Oct. 23, 1934. W. FINKELSTEIN 1,977,674

HANDLE

Filed May 5, 1934

Fig. 1.

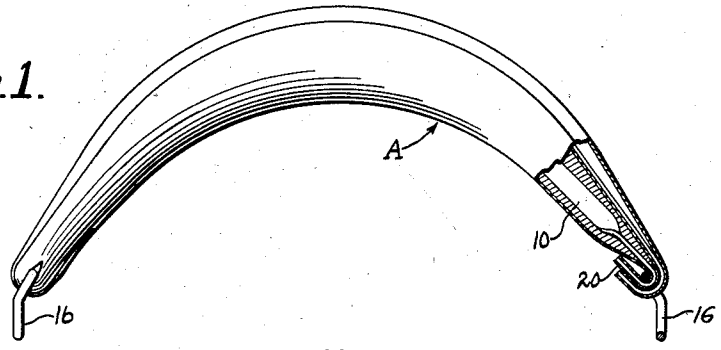


Fig. 2.

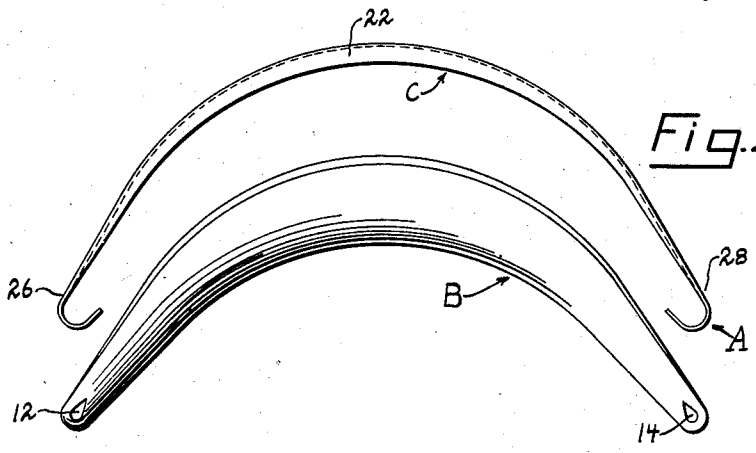


Fig. 3.

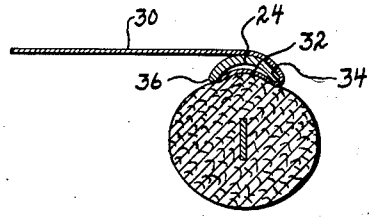


Fig. 4.

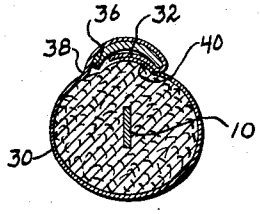
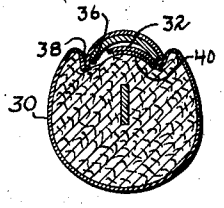


Fig. 5.



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Patented Oct. 23, 1934 1,977,674

UNITED STATES PATENT OFFICE

1,977,674

HANDLE

William Finkelstein, Philadelphia, Pa.

Application May 5, 1934, Serial No. 724,033

3 Claims. (Cl. 190—57)

My invention relates to handles, and particularly relates to handles used on brief cases, valises and traveling-bags.

In my patent application Serial No. 593,286, filed February 16, 1932, I have disclosed a handle having a covered reenforcing member placed upon a covered core. My present invention is an embodiment of the invention disclosed in my above mentioned patent application together with an improvement thereto.

It is an object of my invention to use a single cover for substantially the entire handle.

A further object of my invention is to utilize the reenforcing member to retain the cover's longitudinal edges in order to prevent the loosening of the cover.

Another object of my invention is to eliminate the stitching of the cover and to hide the raw edges of the cover.

Other objects of my invention are to provide an improved device of the character described of simple and economical construction, that possesses a maximum amount of serviceability and of strength.

With the above and related objects in view, my invention consists in the details of construction and combination of parts, that will be fully described when the description is read in connection with the accompanying drawing in which:

Figure 1 is a perspective view of a handle embodying my invention.

Figure 2 is a perspective view of the handle with the reenforcing bar removed therefrom.

Figure 3 is a sectional view showing the cover in its early stage of being wrapped about the core.

Figure 4 is a sectional view of the cover completely wrapped about the core and the reenforcing bar.

Figure 5 is a sectional view of the reenforcing bar compressed into the top of the core and is a cross sectional view of Figure 1.

Referring now to the drawing I show a plain type of handle, generally designated as A, that is suitably arched to sustain the strain imposed upon it by virtue of the load carried. The handle is comprised of a core member, generally designated as B, and a reenforcing member, generally designated as C.

The core member B is comprised of a link 10 having horizontally extending openings or eyelets 12 and 14 at each end. Each eyelet is adapted to retain a bag attaching member 16, the latter in turn is adapted to be connected to the bag, or the valise, in any suitable manner.

