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2,203,728

POLISHER

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Fig. 1

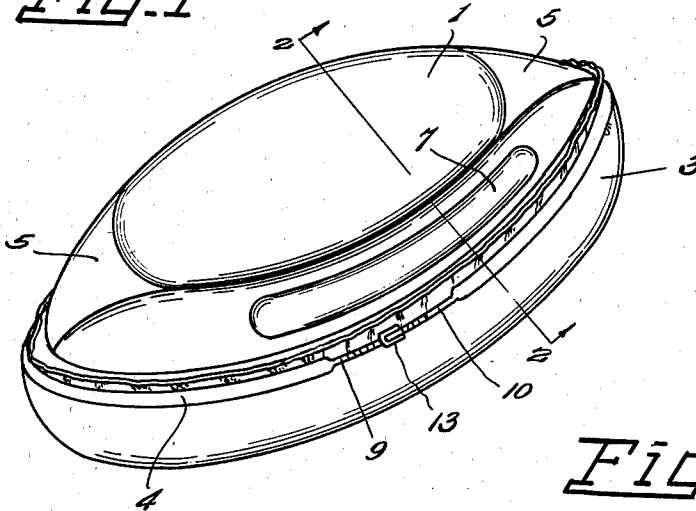


Fig. 3

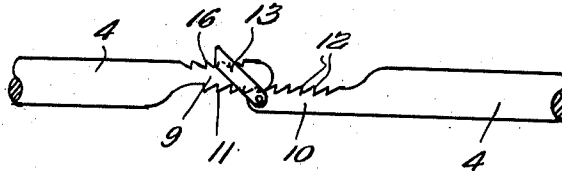


Fig. 2

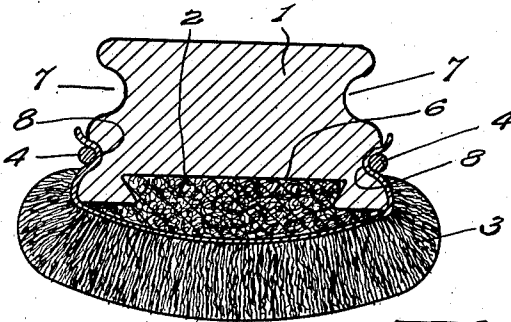
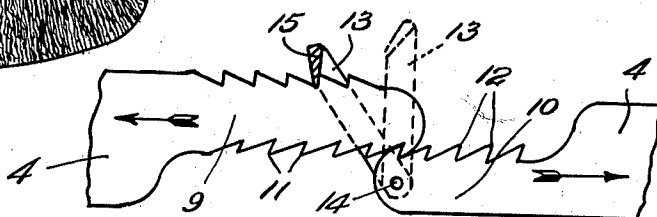


Fig. 4



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POLISHER

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1 Claim. (Cl. 15—231)

This invention relates to a polisher, and more particularly to a polisher of the type used when hand polishing the surface of an automobile or other article to which wax or the like has been applied.

One object of the invention is to provide a polisher wherein a piece of sheep skin or the like is detachably secured to a body constituting a hand hold, a pad being provided between the sheep skin covering and the under face of the body to form a soft backing for the covering and thus permit the waxed surface to be easily polished without danger of marring the surface.

Another object of the invention is to so form the body or hand hold that its ends will fit into corners and thus permit the entire surface to be easily polished.

Another object of the invention is to so form the under face of the body as to define a pocket into which a portion of the padding fits, thus firmly holding the padding in place and preventing it from slipping out of a proper position during use of the polisher.

Another object of the invention is to so form side portions of the hand hold that marginal portions of the covering may be engaged therein and firmly secured by fastener means consisting of a strand extending about the hand hold and having its ends of an improved construction which will permit it to be tightly secured in binding relation to the covering but easily detached when renewal of the covering is necessary.

Another object of the invention is to provide a hand polisher which is of simple construction and very easy to use.

The invention is illustrated in the accompanying drawing, wherein

Figure 1 is a perspective view of the improved polisher.

Figure 2 is a sectional view taken transversely through the polisher along the line 2—2 of Figure 1.

Figure 3 is a view in elevation of end portions of the securing band for the covering.

Figure 4 is an enlarged view of Figure 3 and indicating by dotted lines the manner in which the latch for the band is operated.

