

Aug. 31, 1943.

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2,328,522

RUBBER BAND DISPENSER

Filed Nov. 18, 1941

2 Sheets-Sheet 1

Fig. 1

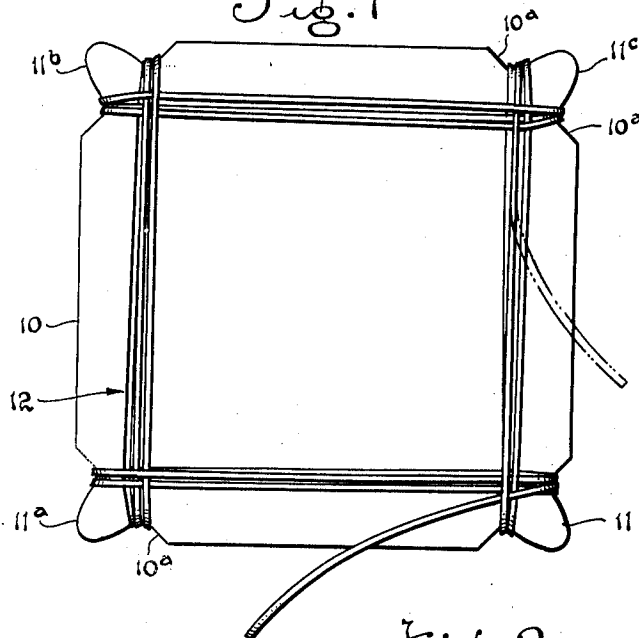
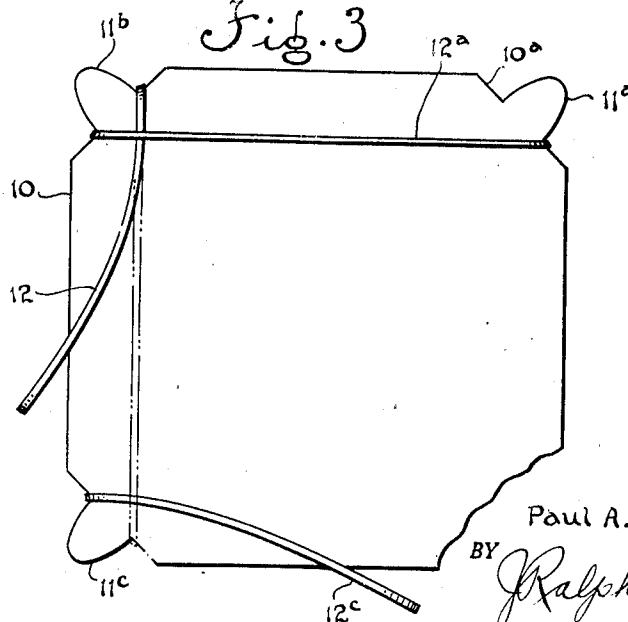


Fig. 2



Fig. 3



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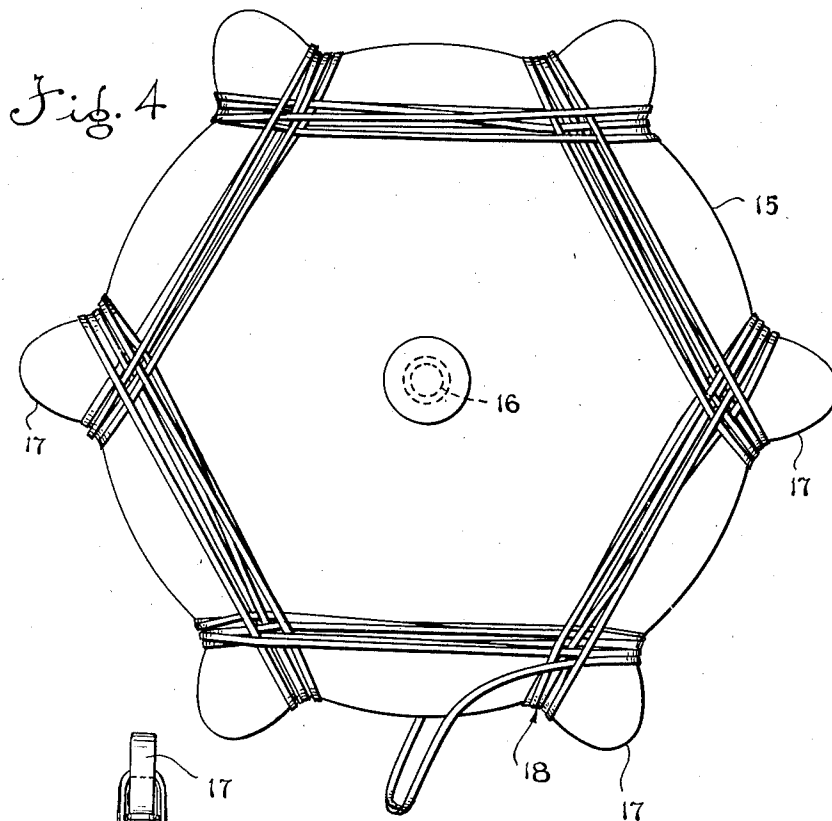
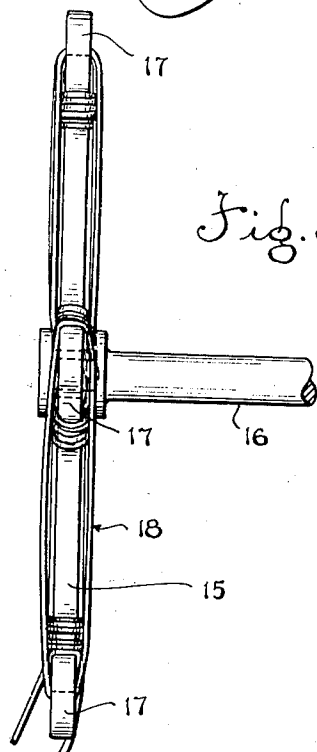
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RUBBER BAND DISPENSER

