No. 745,612. PATENTED DEC. 1, 1903.

F. H. HOBERG.

ROLLED PAPER PACKAGE.

APPLICATION FILED MAR. 30, 1903.

MODEL. 2 SHEETS—SHEET 1.

Fig. 4.

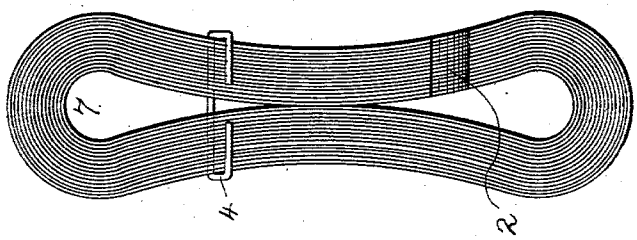


Fig. 5.

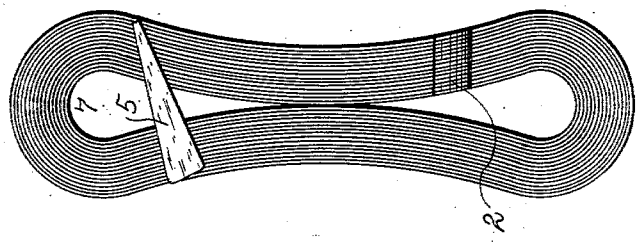


Fig. 6.

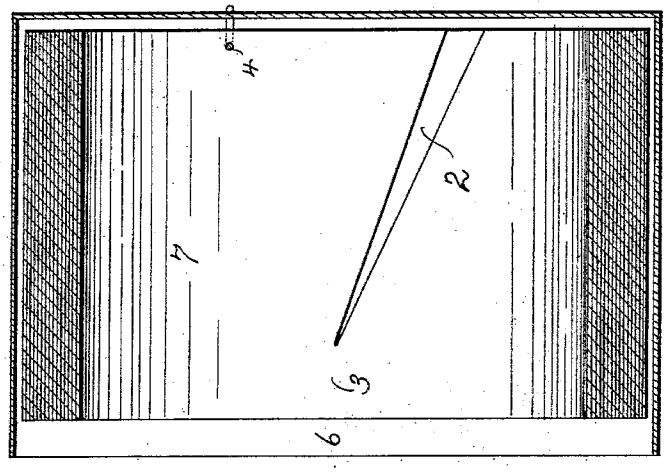
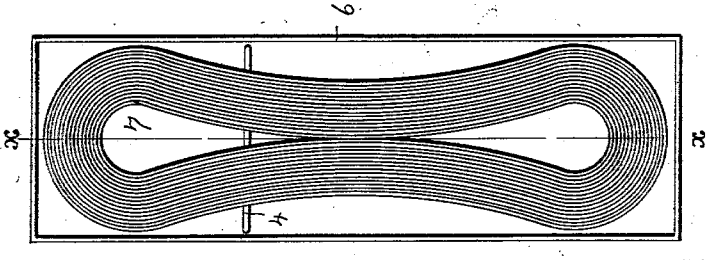


Fig. 7.



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No. 745,612. PATENTED DEC. 1, 1903.

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MODEL. 2 SHEETS—SHEET 2.

Fig. 5.