This improved polisher is of the hand operated type and consists, briefly, of a body or hand hold 1, a pad 2, a covering 3 of sheep skin, and a band 4 which extends above the body in engagement with marginal portions of the covering 3 and firmly but detachably binds the covering in place.

The body 1 is formed of wood or any other desired material and is of such width that it

may be easily grasped in a person's hand. Referring to Figure 1 it will be seen that the body tapers towards its ends, as shown at 5, thus providing a polisher of such shape that ends thereof may be engaged in corner portions of a surface to be polished and all portions of the surface easily polished after wax or any other polishing agent has been applied to the surface. The under face or bottom of the body is formed with an under cut pocket 6 to receive the pad 2 and hold the pad in place, and upon referring to Figure 2 it will be seen that marginal portions of the pad cover the portions of the under face of the body between the pocket and margins of the body and are gradually reduced in thickness so that the pad has an under surface which is rounded transversely so that the polisher may be rocked transversely during use and side portions of the sheep skin covering easily engaged in trough-like channels which are to be polished. Grooves 7 are formed at opposite sides of the hand hold or body above a channel 8 which extends entirely about the body, the grooves 7 being provided in order that the upper portion of the body may be firmly grasped in a person's hand and used without being liable to slip from his grasp.

The band 4 by means of which the covering 3 is firmly but detachably secured consists of a strand of resilient metal which is bent to substantially conform to the outline of the body and fit easily within the channel 8. Ends of the wire strand are reduced to form shanks 9 and 10 which are overlapped, as shown clearly in Figures 3 and 4 and formed with serrations providing teeth 11 and 12 upon their confronting faces which are flat. The teeth extend in opposite directions and when teeth of the shank 9 are engaged with teeth of the shank 10, the resiliency of the band will cause binding engagement of the teeth and hold the band in a contracted condition about the marginal portions of the covering and firmly hold the marginal portions of the covering in the groove 8. Therefore, the covering will be held in a stretched condition and the surface may be very effectively polished. In order to eliminate danger of the teeth 11 and 12 slipping out of gripping engagement with each other, there has been provided a latch 13 consisting of a metal loop which is pivoted to the outer end of the shank 10 by a rivet or pin 14 and has its bridge portion flattened and tapered transversely to form a tooth 15 which is adapted to engage the teeth 16 formed by serrating the upper edge portion of the shank 9. When the

shanks are moved towards each other with the tooth of the latch resting upon the shank 9, the latch will ride along this shank and the band may thus be tightened about the body, and as the tooth of the bill has engagement with the teeth 16 of the shank 9, the band will be held in its constricted or binding position when constricting force is released and the teeth 11 and 12 held in gripping engagement with each other. Therefore, the band will be firmly held in its constricted condition and the covering firmly held in place. When it is desired to release the covering so that it may be replaced by a new covering, or the covering washed and then replaced, pressure in a constricting direction is exerted and the latch swung upwardly to the position indicated by dotted lines in Figure 4. The shanks may then be shifted away from each other to move the teeth 11 and 12 out of interlocking engagement and the resiliency of the metal from which the band is formed will cause the band to expand and its shanks move longitudinally away from each other in the direction indicated by the arrows in Figure 4. Therefore, the band will move out of binding engagement with the marginal portions of the covering and the covering easily removed.

Having thus described the invention, what is claimed as new is:

30 A polisher comprising a body of dimensions adapting it to be grasped in a person's hand, said body having longitudinally curved side edge faces

covering and intersecting at ends of the body and formed with a groove extending entirely about the body in spaced relation to upper and lower edges of the side faces, the under face of the body being formed with a pocket spaced 5 from its margins and having undercut side walls, the portion of the under face bordering the pocket being flat and unobstructed, a pad filling said pocket and having feathered marginal portions extending across the marginal portions of the 10 under face of the body in flat contacting engagement therewith, said pad having its under face transversely arcuate for its full width and terminating at edges of the under face of the body, a covering sheet of polishing material disposed 15 in smooth contacting engagement with the under face of said pad and having its marginal portions extending upwardly against side faces of the body and engaged in said groove, a clamping band of resilient metal extending about the 20 grooved portion of said body and the marginal portions of said covering sheet with its end portions overlapped and formed with interengaging teeth, and a yoke carried by one end portion of said band and engaging about the other end portion of the band to firmly hold the teeth inter- 25 engaged with each other and releasably maintain the band constricted about the body for binding the marginal portions of the covering sheet in the groove and holding the sheet tightly stretched across the pad. 30

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