

R. E. TAYLOR.
WRAPPING PAPER DISPENSING RACK.
APPLICATION FILED FEB. 25, 1915.

1 159,619.

Patented Nov. 9, 1915.

Fig. 1.

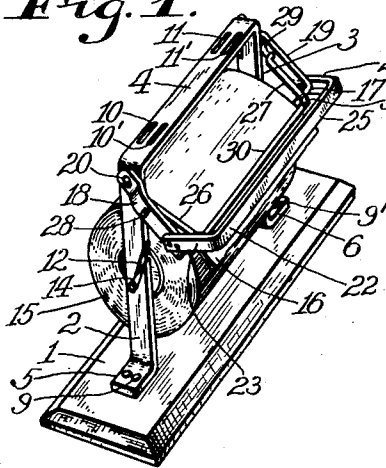


Fig. 2.

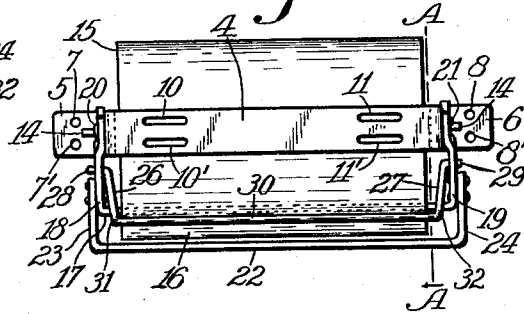


Fig. 4.

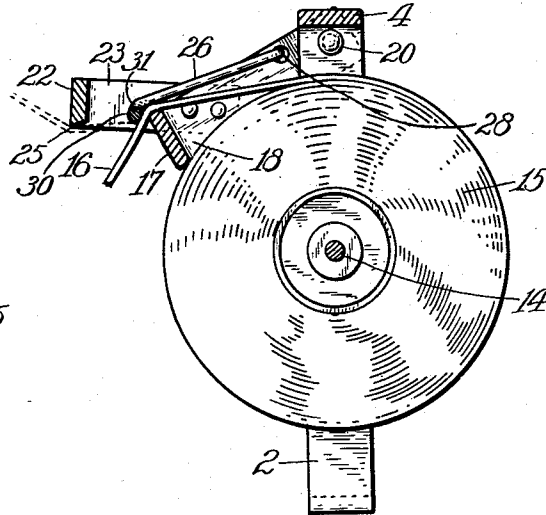


Fig. 3.

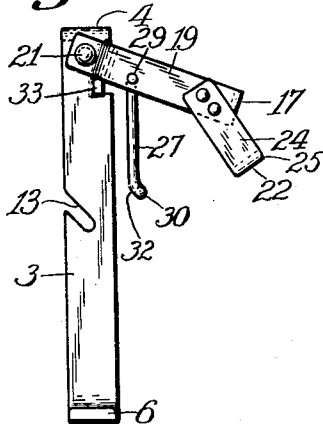
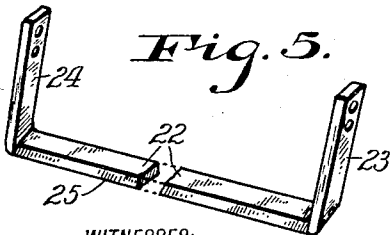


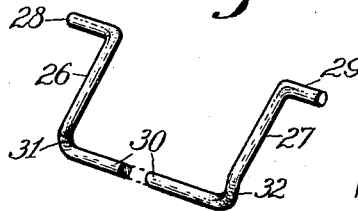
Fig. 5.



WITNESSES:

J. H. Gardner.
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Fig. 6.



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UNITED STATES PATENT OFFICE.

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WRAPPING-PAPER-DISPENSING RACK.

1,159,619.

Specification of Letters Patent.

Patented Nov. 9, 1915.

Application filed February 25, 1915. Serial No. 10,398.

To all whom it may concern:

Be it known that I, ROBERT E. TAYLOR, a citizen of the United States, residing at Lebanon, in the county of Boone and State of Indiana, have invented a new and useful Wrapping-Paper-Dispensing Rack, of which the following is a specification, reference being had to the accompanying drawings and to the letters and figures of reference marked thereon.

This invention relates to the type of rack that is designed to hold a roll of web paper for the use of merchants or others in making packages or wrapping articles for delivery or other purposes, more especially in establishments or places of business where various sizes of packages are required to be made and therefore different sizes of sheets of paper are the more economical and convenient than when sheets of uniform size are used.

An object of the invention is to provide an improved rack of the above-mentioned character for dispensing wrapping paper so that sheets of various lengths may be obtained at will, and which shall be so constructed as to be capable of holding the end of the web paper free from the roll in a convenient position so that the end may be readily grasped when it is desired to draw paper from the roll and tear it off or sever it for use.

Another object of the invention is to provide a roll-paper rack of improved construction that shall enable a merchant to save much time when using the paper for making packages, and especially when the rack must be in a position in which it is not well lighted.

A further object is to provide an improved rack that shall be so constructed that when made in different sizes they may be conveniently connected together, one upon another, in order that different widths of paper may be supplied from a combination of racks without requiring more ground or counter space than would be necessary to accommodate a single rack.

With the above-mentioned and other objects in view, the invention consists in a wrapping paper dispensing rack for supporting a roll of web paper to be severed by drawing the paper against a straight-edge bar or shear blade that is supported at a distance from the roll in order to leave the end of the paper on the roll projecting a suitable distance to be taken hold of after a

portion of the paper has been severed for use, the rack preferably being provided with a device for pressing the paper away from the shear blade and hold the paper so as to project from the roll into space.

