Sept. 2, 1930. B. H. SHWAYDER 1,774,949

HANDLE FOR TRAVELING BAGS AND THE LIKE

Filed April 23, 1928

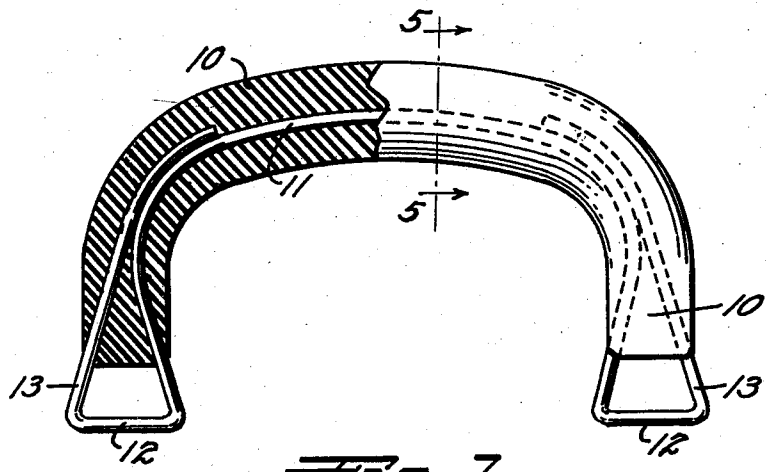


Fig 1

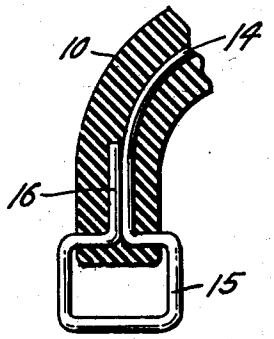


Fig 2

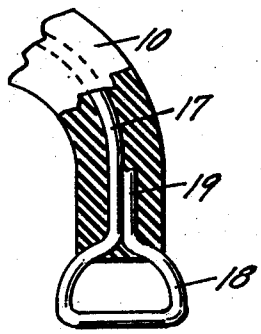


Fig 3

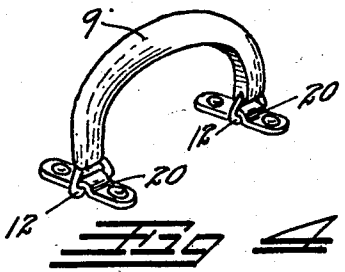


Fig 4

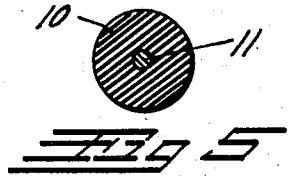


Fig 5

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Patented Sept. 2, 1930 1,774,949

UNITED STATES PATENT OFFICE

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HANDLE FOR TRAVELING BAGS AND THE LIKE

Application filed April 23, 1928. Serial No. 272,225.

This invention relates to a handle to be used on suitcases, traveling bags, and the like and has for its principal object the construction of a handle which will be practically indestructible, and can be cheaply and efficiently manufactured.

Another object of the invention is to eliminate all the sewing and padding necessary on the present handles and yet provide a handle which will simulate in appearance the present style of sewn and padded handles.

A further object of the invention is to provide a handle which will not be affected by moisture, oils, perspiration, etc. and which can not rip or become misshapen from use.

A still further object of the invention is to eliminate the expense and necessity for placing links or D's in the handle.

Other objects and advantages reside in the detail construction of the invention, which is designed for simplicity, economy, and efficiency. These will become more apparent from the following description.

In the following detailed description of the invention reference is had to the accompanying drawing which forms a part hereof. Like numerals refer to like parts in all views of the drawing and throughout the description.

In the drawing:

Fig. 1 is a side elevation, partly in section, illustrating one form of my improved handle.

Figs. 2 and 3 are sectional detail views illustrating alternate forms of the handle.

Fig. 4 is a perspective view illustrating the method of attachment of the handle to an article.

Fig. 5 is a cross section taken on the line 5—5, Fig. 1.

My improved handle is formed of vulcanized rubber and is designed as an improvement over the handle illustrated in my brother's prior Patent No. 1,667,567, issued April 24, 1928.

