

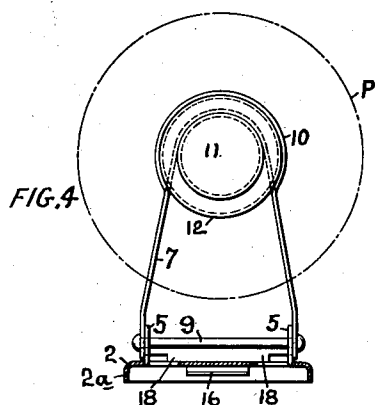
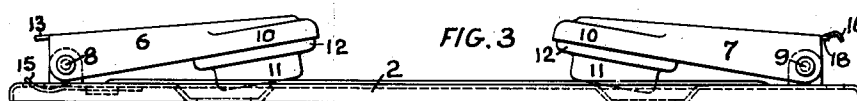
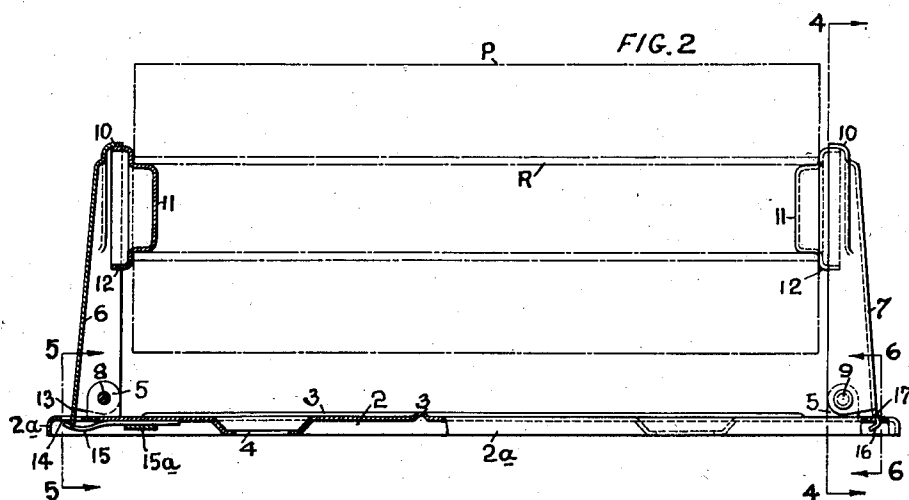
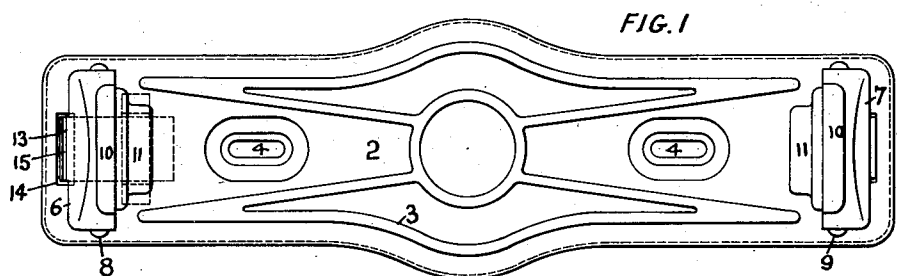
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DISPENSING DEVICE

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1,966,594

DISPENSING DEVICE

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3 Claims. (Cl. 242—55.2)

The dispensing fixture described and claimed in this application is an improvement upon the fixture described in Letters Patent No. 1,815,068, dated July 21, 1931.

5 The object of my invention is to provide a construction of roll dispensing fixture which shall be operable for supporting a roll of paper toweling in a manner to permit it to be unrolled by a gentle pull upon the end of the paper web, while
10 at the same time the paper roll is held from "spinning" or too freely unwinding, by reason of the employment of spring tension applied through the hinged arms upon which the roll is journaled or supported in the fixture.

15 My object is further to so shape and form the operating members of the fixture that they may be fabricated from stamped sheet metal, thereby insuring cooperative assemblage of the parts while providing a durable structure of light weight
20 and consequently one which may be transported at a low cost.

Heretofore, I have made and used a dispensing fixture of the kind shown in my Letters Patent aforesaid, the same being of the same general character as here shown and described, but the
25 same was formed of relatively heavy cast parts and more costly assemblage than is required by the improvements herein illustrated and described.

30 With these and other objects in view, my invention consists in the features of construction hereinafter described in the specification and pointed out in the claims.

Referring to the drawing: Fig. 1 is a side view
35 of a dispensing fixture embodying my invention; Fig. 2 is a plan view of the same with a portion in section; Fig. 3 is a plan view as in Fig. 2, but with the (dotted) roll removed and the roll supporting arms collapsed for convenience in transportation; Fig. 4 is a transverse section taken
40 on line 4—4 of Fig. 2; Fig. 5 is a transverse section taken on line 5—5 of Fig. 2; and Fig. 6 is a similar transverse section taken on line 6—6 of Fig. 2.