A filler member, or a wickle comprising a triangular-shaped piece of paper, or other suitable flexible material, is placed about the link. The paper is wound so that the wickle will be strengthened, enlarged, and shaped, between its end portions, to conform conveniently to the hand. The wickle or the filler member, functioning as a cushion, is thickest at the middle and tapers gradually toward each of its ends. A short separate leather covering 20 may be placed at each end of the core, in order to cover the ends of the core in the vicinity of the eyelets.

The bar C, for reenforcing the connecting link 10, is preferably constructed of metal but it may be constructed of leather. The bar has a body portion 22 formed like an arch along its longitudinal axis and a concave lower face 24 which lies adjacent the convex upper portion of the core B. The reenforcing bar C is widest at its longitudinal center and gradually decreases in width from the center towards each of its ends 26, 28. The core, also, tapers in width from its longitudinal center toward each end. Each of the ends 26 and 28 of the bar C are curved to hook or clinch their respective ends to the core B. Although the ends 26 and 28 of the reenforcing bar are formed as hooks, they may be dispensed with by using rivets to hold the ends of the reenforcing bar securely in position with respect to the core.

The reenforcing bar C extends across approximately half the width of the core and is clinched thereto either by hand or by a special machine. After the hereinbefore described operation is completed the handle is ready to be encased within an outside cover 30.

The cover 30, of suitable finished flexible material, such as leather, "Fabrikoid", morocco, pigskin, etc. is shaped so that when it is fitted about the core and the reenforcing bar, as hereinafter described in detail, the handle will be pleasing in appearance and it, also, will be comfortable when grasped.

A longitudinal edge 32 of the cover 30 is inserted between the top of the core and the lower face 24 of the reenforcing bar C. The cover is pulled over the edge 34 and the upper face of the reenforcing bar.

The cover is pulled taut adjacent an edge 36 of the reenforcing bar, and an instrument having tapered side edges is wielded by an operator who pushes the cover at the portion designated 38 adjacent the edge 36 of the reenforcing bar. Thus, the cover fitting the upper face and the edges of the reenforcing bar is taut. The cover

is pulled taut from the edge 36, about the exposed periphery of the core, and when the edge 34 of the reenforcing bar is reached, a second longitudinal edge 40 of the cover is pushed under the reenforcing bar, adjacent the edge 34. The longitudinal edges 32, 40 of the cover are, therefore, positioned in overlapping relationship between the top of the core and the lower face 24 of the reenforcing bar.

After the cover 30 is wound about the core B and the reenforcing bar C, as shown in Fig. 4, the unit is placed into a compressing machine, for the purpose of forcing the reenforcing bar and the cover into a position as shown in Fig. 5. The bounding surface of the completed handle, as shown in Fig. 5, is substantially regular, otherwise, if the reenforcing bar was permitted to extend then protuberances on the handle would be disturbing to the user.

After the cover has been fitted and the handle dried, the handle may be unduly bent without the danger of the reenforcing bar failing to return, when re-bent, to its original shape. The cover, also, will not become loose after the handle has been dried.

If desired the overlapping edges of the cover may be glued together, but I have not found it necessary to use glue since the cover does not become loose.

My invention is also applicable to a post type of handle. A post type of handle is known in the "trade" to be a handle substantially the shape of an inverted U, wherein the ends are substantially perpendicular to the center portion.

Although I have not specifically described a groove extending longitudinally from one end of my handle to the other end, as I have described in my copending patent application Serial No. 593,286, it is to be understood that a longitudinally extending groove may be placed on the uppermost portion of the core and my present invention embodied together with such a core.

It is, also, to be observed that the hereinbefore described invention eliminates all need for stitching the longitudinally extending edges of the cover together which is a prime consideration of my present invention.

Although the invention has been described in considerable detail, such description is intended as illustrative rather than limiting, as the invention may be variously embodied, and the scope of the invention is to be determined as claimed.

I claim:

1. In a handle, a core comprising a link surrounding by a filler member, a reenforcing member on the longitudinal upper portion of the core, a cover member having its longitudinal edges between the reenforcing member and the core and encircling the core and the reenforcing member, and the longitudinal edges of the cover emerging from beneath the reenforcing member at the same longitudinal edge of the reenforcing member.

2. In a handle, a core comprising a link surrounded by a filler member, a reenforcing member on the longitudinal upper portion of the core, a unitary cover encasing both the core and the link, and the longitudinal edges of the cover securely held between the lower surface of the reenforcing member and the upper surface of the core.

3. In a handle, a core including a link surrounded by a filler member, a reenforcing member on the longitudinal upper surface of the core, a cover having its longitudinal edges between the reenforcing member and the core, said cover encasing the core and the reenforcing member, the longitudinal edges of the cover positioned adjacent one of the longitudinal edges of the reenforcing member, and a portion of said cover in engagement with the reenforcing member at its other longitudinal end.

WILLIAM FINKELSTEIN.