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H. A. PERRY

2,162,117

SCRAPER

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Fig. 1

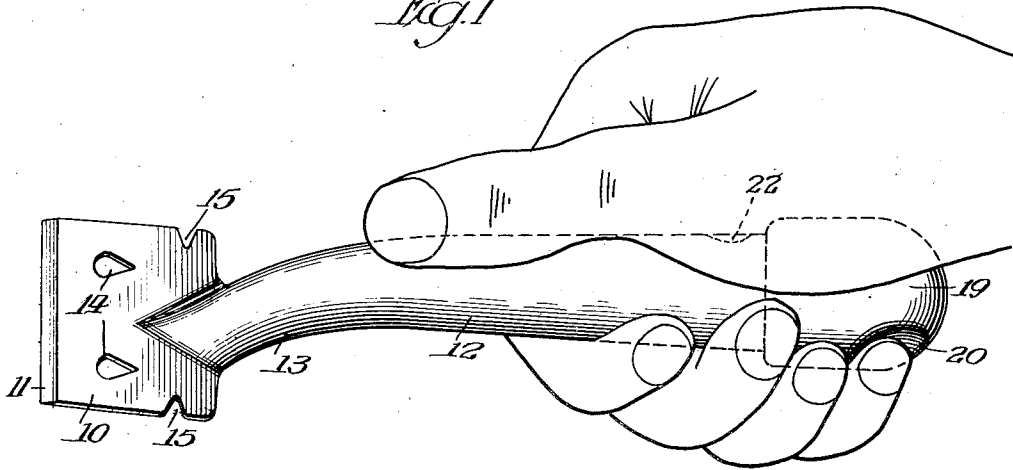


Fig. 2

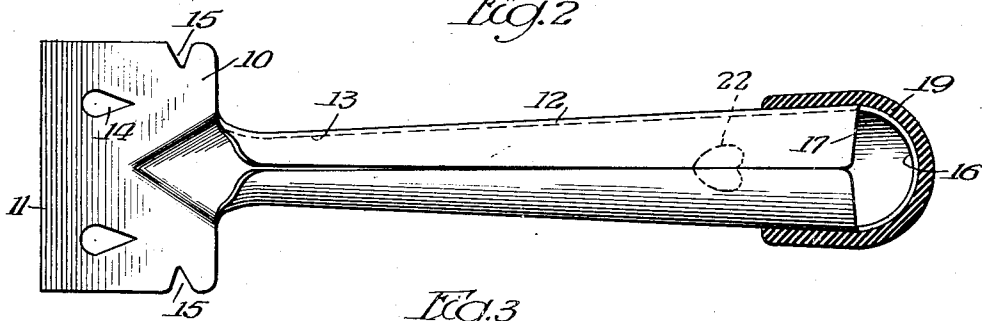


Fig. 3

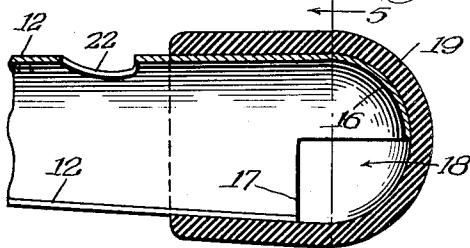


Fig. 5

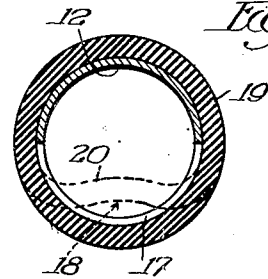
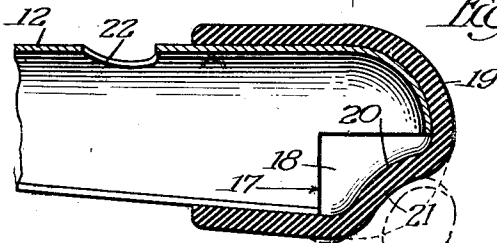


Fig. 4



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UNITED STATES PATENT OFFICE

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SCRAPER

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2 Claims. (Cl. 145—61)

This invention relates in general to scrapers, particularly adapted though not necessarily limited in use as a wall scraper generally used by paper hangers, painters, and the like.

Heretofore devices of this character have been constructed in such a manner that when in use, and when the same has been operated for any considerable length of time, the hand of the operator becomes sore and sometimes otherwise injured by reason of the constant pressure of the operating hand upon the end of the handle of the device, and sometimes the fingers become injured by contact with an edge of the adjacent portion of the handle.