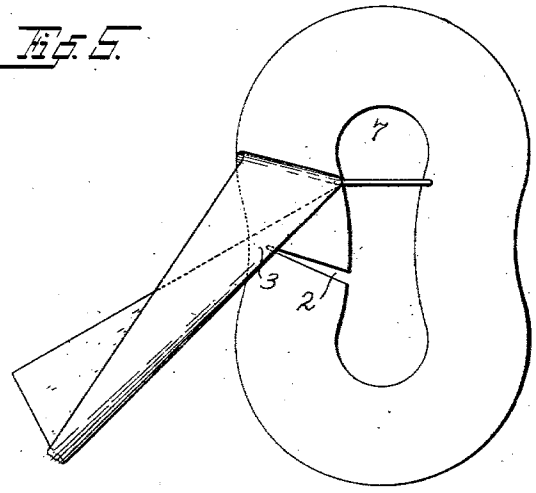
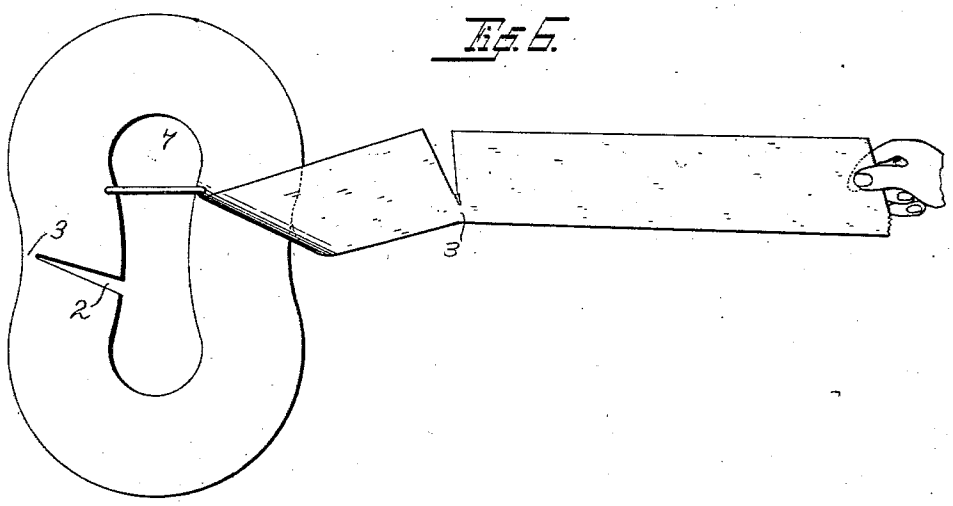


Fig. 6.



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No. 745,612. Patented December 1, 1903.

UNITED STATES PATENT OFFICE.

FRANK H. HOBERG, OF GREENBAY, WISCONSIN.

ROLLED PAPER PACKAGE.

SPECIFICATION forming part of Letters Patent No. 745,612, dated December 1, 1903.

Application filed March 30, 1903. Serial No. 150,154. (Model.)

To all whom it may concern:

Be it known that I, FRANK H. HOBERG, a citizen of the United States, residing at Greenbay, county of Brown, and State of Wisconsin, have invented new and useful Improvements in Rolled Paper Packages, of which the following is a specification.

My invention relates to improvements in that class of paper packages in which a continuous strip of paper is wound in roll form and the roll partially severed to facilitate the removal of detached sheets.

The object of the invention is to provide a form of roll in which the sheets will be automatically detached by the manual act of pulling on the end of the strip, the point of separation being sufficiently distant from the package to leave a projecting remainder or portion of a succeeding sheet.

Heretofore cabinets have been provided in which various devices were employed to facilitate the separation of a sheet and the exposure of a projecting end of the succeeding sheet; but this invention differs from all others in that the package itself regulates the withdrawal of the sheets in a manner to accomplish the separation of each sheet and the exposure of the next whether a cabinet is employed or not. It also differs from all others in the fact that it provides means for the delivery of the sheets from the inner end of the strip comprising the roll.

In the following description reference is had to the accompanying drawings, in which—

Figure 1 is a view of my invention, showing my improved rolled package in a cabinet having an open front, exposing the edges of the paper composing the roll. Fig. 2 is a sectional view drawn on line *x x* of Fig. 1. Figs. 3 and 4 are rear views of the packages, showing the binding. Fig. 5 is a view of the inner face of the roll developed and showing one sheet as it appears when being torn off at one of the back fastenings. Fig. 6 is a similar view showing a sheet as it appears when being torn from the other back fastening.

Like parts are identified by the same reference characters throughout the several views.

The paper is prepared in a continuous strip which is rolled up in the form of an ordinary rolled package. This package or roll is cut or partially severed at 2, the cut extending inwardly from the rear nearly to the front, preferably on a diagonal line having an upward pitch from the rear toward the front, so that the paper will readily separate into sheets by tearing across the comparatively narrow connecting-tongue 3.