The invention consists also further in the parts, and combinations and arrangements of parts, as hereinafter particularly described and further set forth in the accompanying claim.

Referring to the drawings,—Figure 1 is a perspective view of the improved rack as preferably constructed so as to constitute a single rack or a section of a combination rack, a roll of web paper being arranged in the rack as when in use; Fig. 2 is a top plan of the rack and roll of paper therein as in the preceding figure; Fig. 3 is an end elevation of the rack adjusted so as to leave clear space for inserting the roll into the rack; Fig. 4 is a sectional elevation on the line A A on Fig. 2; Fig. 5 is a perspective view of the straight-edge bar or shear blade on which to sever the paper; and Fig. 6 is a perspective view of the device for holding the paper in proper position so that it may quickly be drawn from the roll.

Similar reference characters on the different figures of the drawings indicate corresponding elements or features of construction herein referred to.

In construction, the improved rack in some cases includes a suitable base 1 to serve as a firm support; but in some cases a support may be afforded by a store counter, a bench, or a table. The frame of the rack proper comprises two standards 2 and 3, a cross-bar 4 connected to the tops of the standards, and base members 5 and 6 connected to the lower ends of the standards respectively. One foot member has apertures 7 and 7' therein, the other having similar apertures 8 and 8' therein, for receiving suitable securing devices 9, 9', whereby to fasten the base members to a broader base 1 or other support. The cross-bar 4 has longitudinal slots 10 and 10' therein near one end, and similar slots 11 and 11' near the opposite end of the cross-bar to receive the securing devices of a relatively smaller rack which may be placed upon the cross-bar and secured thereto. The standards have inclined slots 12 and 13 therein in which the spindle or shaft 14 of the roll of web paper 16 is supported, so that the paper may be drawn off as needed for use.

A guide bar 17 is provided for guiding the paper from the roll and it has supporting arms 18 and 19 which are connected to the frame. It being preferable that the guide bar act as a friction brake on the roll, the arms of the guide bar preferably are connected by means of pivots 20 and 21 respectively to the upper portions of the standards, so that the guide bar normally rides on the surface of the roll and obviously descends as the roll diminishes in diameter.

A shear blade 22 is provided which has arms 23 and 24 that are preferably supported by the arms 18 and 19 respectively being riveted or otherwise secured thereto. The arms support the blade at a suitable distance outward from the upper portion of the guide bar 17, and the blade has a shear edge 25 on its under portion against which the paper is brought to be severed, the edge, however, not being sufficiently sharp to endanger the operator.

The device for holding the paper on the top of the guide bar 17 preferably comprises two arms 26 and 27 having outwardly extending trunnions 28 and 29 respectively that are rotatably mounted in the arms 18 and 19 in proximity to the pivots 20 and 21 respectively. The arms 26 and 27 are on the inner sides of the arms 18 and 19 respectively and extend over the top of the guide bar 17 for support and carry a cylindrical or rounded drop-bar 30. Preferably the arms 26 and 27 have downwardly curved portions 31 and 32 respectively that extend down at the front of the top portion of the bar 17 so as to hold the bar 30 in a position slightly lower than the top of the guide bar in order to press the paper downwardly away from the shear edge 25 of the shear blade. The slots 13 and 14 preferably are in the front sides of the standards and in such case it is desirable that the arms 18 and 19 be swung over to the rear of the frame, as in Fig. 3, and in such case one of the standards preferably is provided with a projecting stop 33 on which one of the arms may rest when swung back.

In practical use the end of the paper normally projects from the top of the guide bar 17 downwardly under the drop-bar 30 at a suitable distance from the roll and also

from the shear blade so that the end of the paper may be conveniently and quickly taken hold of. The paper is drawn off from the roll to the required extent and then drawn upward against the shear edge 25, as indicated by broken lines on Fig. 4, after which the paper is drawn laterally upward with a twisting movement so as to be severed by the shear blade from the remaining paper, the end of the latter immediately falling away from the shear blade because of the direction of the pressure of the drop-bar 30, the latter preventing air drafts or breezes from blowing the end portion of the paper off of the guide bar 17. It will be seen, therefore, that the end of the remaining paper will be held in convenient position to be again taken hold of when more paper is required for use. It should be understood that when the paper is drawn taut against the shear blade the paper slightly lifts the drop-bar, and after the sheet is severed the weight of the drop-bar acts to push the paper down from the shear blade.

Having thus described the invention, what is claimed as new is,—

A wrapping-paper dispensing-rack comprising two standards having each a roll-bearing, a cross-bar rigidly connected to the tops of the standards, two arms pivoted to the standards respectively adjacent to the cross-bar, a guide bar fixed to the arms to ride on a roll of paper mounted in the roll-bearings, a shear blade having two arms rigidly secured to the pivoted arms adjacent to the guide bar and supporting the shear blade beyond the guide bar, two drop-bar arms pivotally connected to said pivoted arms adjacent to the pivots thereof and normally extending on the inner sides thereof upon and downward over the top of said guide bar, and a drop-bar fixed on the ends of said drop-bar arms and normally supported between the top of said guide bar and said shear blade.

In testimony whereof, I affix my signature in presence of two witnesses.

ROBERT E. TAYLOR.

Witnesses:

CLYDE E. NEESE,
WALTER E. KING.