It is one of the objects of the present invention to provide an improved cap adapted to be readily applied or attached to the end of the handle to form a cushion and against which cushion the hand pressure is exerted, a portion of the lateral face of the handle being removed and over which removed portion the cap extends.

The recessed portion of the handle will form a recess or cavity into which a portion of the cap will be forced, causing the cap to yield under pressure of the hand against the cap. The extremity of the handle and the portion of the cap are maintained in contacting relation so that when pressure is exerted by the hand, such pressure will be manifested upon the end of the handle.

At the same time the portion of the cap which is adjacent the cutaway portion of the handle will be permitted to yield by reason of such cutaway portion, and the yielding portion of the cap will form a recess or seat in which the "little finger" of the operator will rest.

To the attainment of these ends and the accomplishment of other new and useful objects as will appear, the invention consists in the features of novelty in substantially the construction, combination and arrangement of the several parts hereinafter more fully described and claimed and shown in the accompanying drawing illustrating this invention, and in which

Figure 1 is a perspective view of an implement of this character constructed in accordance with the principles of this invention.

Figure 2 is a view taken from the rear of the implement with the cap or cushion in section.

Figure 3 is a longitudinal sectional view of the free end of the handle having the cap or cushion applied thereto, and on an enlarged scale.

Figure 4 is a view similar to Figure 3 showing the position a portion of the cap will assume

when pressure is exerted upon the end of the cap and against the extremity of the handle.

Figure 5 is a sectional view taken on line 5—5 Figure 3.

The invention is shown in connection with a wall scraper and the scraper consists essentially of a blade 10 having a sharpened or reduced edge 11 to form a cutting surface. The numeral 12 designates a handle which is preferably tapered and is tubular, the handle being offset as at 13, with respect to the blade, both the blade and the handle being formed of a single piece of sheet metal, such as metal bent or formed into shape.

The blade 10 may be of any desired length and width and if desired apertures 14 may be provided therethrough and suitably located, and which apertures may be placed over a nail head so that the implement may be employed to withdraw the nail from the surface into which it has been driven.

Notches 15 may, if desired, be provided in one or more edges of the blade and these notches will also serve the purpose of extracting nails.

The free open end of the handle 12 is partially closed by means of an end wall 16 that extends only partially over the end and the extremity of the wall is spaced from the extremity 17 of the lower part of the handle so as to form a recess or cutaway portion 18. The wall 16 is preferably curved so that in use, when the implement is grasped in the hand, as shown in Figure 1, pressure from the hand will be exerted upon the wall 16.

The numeral 19 designates a cap constructed of any suitable resilient material, such for instance as rubber, and which may be of any desired configuration and is of a size to snugly fit over the free end of the handle 12. When in position, the cap will grip the end of the handle and a portion of the bottom of the cap will rest against the wall 16 while another portion of the cap will extend across the recess 18.

When the cap is in position and when the tool is grasped in the manner as shown in Figure 1, with the palm of the hand contacting the cap, any pressure exerted upon the cap will be manifested upon the wall 16. By reason of the resiliency of the cap 19 such pressure of the hand operates upon the cap to deflect a portion 20 thereof into the recess 18, thereby forming a seat or recess for receiving the little finger of the operating hand.

This will not only protect the palm of the hand but also the fingers of the operator.

When pressure upon the cap 19 is released,

and by reason of the inherent resiliency of the cap, it will assume its normal position.

If desired, an opening 22 may be provided in the handle by means of which the implement 5 may be suspended from a suitable support inserted therein.

While the preferred form of the invention has been herein shown and described it is to be understood that various changes may be made in the details of construction and in the combination and arrangement of the several parts, within the scope of the claims, without departing from the spirit of this invention.

What is claimed as new is:—

1. An implement of the character described 15 embodying a handle, a portion of the lateral face of the handle adjacent the free end thereof being removed to form a recess, and a yieldable cap telescoped upon the end of the handle, a portion of the cap extending across such 20

removed portion and adapted to be deflected into the recess by pressure exerted upon the end of the cap and against the adjacent extremity of said handle.

2. An implement of the character described 5 embodying a tubular handle provided with a rounded end wall extending only partially across the extremity of the handle to provide a hand pressure abutment, the free edge of said wall terminating short of and spaced from the ex- 10 tremity of another portion of the wall of said handle to provide a recess of substantial size opening partially through said extremity and partially through the lateral wall of said handle, and a flexible cap sleeved over said end wall 15 and said recess, a portion of said cap abutting said end wall, another portion of the cap adapted to be deflected into said recess by pressure exerted upon the cap.

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