Sept. 24, 1929. C. P. SHINN, JR 1,729,279

BLADE HOLDER

Filed Sept. 21, 1927

Fig. 1.

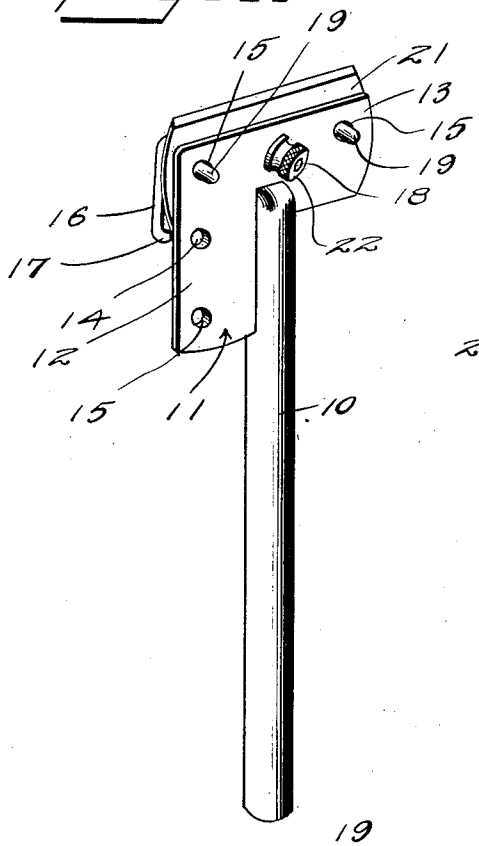


Fig. 2.

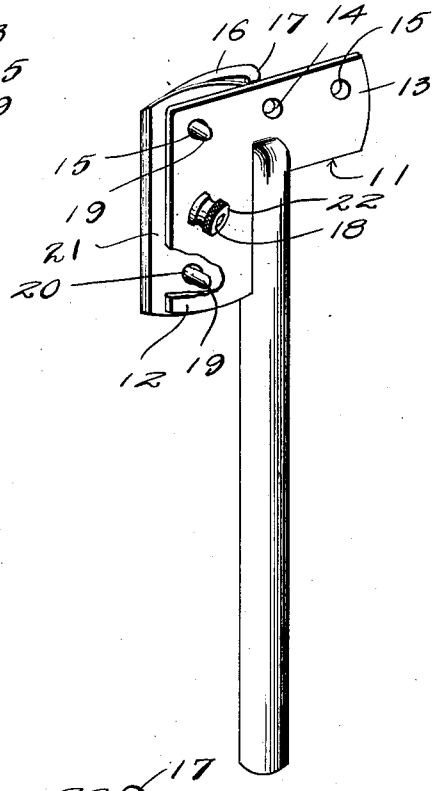


Fig. 3.

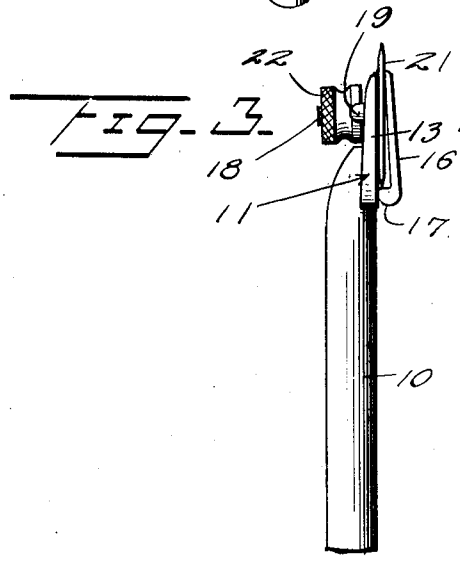
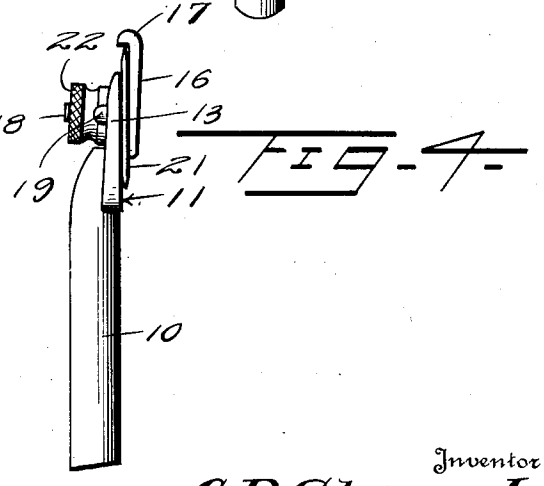


Fig. 4.



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UNITED STATES PATENT OFFICE

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BLADE HOLDER

Application filed September 21, 1927. Serial No. 221,042.