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Application November 18, 1941, Serial No. 419,555

6 Claims. (Cl. 206—46)

This invention relates to a rubber band or like dispenser.

An object of the invention is to provide an improved rubber band dispenser in which rubber bands are disposed to be removed one at a time, there being a single band extended freely for ready removal and such removal thereof placing another band in position for similar removal.

Another object of the invention is to provide a rubber band dispenser of the character described having a peripheral series of bands thereon, the dispenser being mounted to rotate about a relatively fixed axis, whereby removal of one band from the series will automatically set the dispenser in position for convenient reach of another band for removal therefrom.

Another object of the invention is to provide a rubber band dispenser of the character described which is compact and convenient to use and yet which is simple and economical to manufacture.

These and other objects of the invention will be manifest from the following brief description and the accompanying drawings.

Of the accompanying drawings:

Figure 1 is a front elevational view of a rubber band dispenser embodying the invention.

Figure 2 is an edge view thereof.

Figure 3 is a view, similar to Figure 1, illustrating the method of arranging the rubber bands on the dispenser.

Figure 4 is a front view of a modified form of the invention.

Figure 5 is an edge view of Figure 4 as viewed from the right thereof.

Referring particularly to Figures 1, 2 and 3 of the drawings, the numeral 10 designates a body of relatively stiff sheet material, such as cardboard, this body being in the form of a square, although it may be triangular or in the shape of any other polygonal figure, as will be understood later. The corner portions of the body or card 10 may be notched at 10^a, 10^a to define outwardly tapered and rounded protuberances 11, 11.

Stretched between pairs of adjacent protuberances 11, in progressive series around the periphery of the body, may be elastic bands 12 of known type and indicated generally at 12, these bands engaging in oppositely disposed notches 10^a. Each rubber band of the series between the first and last ones in the order of mounting the same on the body have one end thereof engaging through the next preceding band of the series to engage over its respective protu-

berance 11. The last band in the series also has one end engaging through the next preceding band of the series and over a protuberance, but the other end thereof is left loose to be readily grasped between the fingers to remove it from the body 10. Thus by disengaging the loose band 12, shown in full lines in Figure 1, from the protuberance 11 on which it is retained only by the next preceding band of the series said next preceding band will be automatically loosened, as indicated in chain-dotted lines in Figure 1, for subsequent removal in a similar manner to that described. In the same way all of the bands on body 10 may be removed in succession. The tapered and rounded shape of the protuberances 11 greatly facilitates slipping a band over the end of a protuberance upon pulling a previously loosened band outwardly of the body.

The procedure for arranging the elastic bands 12 on the body 10 for use as described above is best shown in Figure 3. First, an elastic band 12 is looped at one end over the protuberance 11^b, and then an elastic band 12^a is stretched between said protuberance 11^b and the protuberance 11^a over the end of band 12^b, as shown in full lines in Figure 3. Next, an elastic band 12^c is engaged over the protuberance 11^c at the side thereof adjacent protuberance 11^b, and the free end of the band 12 is engaged over the other side of protuberance 11^c and over the end of band 12^c, as indicated in chain-dotted lines. Similarly elastic bands may be progressively arranged in series between adjacent protuberances in succession around the periphery of the body 10, the last band mounted on a body, of course, having one end left loose, as shown in full lines in Figure 1.