In the prior patent a metallic wire or band was used to strengthen the handle. The band terminated in a loop for the reception of a link or D for attaching it to the handle strap of the suitcase.

In this invention I have incorporated the link or D with the band so as to eliminate two extra parts and the corresponding manufacturing cost.

The handle is designated in its entirety by the numeral 9 and is formed by vulcanizing a solid rubber cover 10, about a core wire 11, in the form illustrated in Fig. 1. The core wire projects beyond each extremity of the handle and is bent to form a flattened portion 12, to be received in the handle strap of the article. The extremities of the core wire are bent back at 13, so as to lie along the main portion thereof, and be imbedded in the rubber as illustrated.

In manufacturing, the core wires are bent to the desired form on a wire forming machine. They are then laid into molds packed with raw rubber and the mold is clamped into position about the core wire. The molds are then placed in suitable vulcanizing apparatus and the rubber cover 10, is vulcanized to the desired degree of cure.

In Fig. 2, I have illustrated a slightly differing form for the extremity of the core wire. In this form the core wire, illustrated at 14, is shaped at its extremities, to form a rectangle 15. This rectangle 15, projects from the inner and outer faces of the handle similarly to the present square links which are loosely placed in handles of this character. The extremity of the square portion 15, is bent back so as to become imbedded in the rubber of the handle as illustrated at 16.

In Fig. 3, I have illustrated still another shape for the extremity of the core wire, simulating the present D's used in traveling bag construction. In this form the core wire illustrated at 17, is shaped to form a D loop 18, to be received in the handle strap, the extremity of the D loop being imbedded in the rubber as shown at 19.

The method of attaching the handle to the article is illustrated in Fig. 4, and makes use of any of the usual handle straps 20, which are passed through the looped extremities of the core wire and secured in any desired manner to the article. The loops on the extremities of the core wire are formed to lie in

the same plane with their handle strap portions in alignment.

A handle formed according to the present invention is practically indestructible. The looped extremities of the core wire cannot become opened since they are firmly imbedded in the vulcanized rubber casing, 10. The wire can not be pulled from the rubber casing since it passes entirely therethrough and is attached to the article to be carried at both of its extremities. The handle, therefore, has the entire strength of the core wire itself to depend on.

In the present construction, handles are secured to the handle straps by means of links or D's, the extremities of which are simply bent together and unattached. An unusual strain on the handle opens these extremities and allows the handles to become loosened from the article. This difficulty has been entirely obviated by the present construction.

Any desired design can be molded into the rubber casing at the time of vulcanizing. It can be made to copy the seams and threads of a padded, sewn handle if desired.

The rubber cannot be injured by moisture and, owing to its natural resiliency, will retain its shape indefinitely.

While a specific form of the improvement has been described and illustrated herein, it is desired to be understood that the same may be varied, within the scope of the appended claims, without departing from the spirit of the invention.

Having thus described the invention, what I claim and desire secured by Letters Patent is:—

1. A handle for suitcases and the like comprising a unitary rubber casing; a core wire extending throughout said casing and projecting beyond the extremities thereof; bent portions on the extremities of said core wire so as to form an angularly turned straight portion at each extremity, said straight portions being substantially in alignment with each other; and turned-back extremities on said straight portions returning into said casing.

2. A handle for suitcases and the like comprising: a U-shaped handle member; a wire extending through said handle member and projecting beyond the extremities thereof; and axle portions formed on said projecting beyond portions of said wire, said axle members comprising relatively straight portions of said wire formed in alignment with each other so that said handle portion can fold to either side by pivoting about said axle portions.

3. A handle for suitcases and the like comprising: handle straps adapted to be secured to said suitcase each of said strips having an axle channel in alignment with a similar channel in the other of said straps; a handle member; a loop rigidly projecting from each extremity of said handle member; and axle members formed on said loops and comprising: straight portions adapted to lie in the axle channels of said handle straps so as to allow said handle to be folded to either side by rotation of said axle portions in said axle channels.

In testimony whereof, I affix my signature.

BENJAMIN H. SHWAYDER.