June 9, 1931. J. McNEIL 1,809,718

ELECTRICALLY HEATED SCRAPER

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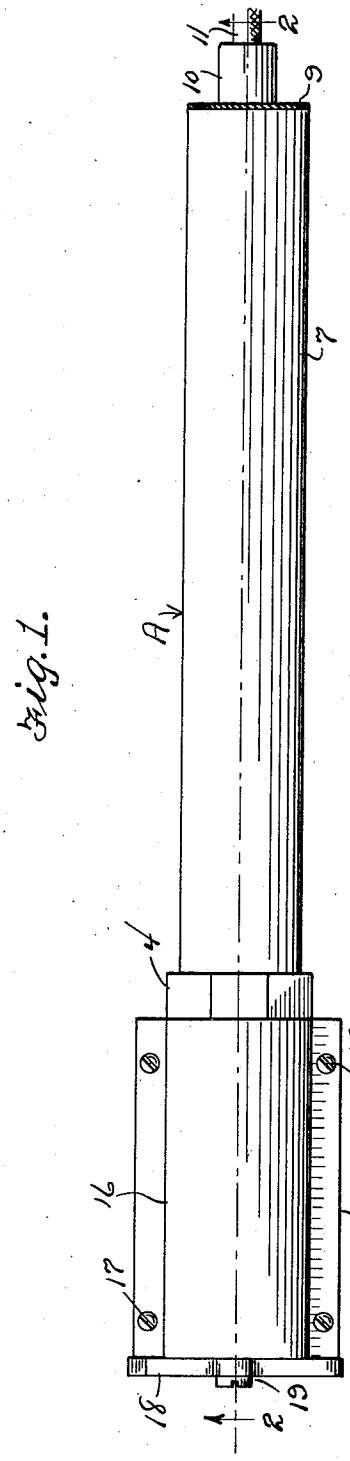


Fig. 1.

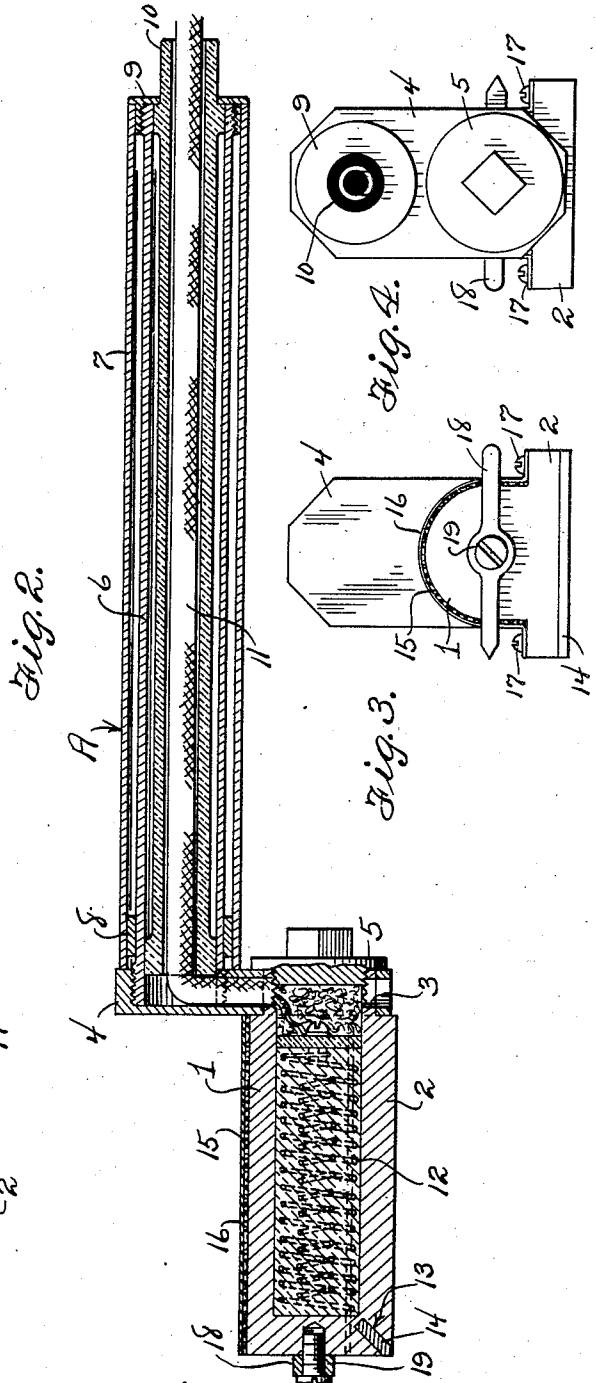


Fig. 2.