Figures 4 and 5 illustrate another form of the invention which may comprise a body 15 of relatively stiff material, such as cardboard, this body being suitably removably mounted on a shaft 16 for rotation about a horizontal axis. The body 15 is shown formed with a peripheral edge from which extend six axially spaced, tapered and rounded protuberances 17, 17. Stretched between adjacent pairs of protuberances 17 may be elastic bands indicated generally at 18, the same being arranged in progressive series around the periphery of the body substantially as described in connection with Figures 1 to 3, the last band in the series having an end extending loosely, as before, for the purposes described.

When elastic bands 18 are successively pulled from the dispenser described above, the body 15 will be automatically caused to rotate on its axis

to position the loosened ends of the bands for most convenient reach by the user. For example, by pulling downwardly on the loose ends, as viewed in Figure 4, the dispenser will always rotate to about the same relative position of said loose ends.

Obviously, the improved dispensing device may be formed with three or more protuberances as described. Other modifications of the invention may be resorted to without departing from the spirit thereof or the scope of the appended claims.

What is claimed is:

1. A rubber band dispenser, comprising a body having a peripheral edge defining a closed figure and having three or more peripheral protuberances extending outwardly of said edge, and rubber bands stretched over adjacent pairs of said protuberances in a progressive series around the periphery of said body adjacent protuberances being spaced so that the bands are held stretched over the same, each rubber band of said series between the first and the last having one end thereof engaging through the next preceding band of the series and over its respective protuberance, the last band in said series also engaging through the next preceding band of the series but having its other end out of engagement with a protuberance.

2. A rubber band dispenser, comprising a body having a peripheral edge defining a closed figure and having three or more peripheral protuberances extending outwardly of said edge, said protuberances being outwardly tapered, and rubber bands stretched over adjacent pairs of said protuberances in a progressive series around the periphery of said body adjacent protuberances being spaced so that the bands are held stretched over the same, each rubber band of said series between the first and the last having one end thereof engaging through the next preceding band of the series and over its respective protuberance, the last band in said series also engaging through the next preceding band of the series but having its other end out of engagement with a protuberance.

3. A rubber band dispenser comprising a body having a peripheral edge defining a closed figure and having three or more peripheral protuberances extending outwardly of said edge, said protuberances being outwardly tapered and rounded, and rubber bands stretched over adjacent pairs of said protuberances in a progressive series around the periphery of said body adjacent protuberances being spaced so that the bands are held stretched over the same, each rubber band of said series between the first and the last one having one end thereof engaging through the next preceding band of the series and over its

respective protuberance, the last band in said series also engaging through the next preceding band of the series but having its other end out of engagement with a protuberance.

4. A rubber band dispenser comprising a body having a peripheral edge defining a closed figure and having three or more peripheral protuberances extending outwardly of said edge, and means for rotatably mounting said body, and rubber bands stretched over adjacent pairs of said protuberances in a progressive series around the periphery of said body adjacent protuberances being spaced so that the bands are held stretched over the same, each rubber band of said series between the first and the last having one end thereof engaging through the next preceding band of the series and over its respective protuberance, the last band in said series also engaging through the next preceding band of the series but having its other end out of engagement with a protuberance.

5. A rubber band dispenser comprising a relatively flat body having a peripheral edge defining a closed figure and having three or more peripheral protuberances extending outwardly of said edge, said protuberances being outwardly tapered and rounded at the ends thereof, and rubber bands stretched over adjacent pairs of said protuberances in a progressive series around the periphery of said body adjacent protuberances being spaced so that the bands are held stretched over the same, each rubber band of said series between the first and the last having one end thereof engaging through the next preceding band of the series and over its respective protuberance, the last band in said series also engaging through the next preceding band of the series but having its other end out of engagement with a protuberance.

6. A rubber band dispenser comprising a body of relatively stiff sheet material, said body having a peripheral edge defining a closed figure and having three or more peripheral protuberances extending outwardly of said edge, said protuberances being outwardly tapered and rounded at the ends thereof, and rubber bands stretched over adjacent pairs of said protuberances in a progressive series around the periphery of said body adjacent protuberances being spaced so that the bands are held stretched over the same, each rubber band of said series between the first and the last having one end thereof engaging through the next preceding band of the series and over its respective protuberance, the last band in said series also engaging through the next preceding band of the series but having its other end out of engagement with a protuberance.

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