At the rear the paper is bound by a binding-wire 4, Fig. 4, or by a band or strip 5 of material secured to the edges of the paper by mucilage, Fig. 3, or, if desired, the edges of the paper on each side of the center may be merely stuck together by mucilage along the line of the connecting-strip 5. The object of this arrangement is to provide a detent or binding for the sheets of slightly-greater strength than that of the tongue 3. The package may be secured in a cabinet 6 by means of the binding-wire, as shown in Figs. 1 and 2, or it may be merely glued or otherwise fastened along the line of the strip 5 to any suitable support. The detent may also be made to engage the sheets on either one or both sides of the central aperture.

In operation the paper is withdrawn from the inner end of the strip composing the roll, this end being arranged to project at the front end of the package, as indicated. By pulling on the projecting end of the strip the sheet grasped will readily pull away from the detent 5 or 4; but the succeeding sheet will be detained sufficiently to cause the first sheet to tear off, as indicated in Fig. 5, leaving the second sheet projecting sufficiently to be readily grasped when it is desired to remove it.

The slit 2 is preferably located below the detent, the latter being located near the upper portion of the central aperture 7 of the roll. In forming the roll it is preferably wound upon a large spool or roller, so that the central space 7 will be of sufficient size to permit the roll to be flattened, as illustrated. If desired, however, the roll may be originally wound in an oval form.

It is of course necessary that the detents should be located at a sufficient distance from the slit or line of weakness 2 to permit the end of each sheet to be drawn out from the center of the roll and exposed at the front end of the roll in a position to be grasped.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. A roll of paper having its central portion open and unobstructed, and provided with a cut or slit in one side, partially severing the paper into sheets; and a detent securing the edges of the several sheets together at one end of the roll at a point sufficiently distant from the point of severance to permit a partial withdrawal of the sheet from the front end of the roll before the strain of withdrawal is applied to the detent.

2. A roll of paper having its central portion open and unobstructed, and provided with a cut or slit in one side, partially severing the paper into sheets; and a detent securing the edges of the several sheets together at one end of the roll sufficiently distant from the point of severance to permit a partial withdrawal of the sheets from the front end of the roll before the strain of withdrawal is applied to the detent; said detent having a stronger engagement with the paper than that of the several individual sheets with each other.

3. A roll of paper comprising a continuous strip, divided into sheets by a slit partially severing the roll at one side of its center and from one end of the roll along a diagonal line toward the other end; a detent connecting the edges of the sheets at the slitted end, and having stronger engagement with the sheets than that of the sheets with each other at the line of the slit; the central portion of the roll being left open and unobstructed, and the inner end of the strip being loose and arranged to project from the end of the roll opposite the detent.

4. A roll of paper having its central portion open and unobstructed, and provided with a cut or slit in one side, partially severing the paper into sheets; and a detent securing the edges of the several sheets together at one end of the roll at a point sufficiently distant from the point of severance to permit a partial withdrawal of the sheet from the front end of the roll before the strain of withdrawal is applied to the detent; together with an exterior support for the package, connected therewith through the medium of said detent.

5. A roll of paper having its central portion open and unobstructed, and provided with a cut or slit in one side, partially severing the paper into sheets; and a detent securing the edges of the several sheets together at one end of the roll at a point sufficiently distant from the point of severance to permit a partial withdrawal of the sheet from the front end of the roll before the strain of withdrawal is applied to the detent; together with an exterior support for said package connected therewith at the end occupied by said detent.

6. A roll of paper having its central portion open and unobstructed, and provided with a cut or slit in one side, partially severing the paper into sheets; and a detent securing the edges of the several sheets together at one end of the roll at a point sufficiently distant from the point of severance to permit a partial withdrawal of the sheet from the front end of the roll before the strain of withdrawal is applied to the detent; together with an inclosing case covering all portions of the roll except the end opposite the detent.

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

FRANK H. HOBERG.

Witnesses:
H. M. MADSER,
HENRY GOETHE.