45 2 is a stamped sheet metal bracket having a flanged rim 2a and ribbed portions 3 for imparting rigidity, said bracket also having slotted depressions 4 through which fastening screws may extend. The bracket may also be provided
50 with further apertures 14 and 17, referred to hereinafter. As shown in Fig. 4, the flange portions 5, 5, are stamped from the body metal and bent outward from the general surface of the bracket 2 and upon which the arm 6 is hinged
55 at 8 while the hinged end of the arm has a heel

13 arranged to extend through an aperture 14 and press upon the leaf spring 15 which is held in operative relation by the bar 15a. The arm 6 is so pivoted upon the transverse hinge pin 8 that it is free to swing in a downward direction,
60 as indicated in Fig. 3, and out of engagement with the leaf spring 15. It will be understood, however, that when the arm is raised relatively to the bracket 2, the heel portion 13 is brought into contact with the leaf spring 15 to provide a
65 spring action at the outer end toward the paper roll P and its core R, as will be clearly understood by reference to Fig. 2. The arm 6 is furthermore formed of pressed metal in a more or less box-like shape and at its extreme outer end
70 it is provided with a circular socket portion 10 directed toward the paper roll; and for engagement with said roll, the arm is provided with a hub-like journal portion 11 having an enlarged circular body 12 which frictionally engages the
75 circular socket portion 10 of the arm. In this manner, the arm structure 6 is provided with a smooth circular and shouldered bearing portion which enters one end of the tubular core R of the paper roll.

Referring to the other end of the bracket 2, there is pivoted on a transverse axis at 9 an arm 7 similar to the arm 6, but arranged for movement in the opposite direction. This arm 7 is provided at its free end with a varying struc-
80 ture 10, 11, 12, corresponding to the similar structure on the arm 6, but in this case the shouldered bearing 11, 12, is extended in the opposite direction to that presented by the corresponding part 11, 12, of the arm 6. There is a
85 further distinction between the two arms, as the arm 7 is provided with shoulders 18 which rest upon the surface of the bracket 2 when the arm is at right angles to the plane of the bracket, as indicated in Figs. 2, 4 and 6. In this manner, the
90 arm 7 when positioned for actual use, it provides a shouldered bearing 11, 12, which has a definite position, and the paper roll is retained thereon by the spring action of the arm 6 which is so constructed as to be spring-pressed toward the
95 opposite end of the paper roll, so as to perform the dual function of a bearing and a brake to prevent the spinning or free unrolling of the paper web when the end thereof is pulled in the act of withdrawing a certain portion correspond-
100 ing to a towel. This arm 7 is furthermore provided with a heel extension 16 which is shaped to engage an aperture 17 with the edge of which the heel extension frictionally engages, as shown in
105 110

Fig. 2, for holding the arm in its right angled position. This heel extension 16, however, snaps out of engagement with the edge of the aperture 17 when the arm 7 is turned downward to the position shown in Fig. 3. The heel extension 16, therefore, may be considered as a temporary spring lock for holding the arm in a right angled position, and eliminating any tendency to rattle. Furthermore, the arm 7 when in raised position constitutes a fixed abutment against which the end of the paper roll is pressed under the spring action of the other arm 6, and the paper is thereby journaled upon the hub-like shouldered portions 11, 12, and, at the same time, sufficiently clamped between them that a friction or braking action is assured to prevent undesirable unwinding of the roll.

When it is desired to transport the fixture, the arms 6 and 7 may be turned down toward each other and into the positions shown in Fig. 3. In this case, the space required by the collapsed fixture is greatly less than that of the fixture when adjusted to its normal use in supporting the paper roll.

While it is my object to employ the fixture herein described for use in connection with rolls of paper of the character employed as toweling, I do not restrict myself thereto, as the fixture may be employed for dispensing paper in roll form whether for toilet or commercial uses.

It will now be apparent that I have devised a novel and useful construction which embodies the features of advantage enumerated as desirable, and while I have in the present instance shown and described the preferred embodiment thereof which has been found in practice to give satisfactory and reliable results, it is to be understood that I do not restrict myself to the details stated as the same are susceptible of modification in various particulars without departing from the spirit or scope of the invention.

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

1. In a dispensing fixture for paper in roll form, the combination of a bracket with an arm at each end adapted to extend laterally from the bracket and respectively provided with shouldered bearing portions oppositely directed for receiving and supporting the ends of the paper roll, one of said arms being hinged to the bracket with provision for detachably locking the same at right angles to the plane of the bracket and so as to prevent swinging action, and the other of which is hinged with freedom of movement toward or from the first mentioned arm, and a spring device for yieldingly pressing the said arm last mentioned in position to engage the end of the paper roll and apply a braking pressure thereto.

2. A roll paper dispensing fixture, comprising a pressed metal bracket or body having flange portions near each end extended outwardly in pairs, combined with arms hinged to the said flange portions so as to be movable toward or from each other, said arms each formed of pressed metal with substantially circular socket portions at their free ends, circular shouldered hub portions having continuous annular surfaces frictionally held to the socket portions of the arms and protruding therefrom, means for detachably locking one of said arms at substantially right angles to the bracket or body, and spring means for pressing the free end of the other arm yieldingly toward the first mentioned arm for frictionally supporting the paper roll in position between the shouldered hub portions of the arms.

3. The invention according to claim 1, wherein further, the detachably locked arm is provided with an angular extension which engages a slotted portion of the bracket for detachably locking the said arm in a right-angled position with respect to the bracket.

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