carriage and engaging the bottom wall of the casing for supporting the carriage in operative position in the casing, the carriage forming a support for a substantially endless fanfold paper strip, and in the use of the dispenser the free forward end of such strip is adapted to extend downwardly behind the top member and in front of the bottom member of the front wall portions of the carriage, between said feed rollers and out through an opening in the forward end of the bottom wall of the casing, other means pivotally supported in the side walls of the casing and operatively engaging the fanfold paper supported on the carriage for maintaining the paper in abutting engagement with the front wall portions of said carriage, and said last named means comprising a weighted yoke.

3. A paper strip dispenser, comprising a casing defined by back, bottom and side walls, the front and top of the casing being open, a hood-like cover pivoted to the upper rear portion of the casing, said cover comprising front, top and side walls, a main feed roller rotatably mounted in the lower front corner portion of the side walls of said casing, means for actuating said roller, a supplemental feed roller movably supported in the side walls of the casing and movable toward and from said main feed roller, a carriage pivotally supported on the side walls of the casing and arranged within the casing and said hood-like cover, the carriage comprising bottom, side and front wall portions, the front wall portion being defined by upper and lower spaced members, means fixed to the bottom wall of the carriage and engaging the bottom wall of the casing for supporting the carriage in op-

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erative position in the casing, the carriage forming a support for a substantially endless fanfold paper strip, and in the use of the dispenser the free forward end of such strip is adapted to extend downwardly beyond the top member and in front of the bottom member of the front wall portions of the carriage, between said feed rollers and out through an opening in the forward end of the bottom wall of the casing, other means pivotally supported in the side walls of the casing and operatively engaging the fanfold paper supported on the carriage for maintaining the paper in abutting engagement with the front wall portions of said carriage, said last named means comprising a weighted yoke, and said weighted yoke operatively engaging the carriage supporting means in support of the carriage in forward tilting position in the operation of loading fanfold paper in said carriage.

4. A paper strip dispenser, comprising a casing defined by back, bottom and side walls, the front and top of the casing being open, a hood-like cover pivoted to the upper rear portion of the casing, said cover comprising front, top and side walls, a main feed roller rotatably mounted in the lower front corner portion of the side walls of said casing, means for actuating said roller, a supplemental feed roller movably supported in the side walls of the casing and movable toward and from said main feed roller, a carriage pivotally supported on the side walls of the casing and arranged within the casing and said hood-like cover, the carriage comprising bottom, side and front wall portions, the front wall portion being defined by upper and lower spaced members, means fixed to the bottom wall of the carriage and engaging the bottom wall of the casing for supporting the carriage in operative position in the casing, the carriage forming a support for a substantially endless fanfold paper strip, and in the use of the dispenser the free forward end of such strip is adapted to extend downwardly behind the top member and in front of the bottom member of the front wall portions of the carriage, between said feed rollers and out through an opening in the forward end of the bottom wall of the casing, other means pivotally supported in the side walls of the casing and operatively engaging the fanfold paper supported on the carriage for maintaining the paper in abutting engagement with the front wall portions of said carriage, and interengaging means on the fanfold paper and the carriage for guiding assemblage of the paper in the carriage and movement of the paper through the carriage in the dispensing thereof.

5. A paper strip dispenser, comprising a casing defined by back, bottom and side walls, the front and top of the casing being open, a hood-like cover pivoted to the upper rear portion of the casing, said cover comprising front, top and side walls, a main feed roller rotatably mounted in the lower front corner portion of the side walls of said casing, means for actuating said roller, a supplemental feed roller movably supported in the side walls of the casing and movable toward and from said main feed roller, a carriage pivotally supported on the side walls of the casing and arranged within the casing and said hood-like cover, the carriage comprising bottom, side and front wall portions, the front wall portion being defined by upper and lower spaced members, means fixed to the bottom wall of the carriage and engaging the bottom wall of the casing for supporting the carriage in operative position in the casing, the carriage forming a support for a substantially endless fanfold paper strip, and in the use of the dispenser the free forward end of such strip is adapted to extend downwardly behind the top member and in front of the bottom member of the front wall portions of the carriage, between said feed rollers and out through an opening in the forward end of the bottom wall of the casing, other means pivotally supported in the side walls of the casing and operatively engaging the fanfold paper supported on the carriage for maintaining the paper in abutting engagement with the front wall por-

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tions of said carriage, a transverse hood secured between front, lower corner portions of the side walls of the casing, and said hood having a lower cutter edge arranged below the main feed roller for severing paper discharged from the casing.

