April 15, 1952 H. STACHOWIAK 2,592,969

ROLLER FOR REMOVING LINT

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Fig. 1.

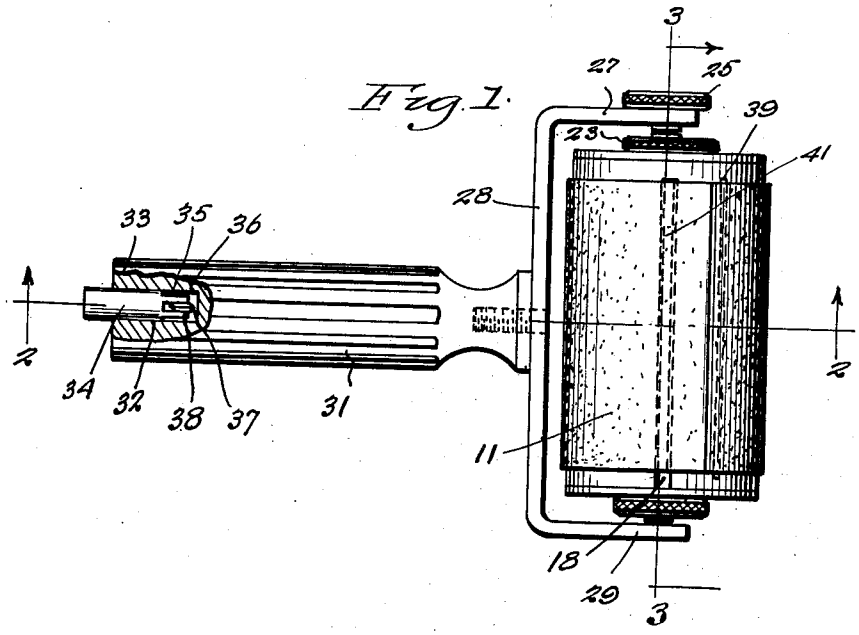


Fig. 2.

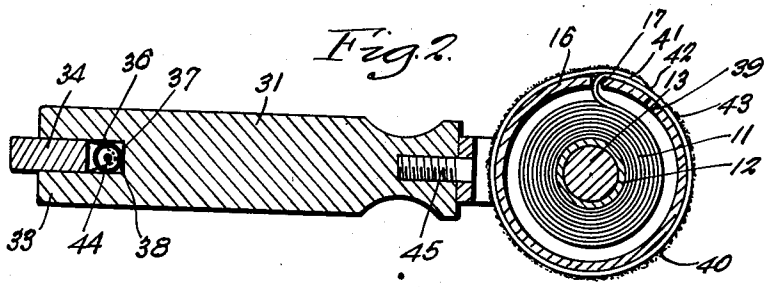
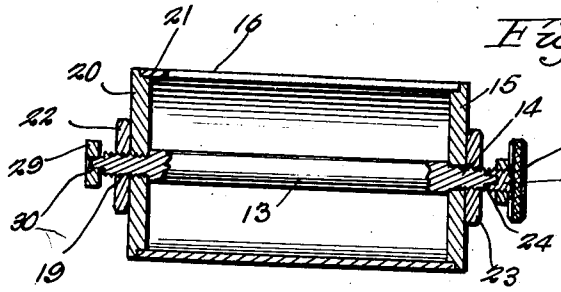


Fig. 3.



Inventor
HARRIET STACHOWIAK

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

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ROLLER FOR REMOVING LINT

Harriet Stachowiak, Los Angeles, Calif.

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3 Claims. (Cl. 15—104)

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The invention as described herein, and illustrated in the accompanying drawings, consists of a quick cleaner, an object of which is to provide an adhesive covered roller for passing over any goods or article from which it is desired to remove lint or other debris.

Another object of this invention is to provide a cylinder within which is mounted a roll of adhesive tape, the cylinder having a slot through which the tape is adapted to be drawn and wrapped around the cylinder.

Another object of this invention is to provide a cylinder roller to which a layer of adhesive may be attached and self contained means whereby the tape may be cut to remove same from the cylinder when of no further use.

Other features and advantages will become more readily apparent from the following description and the accompanying illustrative drawings in which:

Figure 1 is a plan view of the device partly broken away,

Figure 2 is a longitudinal sectional view thereof on line 2—2 of Figure 1, and

Figure 3 is a sectional view on line 3—3 of Figure 1.