This invention relates to new and useful improvements in scrapers, and particularly to scrapers for removing paint, putty, and the like.

One object of the invention is to provide a device of this character which is simple in construction, is formed of few parts, and which is easy and effective in its operation.

Another object is to provide a device of this character in which the ordinary discarded safety razor blade may be used.

A further object is to provide a device of this character wherein a razor blade may be properly clamped, and the device used to remove paint or putty from windows, tile floors, and the like, and wherein the blade may be differently positioned on the holder so that it may serve as a cutter for twine, for use by bundle wrappers, or for cutting the threads of dress seams.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Fig. 1 is a perspective view of the device with the blade positioned for use as a scraper,

Fig. 2 is a similar view with the blade positioned for use as a cutter,

Fig. 3 is a side elevation of the device, and

Fig. 4 is a fragmentary side elevation of the device showing the clamping plate in position as a guard to protect the cutting edge of the blade.

Referring particularly to the accompanying drawing, there is shown a blade holder which is formed from a single metal blank, and includes the handle shank 10, and the blade support 11, the former being preferably rolled to provide a comfortable grip for the hand of the user. The blade support is preferably flat, and is of approximate L-shape, including a wing 12, which extends longitudinally of one end portion of the handle shank, while the other wing 13 extends transversely, at right angles to said shank end. Formed centrally in each of the portions 12 and 13 is an opening 14, and at equal distances from each side of each of the said openings a similar opening 15, one of said openings 15 being arranged in the angle of the plate or support 11, for use in connection with either of the remaining pairs of openings. A guard plate 16, of dimensions approximately that of either wing of the support 11, has one of its longer edges curved, as at 17, and is disposed against the support, as shown in the drawing. This plate 16 is provided centrally with a threaded stud 18, which is received in either of the openings 14, and at each side of this stud 18 is an unthreaded stud 19, said studs 19 being arranged to enter the openings 20 of the razor blade 21, and the openings 15 of the blade support, while the stud 18 enters the opening in the center of the blade 21. A nut 22 is engaged on the threaded stud 18, whereby to clamp the razor blade in position. It will be noted that the cutting edge of the blade projects beyond the outer edges of the support and guard, so that it may be used upon a surface to be cleaned.

When the device is to be used as a scraper, the razor blade is properly clamped on the wing 13, as shown, in Fig. 1, but when the device is adapted for other uses, such as cutting twine, ripping the seams of clothing, or the like, the blade is clamped on the wing 12. This latter is especially adapted for use by bundle wrappers or dressmakers.

When the tool is not in use, the guard plate is removed and reversed so that its curved edge overlies the cutting edge of the razor blade, thus providing for the protection of the blade, and also preventing injury to the owner, especially when the device is carried in the pocket.

It will be noted that the edge 17 of the clamping plate 16 contacts with the face of the supporting plate 11, thereby to cant the clamping plate and permit the clamping stud to more tightly press the blade against said supporting plate, along a line adjacent the cutting edge of the blade.

What is claimed is:

1. A device of the class described comprising a handle, a plate on one end of the handle, said plate having a series of openings, said series of openings being arranged to be registered with the openings of a safety razor

blade, a removable clamping plate having integral studs for passage through the openings of said blade and handle plate, and a longitudinal rib along one of the sides of the clamping plate for engagement with the handle plate whereby to cant the clamping plate into firm contact with the blade, at times, and to lie in covering relation to the cutting edge of the blade, at times.

2. A device of the class described comprising a handle having an end portion provided with an aperture for registry with an opening of a safety razor blade, and a clamping plate having a clamping stud for passage through the blade and end portion, said plate having a marginal flange for engagement with said end portion, at times whereby to produce a canting of said plate to effectively clamp the blade, and to lie in covering relation to the cutting edge of the blade, at times.

3. A device of the class described comprising a handle, a plate on one end of the handle, said plate having a series of openings transversely of the handle and a series of openings longitudinally of the handle, said series of openings being arranged to be registered with the openings of a safety razor blade, a removable clamping plate having integral studs for passage through the openings of said blade and handle plate, and a longitudinal rib along one of the sides of the clamping plate for engagement with the handle plate whereby to cant the clamping plate into firm contact with the blade, at times, and to lie in covering relation to the cutting edge of the blade, at times.

4. A device of the class described comprising a handle, a plate on one end of the handle, a clamping plate removably secured to said first-named plate and adapted to clamp an apertured blade thereupon, one of said plates having a series of openings adapted to be registered with the openings of the blade and one of said plates having studs for passage through the apertures of the blade and the openings of the other plate, and a longitudinal rib along one of the sides of the clamping plate for engagement with the handle plate whereby to cant the clamping plate into firm contact with the blade, at times, and to lie in covering relation to the cutting edge of the blade, at times.

In testimony whereof, I affix my signature.

CHARLES P. SHINN, JR.