6. A paper strip dispenser, comprising a casing defined by back, bottom and side walls, the front and top of the casing being open, a hood-like cover pivoted to the upper rear portion of the casing, said cover comprising front, top and side walls, a main feed roller rotatably mounted in the lower front corner portion of the side walls of said casing, means for actuating said roller, a supplemental feed roller movably supported in the side walls of the casing and movable toward and from said main feed roller, a carriage pivotally supported on the side walls of the casing and arranged within the casing and said hood-like cover, the carriage comprising bottom, side and front wall portions, the front wall portion being defined by upper and lower spaced members, means fixed to the bottom wall of the carriage and engaging the bottom wall of the casing for supporting the carriage in operative position in the casing, the carriage forming a support for a substantially endless fanfold paper strip, and in the use of the dispenser the free forward end of such strip is adapted to extend downwardly behind the top member and in front of the bottom member of the front wall portions of the carriage, between said feed rollers and out through an opening in the forward end of the bottom wall of the casing, other means pivotally supported in the side walls of the casing and operatively engaging the fanfold paper supported on the carriage for maintaining the paper in abutting engagement with the front wall portions of said carriage, a transverse hood secured between front, lower corner portions of the side walls of the casing, said hood having a lower cutter edge arranged below the main feed roller for severing paper discharged from the casing, the bottom wall of the casing having, rearwardly of said cutter edge, a discharge opening, through which a paper passes, and means on the bottom wall cooperating with the main feed roller for guiding the paper through said discharge opening.

7. A paper strip dispenser, comprising a casing defined by back, bottom and side walls, the front and top of the casing being open, a hood-like cover pivoted to the upper rear portion of the casing, said cover comprising front, top and side walls, a main feed roller rotatably mounted in the lower front corner portion of the side walls of said casing, means for actuating said roller, a supplemental feed roller movably supported in the side walls of the casing and movable toward and from said main feed roller, a carriage pivotally supported on the side walls of the casing and arranged within the casing and said hood-like cover, the carriage comprising bottom, side and front wall portions, the front wall portion being defined by upper and lower spaced members, means fixed to the bottom wall of the carriage and engaging the bottom wall of the casing for supporting the carriage in operative position in the casing, the carriage forming a support for a substantially endless fanfold paper strip, and in the use of the dispenser the free forward end of such strip is adapted to extend downwardly behind the top member and in front of the bottom member of the front wall portions of the carriage, between said feed rollers and out through an opening in the forward end of the bottom wall of the casing, other means pivotally supported in the side walls of the casing and operatively engaging the fanfold paper supported on the carriage for maintaining the paper in abutting engagement with the front wall portions of said carriage, a transverse hood secured between front, lower corner portions of the side walls of the casing, said hood having a lower cutter edge arranged below the main feed roller for severing paper discharged from the casing, the bottom wall of the casing having, rearwardly of said cutter edge, a discharge opening, through which a paper passes, means on the bottom wall cooperating with the

main feed roller for guiding the paper through said discharge opening, the side walls of the cover overlying side extremities of the casing side walls, and the lower edge portion of the front wall of the cover being curved to overlie and conceal said cutter edge.

8. A paper strip dispenser, comprising a casing defined by back, bottom and side walls, the front and top of the casing being open, a hood-like cover pivoted to the upper rear portion of the casing, said cover comprising front, top and side walls, a main feed roller rotatably mounted in the lower front corner portion of the side walls of said casing, means for actuating said roller, a supplemental feed roller movably supported in the side walls of the casing and movable toward and from said main feed roller, a carriage pivotally supported on the side walls of the casing and arranged within the casing and said hood-like cover, the carriage comprising bottom, side and front wall portions, the front wall portion being defined by upper and lower spaced members, means fixed to the bottom wall of the carriage and engaging the bottom wall of the casing for supporting the carriage in operative position in the casing, the carriage forming a support for a substantially endless fanfold paper strip, and in the use of the dispenser the free forward end of such strip is adapted to extend downwardly behind the top member and in front of the bottom member of the front wall portions of the carriage, between said feed rollers and out through an opening in the forward end of the bottom wall of the casing, other means pivotally supported in the side walls of the casing and operatively engaging the fanfold paper supported on the carriage for maintaining the paper in abutting engagement with the front wall portions of said carriage, a transverse hood secured between front, lower corner portions of the side walls of the casing, said hood having a lower cutter edge arranged below the main feed roller for severing paper discharged from the casing, the bottom wall of the casing having, rearwardly of said cutter edge, a discharge opening, through which a paper passes, means on the bottom wall cooperating with the main feed roller for guiding the paper through said discharge opening, the side walls of the cover overlying side extremities of the casing side walls, the lower edge portion of the front wall of the cover being curved to overlie and conceal said cutter edge, and edge portions of the front wall members of said carriage being rounded for free passage of the paper strip thereover.

