

No. 822,928.

PATENTED JUNE 12, 1906.

J. F. DELANO.
SCRAPER.

APPLICATION FILED JAN. 5, 1905.

Fig. 1.

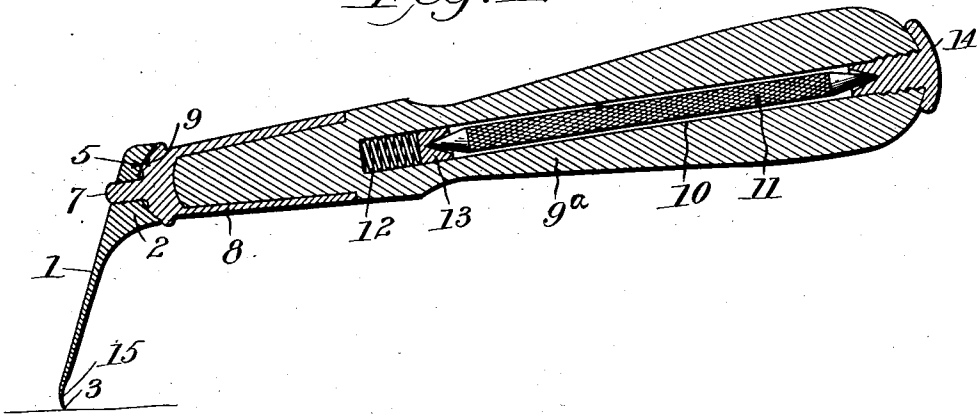


Fig. 2.

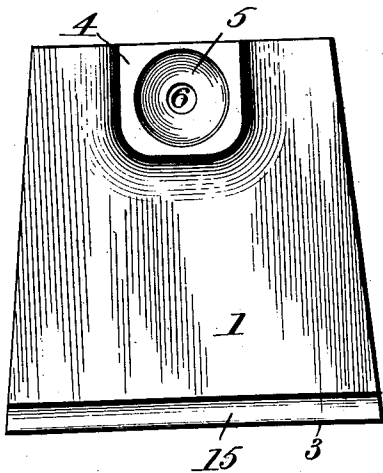
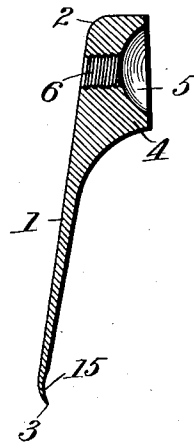


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN F. DELANO, OF NEW BEDFORD, MASSACHUSETTS.

SCRAPER.

No. 822,928.

Specification of Letters Patent.

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Application filed January 5, 1905. Serial No. 239,808.

To all whom it may concern:

Be it known that I, JOHN F. DELANO, a citizen of the United States, residing at New Bedford, in the county of Bristol and State of Massachusetts, have invented a new and useful Scraper; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to a scraper, and has for its object to provide an exceedingly simple, efficient, and durable device of this character especially adapted for use in scraping the spars of a vessel, but may be employed for other scraping purposes as well.

A further object of the invention is to provide a scraper-blade which can be readily screwed and unscrewed from the handle and which by reason of the cup-shaped recess in said blade, hereinafter described, enables said scraper-blade to be firmly held against rotation while in use.

With these and other objects in view the invention consists in the construction and novel arrangement of parts hereinafter described and shown, and particularly pointed out in the appended claim.

In the drawings, forming a part of this specification, and in which like numerals of reference designate corresponding parts, Figure 1 is a horizontal sectional view of a scraper constructed in accordance with this invention. Fig. 2 is a face view of the scraper-blade. Fig. 3 is a sectional view of the scraper-blade.

In scrapers of this general type it is desirable as a matter of convenience to arrange the blade and the handle at an obtuse angle, and this leads to difficulty in the securing of the blade in position. In the present case the blade 1 is tapered in thickness from the head 2 to the scraping edge 3, and on the inner face of the blade is an integral boss 4 of generally rectangular contour, as shown in Fig. 2, the face of the boss being at an acute angle to the general plane of the blade and at a right angle to the longitudinal axis of the handle 9^a. In the rear or inner face of the boss is formed a curved recess 5, and through said boss and the body of the blade

extends a threaded opening 6. The threaded opening is adapted to receive a screw-threaded shank 7, formed integral with a ferrule 8. The ferrule 8 is adapted to receive the handle 9^a. The ferrule 8 is provided with a shoulder 9, which is rounded upon its outer surface and adapted to snugly fit and frictionally engage the cup-shaped recess 5, as clearly shown in Fig. 1 of the drawings, by which the scraper-blade is firmly held against rotation while being used in scraping.

The handle 9^a is provided with a central bore or chamber 10, adapted to receive a file or suitable tool used for sharpening and dressing the scraper-blade 1. A coiled spring 12, having a cup-shaped receptacle 13, attached to the outer end thereof, is located within the lower end of said bore or chamber to receive the end of said tool 11, the outer end of said bore or chamber 10 being closed by a screw-plug 14, as clearly shown in Fig. 1. The screw-plug 14 is provided with a cup-shaped lower end. The cup-shaped receptacle 13 and the cup-shaped lower end of the screw-plug 14 are adapted to hold the tool 11 firmly in its place, and thereby prevent said tool from rattling or making a noise when the scraper is in use.

It will be seen that my scraper-blade is very simple, efficient, and inexpensive and that said blade can be readily screwed and unscrewed from the handle and will be held firmly against rotation.

What I claim is—

A scraper including a blade and handle member arranged at an obtuse angle with relation to each other, the blade having on its inner face a boss provided with a curved recess, there being a threaded opening extending through the boss and blade, and the handle member having a rounded shoulder fitting within the recess and a threaded shank fitting within said threaded opening in the blade.

In testimony whereof I have hereto affixed my signature in the presence of two witnesses.

JOHN F. DELANO.

Witnesses:

ROBERT A. TERRY,
I. J. DUNBAR.