July 24, 1956 R. F. BREDIN 2,755,494

LINT REMOVER HAVING AN ENDLESS TACKY WEB

Filed April 7, 1953

Fig. 1

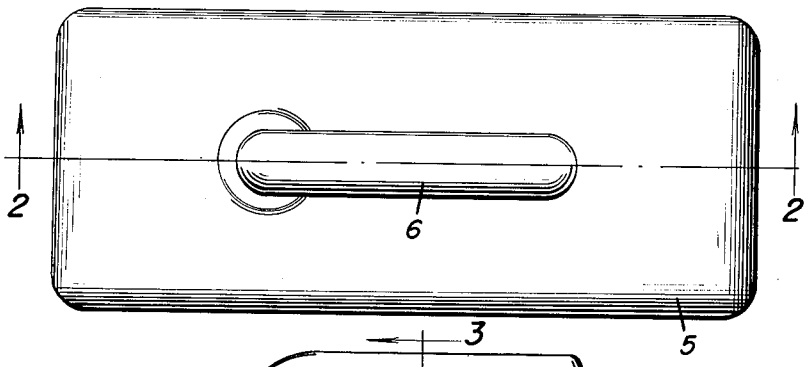


Fig. 2

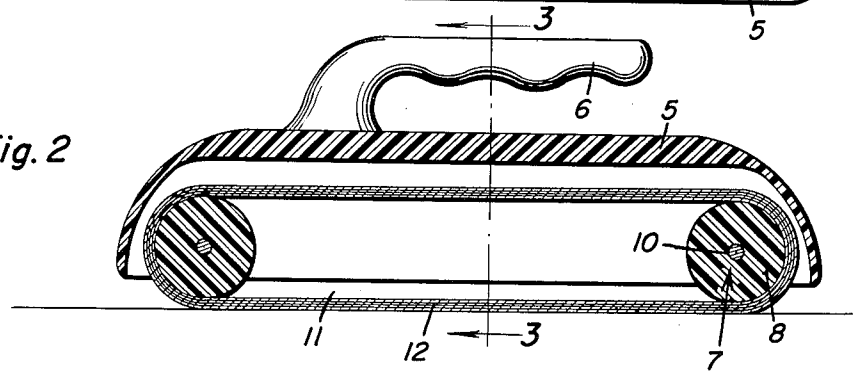


Fig. 4

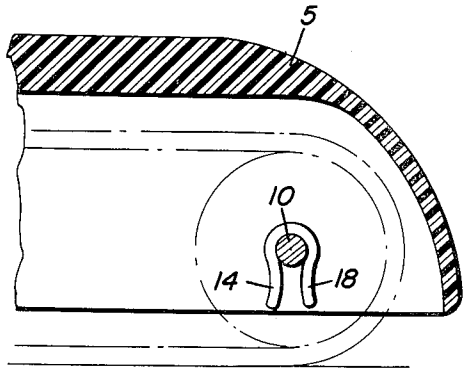


Fig. 3

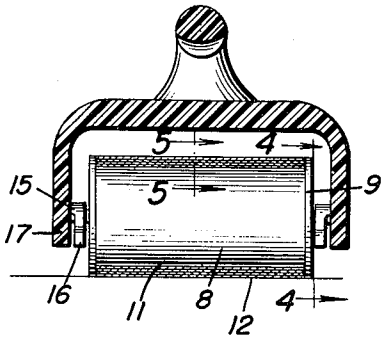
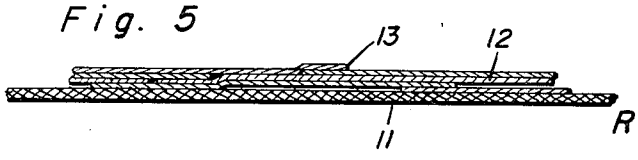


Fig. 5



Roger F. Bredin
INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson
Attorneys

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LINT REMOVER HAVING AN ENDLESS TACKY WEB

Roger F. Bredin, Evanston, Ill.

