To all whom it may concern:

Be it known that I, Edward P. Flynn, a citizen of the United States of America, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Packages of Sensitized Material, of which the following is a full, clear, and exact specification.

This invention relates to a package of sensitized material and more particularly to a roll of material, at least a part of which is sensitized, the outermost convolution of which is secured by an adhesive sticker sheet to the next inner convolution.

It is common to place such sticker sheets in a position entirely covering the extreme end of the band. In heavy rolls, as of paper for a commercial copying purpose, these sticker sheets are made of fairly strong material and it is not always an easy matter to tear them and start the unrolling of the band. The objects of this invention are to improve the method of securing the free end of such a band, to permit the use of a sticker of fairly strong material, and to provide a strong manipulating tab by which such a sticker may be readily torn. These and other objects are attained by the structure hereinafter described, and illustrated in the accompanying drawing in which:

Fig. 1 is a perspective view of a package secured by my improved means;

Fig. 2 is a section of such a roll showing the starting of the opening action;

Fig. 3 is a plan of the end of the band before being folded;

Fig. 4 is a similar view showing the folded arrangement;

Fig. 5 is an elevation of a package with a modified arrangement;

Fig. 6 is a plan of the end of a band folded as shown in Fig. 5.

The form of package which I have chosen to illustrate my invention comprises a long band of material 1, at least a part of which is sensitized, wound into a roll and carried on end hubs 2 which engage the innermost convolution 3 frictionally and which are secured to end flanges 4 with reinforced rounded edges 5. As the details of the spool or coil as such are not claimed, they need not be further described.

In my preferred form the end of the band is cut symmetrically to form edges 6 at an angle to the side edges 7 and meeting at a point 0. These are then bent back on the lines 0', so that the edges 6 meet and abut on the mid-line of the band. The bent over flaps 8 lie on the underside of the band and are firmly held in position by the band when rolled, though they may be adhesively secured if desired.

There is thus formed a tapered end portion 9 which is strengthened and reinforced throughout its length by the flaps 8. The angle originally made by the edges 6 determines the angle of the line 0' when the edges 6 are bent to longitudinal position, and I have found the proportions shown to be satisfactory. The tapered portion preferably should not be too long as a complete convolution of the band, but it should be long enough to provide a long taper permitting the ready placing of a sticker sheet 10 transversely thereof. The sticker sheet will be placed far enough from tip 0 to leave a tab 11 which may be easily grasped and which is strong enough so that when pulled it will readily disrupt the sheet 10, even though the latter is made of fairly strong material. The sticker sheet is preferably made of paper coated on its under surface with an adhesive by which its central portion is secured to the tapered end 9 and its ends 16 are secured to the next inner convolution of band 1.

Fig. 2 shows the sheet 10 partially disrupted, one end portion 16 being shown in contact with the next convolution, while the tab 11 is carrying with it the central portion of the sticker sheet. As is shown, the reinforced tab is thicker and stronger than sheet 10.

A modified form of reinforced end is illustrated in Figs. 5 and 6. The band 1 has at its end symmetrically inclined edges 12 which are arranged at the angle of the desired final taper, and the extreme tip 13 is bent straight back on the line 14, transverse of the band. It is bent under the band and may be adhesively secured if desired. This tapered portion of the band as used is blunt ended and only the extreme end portion is reinforced by the bent over portion 15. This reinforcement, however, extends far enough back to form a tab of sufficient
length for manipulation and the sticker sheet 10 will be applied at such a position as to overlap the turned back portion 15.

It is to be understood that the above described forms are to be considered as examples of my invention, and I contemplate as within the scope thereof all such modifications and equivalents as fall within the terms of the appended claims.

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

1. A package of sensitized material comprising a rolled band, the outer end portion of which is tapered, all of said tapered portion being reinforced by a double thickness formed by folding the material back on itself, and a sticker sheet lying across said tapered portion, the ends of the sticker sheet being secured to the next inner convolution of the band and constituting the sole sealing means for the package, the extreme end of the tapered portion extending beyond the sticker sheet and constituting a manipulating tab.

2. A package of sensitized material comprising a rolled band, the outer end portion of which is symmetrically tapered and reinforced, the reinforcements comprising corner portions folded back until their edges meet in the mid-line of the band, and a sticker sheet lying across said tapered portion with its ends adhesively secured to the next inner convolution of the band and constituting the sole sealing means for the package, the extreme end of the tapered portion extending beyond the sticker sheet and constituting a manipulating tab.

Signed at Rochester, New York, this 7th day of March 1923.

EDWARD P. FLYNN.