While one embodiment of the invention is illustrated in the above referred to drawings, it is to be understood that they are merely for the purpose of illustration and that various changes in construction may be resorted to in the course of manufacture in order that the invention may be utilized to the best advantage according to circumstances which may arise, without in any way departing from the spirit and intention of the device, which is to be limited only in accordance with the appended claims. And while there is stated the primary field of utility of the invention it remains obvious that it may be employed in any other capacity wherein it may be found applicable.

In the accompanying drawings, and in the following specification, the same reference characters are used to designate the same parts and elements throughout and in which 10 refers to the invention in its entirety and 11 indicates a roll of adhesive tape wound upon a spool 12 removably mounted upon a shaft 13 having a reduced end 14 screwed into the end wall 15 of a cylinder 16 and projecting there-beyond. The cylinder is provided with a longitudinal slot 17 through which the tape 11 may be drawn, said slot extending entirely to one end 18 of the cylinder in order that the tape may be fed therethrough as the roll is placed upon the shaft 13.

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The reduced end 19 of the said shaft is threaded to receive closure cap 20 having an annular shoulder portion 21 adapted to seat into the cylinder, said cap being held in place by a knurled nut 22. The end 14 of the shaft is also screw-threaded to receive the nut 23, and is again reduced at 24 to receive the nut 25 upon the shank 26, on which is mounted the terminal of arm 27 of the U-shaped yoke 28 whose other arm 29, is mounted upon the reduced terminal 30 of the shaft end 19. A handle 31 is attached to the center of the yoke 28, and seated in a bore 32 in the end 33 of which handle is a pin 34. The bifurcated inner end 35 of said handle supports a disk cutter 36 whose cutting edge 37 projects sufficiently beyond the end 38 of the pin 34 for cutting a used portion of the tape 11 from the roller. A slot 39 is provided in the cylinder 16 adjacent the slot 17, whereby when the portion 40 of the tape surrounding the cylinder has been used to exhaustion, said portion may be cut from the cylinder and another length withdrawn through the slot 17, and carried around the cylinder and its free end 41 overlapping the portion 42 thereof and secured by the adhesive on the outer surface 43 of the tape. The cutter 36 is supported by a pin 44 projected through the bifurcations of the member 34, and the handle 31 is attached to said yoke 28 by a screw 45.

From the foregoing it will be seen that the device described may be rolled very rapidly over any fabric or surface from which lint or other small debris is to be removed, which will be picked up very rapidly by the adhesive and thus the material may be very quickly and thoroughly cleaned.

From the foregoing specification it will become apparent that the invention disclosed will adequately accomplish the functions for which it has been designed and in an economical manner and that its simplicity, accuracy and ease of operation are such as to provide a relatively inexpensive device considering what it will accomplish and that it will find an important place in the art to which it appertains when once placed on the market.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawings. Therefore, a more lengthy description is regarded as unnecessary.

Changes in shape, size and rearrangement of details and parts such as come within the pur-

view of the invention claimed may be resorted to, in actual practice, if desired.

Having now described the invention that which is claimed to be new and desired to be procured by Letters Patent is:

1. As a new article of manufacture, an adhesive lint-removing device comprising a hollow casing having an outer cylindrical surface, a roll of adhesive tape journalled within said casing, said casing having a slot located in said cylindrical surface, said tape extending through said slot and extending around the exterior of the cylindrical surface of the casing with the adhesive side of the tape outermost, said tape having an end portion overlapping said slot and overlapping a portion of the adhesive tape thereby constituting a continuous adhesive covering for said casing, a handle, and the casing being journalled on said handle for facilitating the rolling of the adhesive tape-covered casing over the surface of material to pick up lint and light particles from the surface of said material.

2. As a new article of manufacture, an adhesive lint-removing device comprising a hollow casing having an outer cylindrical surface, a roll of adhesive tape journalled within said casing, said casing having a slot located in said cylindrical surface, said tape extending through said slot and extending around the exterior of the outer cylindrical surface of the casing with the adhesive side of the tape outermost and with the free end portion of said tape secured adjacent said slot, a handle, and the casing being journalled on said handle for facilitating the rolling of the adhesive tape-covered casing over the surface of material to pick up lint and light particles from the surface of said material.

3. As a new article of manufacture, an adhesive lint-removing device comprising a hollow casing having an outer cylindrical surface, a roll of adhesive tape journalled within said casing, said casing having a slot located in said cylindrical surface whereby said tape can be extended through said slot and extended around the exterior of the cylindrical surface of the casing with the adhesive side of the tape outermost to form a continuous adhesive covering for said casing, a handle, and the casing being journalled on said handle for facilitating the rolling of the surface of material to pick up lint and light particles from the surface of said material.

HARRIET STACHOWIAK.

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The following references are of record in the file of this patent:

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