Application April 7, 1953, Serial No. 347,220

1 Claim. (Cl. 15—104)

The present invention relates to new and useful improvements in cleaning devices for removing lint and other loose particles from clothing or other types of fabrics.

An important object of the invention is to provide a cleaning device of this character of a double reel and web type and wherein the web is constructed of removable strips having tacky or adhesively coated outer surfaces to which loose particles will cling or adhere as the same is moved over the fabric and whereby the outermost layer or strip of the web may be removed when its surface has become so coated with loose particles as to lose its effectiveness and a fresh adhesive strip brought into exposed position for cleaning purposes.

Another object of the invention is to provide a device of this character wherein the reel part of the double reel and web structure comprises a pair of rollers mounted at the underside of a handle.

A still further object is to provide a device of this character of simple and practical construction, which is efficient and reliable in operation, neat and attractive in appearance, relatively inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages which will subsequently become apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a top plan view;

Figure 2 is a longitudinal sectional view taken on a line 2—2 of Figure 1, the handle being shown in elevation;

Figure 3 is a transverse sectional view taken on a line 3—3 of Figure 2; and

Figures 4 and 5 are enlarged fragmentary sectional views taken respectively on the lines 4—4 and 5—5 of Figure 3.

Referring now to the drawing in detail, wherein, for the purpose of illustration, I have disclosed a preferred embodiment of the invention, the numeral 5 designates a substantially channel-shaped holder having a handle 6 at the back thereof and extending longitudinally of the holder in spaced, substantially parallel relation above the latter.

A double reel and web structure is designated generally at 7 and in which the reel part comprises a pair of reels or rollers 8 having flanges 9 at the end portions thereof and through which a shaft 10 extends axially of the reels or rollers to project outwardly at each end thereof.

The web part of the double reel and web structure comprises an endless canvas or other suitable band 11 mounted to travel freely on the reels or rollers 8 and on which is placed a plurality of adhesively coated or tacky strips 12 having their adhesive surfaces outermost

to secure the ends of each strip to each other in overlapping relation, as shown at 13, and to secure the successive strips in a laminated arrangement on the foundation band 11.

The holder 5 is preferably constructed of a commercially, well-known plastic or other suitable material and pairs of resilient clips 14 are supported internally of the channel of the holder in pairs adjacent each end of the holder by means of a web 15 projecting laterally at the bight portion of the clips and which may be integrally molded or otherwise suitably secured to the channel of the holder 5 to hold the leg portions 16 of the clips in a downwardly extending position and spaced from the flanges 17 of the channel, as shown to advantage in Figure 3 of the drawing. The clips 14 provide bearing mountings for the ends of the roller shafts 10 by curving the legs 16 of the clips inwardly toward each other, as shown at 18, to form a restricted opening for receiving the shaft 10 and by means of which the shaft is held in the upper portion of the clips by a snapping action.

In the operation of the device, the holder 5 is moved over a garment or other fabric to be cleaned so that the lowermost flight of the double reel and web structure will contact the surface of the fabric and the adhesive or tacky surface of the strips 12 will thus pick up lint or other loose particles from the fabric.

As the outermost strip 12 of the web becomes coated with the loose particles, the overlapping end 13 thereof may be pulled free to remove the outermost layer or strip of the web and thus expose a fresh adhesively coated strip.

The strips may be replenished by removing the reels or rollers 8 from the clips 14.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claim.

What is claimed as new is:

A cleaning device comprising an elongated holder having a channel at its underside, and a double reel and web structure mounted in the channel of the holder for movement of the web longitudinally thereof and with one flight of the web positioned below the channel, said web including an endless foundation band mounted on the reels for free rotation, and a plurality of adhesively coated strips of predetermined length secured to each other in laminated arrangement on the band with the adhesive surface of the strips outermost and in end to end overlapping relation to successively remove outermost laminations while the remaining laminations remain united.

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