9. In dispensers of the character described, employing a casing with a movable cover controlling an opening, giving access to the casing and means for positive feed of an elongated paper strip through a discharge in the casing, with means adjacent the discharge for severing the paper strip, a carriage movably supported wholly within the casing and cover and upon which bundles of the paper strip are adapted to be supported, the carriage comprising bottom and side walls with vertically spaced front bearing wall portions, over which the paper withdrawn from a bundle is adapted to pass, said wall portions having rounded edge portions for free movement of the paper strip thereover, and projecting means on the carriage engaging the casing of the dispenser for supporting the carriage in operative position within the casing.

10. In dispensers of the character described, employing a casing with a movable cover controlling an opening, giving access to the casing and means for positive feed of an elongated paper strip through a discharge in the casing, with means adjacent the discharge for severing the paper strip, a carriage movably supported in the casing for movement from a raised loading position to a lowered storing position supporting a bundle of the paper strip in the casing, the carriage comprising bottom and side walls with vertically spaced front bearing wall members, over which the paper withdrawn from a bundle is adapted to pass, said members having rounded

edge portions for free movement of the paper strip thereover, means on the carriage engaging the casing of the dispenser for supporting the carriage in operative position within the casing, said last named means comprising angleiron supporting feet, means movably supported in the casing for constantly urging the paper bundles in the direction of the front wall members of the carriage, and said last named means engaging said angleiron feet in support of the carriage in said loading position in said casing.

11. In dispensers of the character described, employing a casing with a movable cover controlling an opening, giving access to the casing and means for positive feed of an elongated paper strip through a discharge in the casing, with means adjacent the discharge for severing the paper strip, a carriage movably supported in the casing for movement from a raised loading position to a lowered storing position supporting a bundle of the paper strip in the casing, the carriage comprising bottom and side walls with vertically spaced front bearing wall members, over which the paper withdrawn from a bundle is adapted to pass, said members having rounded edge portions for free movement of the paper strip thereover, means on the carriage engaging the casing of the dispenser for supporting the carriage in operative position within the casing, said last named means comprising angleiron supporting feet, means movably supported in the casing for constantly urging the paper bundles in the direction of the front wall members of the carriage, said last named means engaging said angleiron feet in support of the carriage in said loading position in said casing, at least one side wall of the carriage having inwardly projecting key means, and each bundle of paper having a recess extending therethrough engaging said key means in guiding assemblage of the bundles in said carriage.

12. In dispensers of the character described, employing a casing with a movable cover controlling an opening, giving access to the casing and means for positive feed of an elongated paper strip through a discharge in the casing, with means adjacent the discharge for severing the paper strip, a carriage movably supported in the casing for movement from a raised loading position to a lowered storing position supporting a bundle of the paper strip in the casing, the carriage comprising bottom and side walls with vertically spaced front bearing wall portions, over which the paper withdrawn from a bundle is adapted to pass, said portions having rounded edge portions for free movement of the paper strip thereover, means on the carriage engaging the casing of the dispenser for supporting the carriage in operative position within the casing, and said last named means supporting the bottom wall of the carriage in an upwardly and forwardly inclined position.

13. A dispenser comprising a casing open on at least one wall thereof, a pivoted hood-like cover closing the casing opening, means comprising feed rollers for discharging an elongated paper strip from the casing, means for severing said paper strip, the paper strip being in the form of a fanfold bundle, a carriage wholly mounted within the casing and cover when in storage position, said carriage being movable from the storage position into a raised loading position with the cover moved into open position, said carriage having spaced front wall portions for guiding paper from one end of the bundle to and through said feed rollers, and means pivoted in the casing operatively engaging the bundle for urging the same, at all times, in the direction of the front wall portions of said carriage.

14. A dispenser comprising a casing open on at least one wall thereof, a pivoted hood-like cover closing the casing opening, means comprising feed rollers for discharging an elongated paper strip from the casing, means for severing said paper strip, the paper strip being in the form of a fanfold bundle, a carriage wholly mount-

ed within the casing and cover when in storage position, said carriage being movable from the storage position into a raised loading position with the cover moved into open position, said carriage having spaced front wall portions for guiding paper from one end of the bundle to and through said feed rollers, means pivoted in the casing operatively engaging the bundle for urging the same, at all times, in the direction of the front wall portions of said carriage, said carriage having means engaging the casing for support of the carriage in operative position in the casing, and said bundle urging means operatively engaging the last named means in support of the carriage in said loading position.

15. A dispenser comprising a casing open on at least one wall thereof, a pivoted hood-like cover closing the casing opening, means comprising feed rollers for discharging an elongated paper strip from the casing, means for severing said paper strip, the paper strip being in the form of a fanfold bundle, a carriage wholly mounted within the casing and cover when in storage position, said carriage being movable from the storage position into a raised loading position with the cover moved into open position, said carriage having spaced front wall por-

tions for guiding paper from one end of the bundle to and through said feed rollers, means pivoted in the casing operatively engaging the bundle for urging the same, at all times, in the direction of the front wall portions of said carriage, and said carriage having key means controlling mounting of the paper bundle in the carriage.

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