Fig. 4.

Fig. 3.

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ELECTRICALLY HEATED SCRAPER

Application filed November 9, 1929. Serial No. 406,009.

This invention relates to an electrically heated scraper for removing paint, varnish and the like from surfaces, the general object of the invention being to provide a hollow member having a flat surface for contacting the surface to be scraped, with a heating coil in the member so that said member will be heated and its flat part, when moved over a surface, will soften the paint or the like on the surface, said member having a scraper blade at one end thereof which, when the member is tilted, will scrape the softened paint from the surface.

Another object of the invention is to provide a small scraper which is adjustably connected with the end of the hollow member so that it can be moved to a position where it will be out of the way or to a position where it will scrape paint and the like from places where the main scraper cannot reach.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a top plan view of the device.

Figure 2 is a section on line 2—2 of Figure 1.

Figure 3 is a front end view.

Figure 4 is a rear end view.

In these views, the numeral 1 indicates a hollow member which is of semi-circular shape in cross section and 2 indicates a flat base part of the hollow member which is of greater width than said member. One end of the hollow member is closed and its rear end is open and said rear end is formed with a reduced part 3 which enters an opening in the lower end of an upright 4 and a plug 5 closes the open end of the hollow member and has a flange for engaging the upright. A handle member A is connected with the upper end of the upright and this handle member is composed of a tubular part 6 which is threaded into a threaded opening in the upper part of the upright and a tubular part 7 formed of non-conducting material. A ring 8 is placed between the inner ends of the parts 6 and 7 and a cap 9 is threaded to the outer end of the part 6 and has a flange abutting the outer end of the part 7. A tubular member 10 of non-conducting material is placed in the part 6 and has a reduced end passing through a hole in the cap, the cap acting to hold said tubular part in position. The cable 11, containing the conductors, passes through the part 10 and through a groove in the upright 4, with the ends of the conductors connected to the terminals of a heating coil 12 placed in the member 1. This member can be removed or replaced by removing the plug 5.

A diagonally arranged notch or slot 13 is formed in the front lower corner of the member 1 to receive a scraping blade 14 and the semi-circular part of the member 1 is covered by asbestos 15 or the like which is enclosed in a metal sheet 16 having its flanges connected to the sides of the part 2 by the screws 17. A small scraper blade 18 is pivoted midway its ends to the front of the member 1, as shown at 19, so that said member can be placed in a horizontal position, as shown in Figure 3, so that it will be out of the way when the device is being used or it can be turned to a vertical position so that it can be used to scrape portions of a surface which is not accessible to the blade 14.

From the foregoing it will be seen that when current is flowing to the heating element, the member 1, together with its flat part 2 and the blade 14, will be heated, so that when the member is moved over a surface, the heated flat part will soften paint, varnish or the like on such surface and then by slightly tilting the device to bring the edge of the blade 14 against the surface, the paint or other matter will be scraped from the surface.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be

made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. A device of the class described comprising a hollow member having a flat bottom, a heating unit in the member for heating the same, the front lower corner of the member having a diagonally arranged slot therein, a scraper blade in the slot, a hollow handle, an upright connecting one end of the handle with the rear of the member and conductors passing through the hollow handle and connected with the heating element.

2. A device of the class described comprising a hollow member having a flat bottom, a heating unit in the member for heating the same, the front lower corner of the member having a diagonally arranged slot therein, a scraper blade in the slot, a hollow handle, an upright connecting one end of the handle with the rear of the member, conductors passing through the hollow handle and connected with the heating element, the rear end of the hollow member being open and a cap closing the opening whereby the heating element can be removed from or placed in the member.

3. A device of the class described comprising a hollow member having a flat bottom, a heating unit in the member for heating the same, the front lower corner of the member having a diagonally arranged slot therein, a scraper blade in the slot, a hollow handle, an upright connecting one end of the handle with the rear of the member, conductors passing through the hollow handle and connected with the heating element and a small scraper member pivoted to the front of the hollow member, whereby said member can be moved from a horizontal position to a vertical position.

In testimony whereof I affix my signature.

JAMES McNEIL.