W. FREDRIKSEN AND E. PEDERSON.

SCRAPER FOR FLOOR BRUSHES.

APPLICATION FILED JAN. 17, 1921.

1,402,485. Patented Jan. 3, 1922.

Fig. 1.

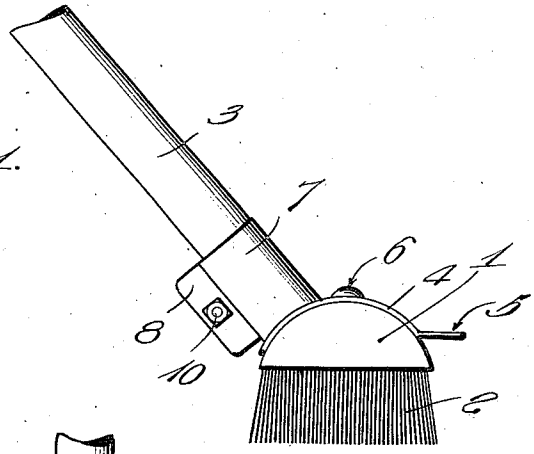
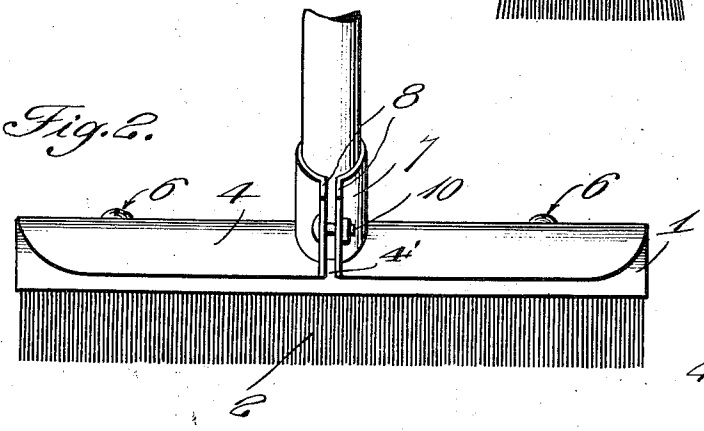


Fig. 2.



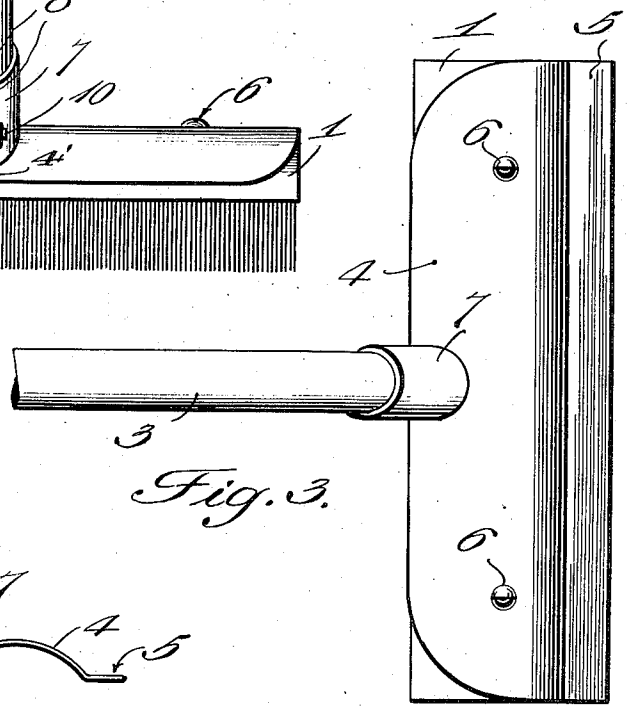
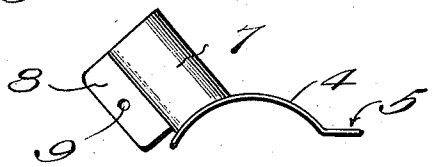


Fig. 3.

Fig. 4.



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SCRAPER FOR FLOOR BRUSHES.

1,402,485. Specification of Letters Patent. Patented Jan. 3, 1922.

Application filed January 17, 1921. Serial No. 437,947.

To all whom it may concern:

Be it known that we, EMIL PEDERSON and WILLIAM FREDRIKSEN, subjects of Norway, residing at Denver, in the county of Denver and State of Colorado, of the United States, have invented a new and useful Scraper for Floor Brushes, of which the following is a specification.

This invention relates to an improved scraper attachment for floor brushes and one object of the invention is to provide a scraper attachment which may be connected with the head and handle of the floor brush and will have snug engagement with the head and handle and be positioned so that it will be convenient for use but at the same time will be out of the way when not in use.

Another object of the invention is to so construct this device that it may be formed of sheet metal, the brush head engaging plate being formed of heavy sheet metal and the clamps of resilient sheet metal.

Another object of the invention is to provide a scraper attachment which will be cheap to produce and which can be readily put in place and further easily removed and transferred to another brush when so desired.

This invention is illustrated in the accompanying drawings, wherein:

Figure 1 is a view showing the brush and scraper in side elevation.

Figure 2 is a rear elevation of the brush and scraper.

Figure 3 is a top plan view.

Figure 4 is a side elevation of the scraper removed from the brush.

This scraper attachment is to be used in connection with a floor brush having the usual head 1 carrying bristles 2 and a handle 3 which will extend from the head 1 at an angle which will permit of the brush being readily used. This brush is of the type commonly used in garages for sweeping the floor. In garages, dirt will often become caked upon the floor and since it is difficult to remove this caked dirt with a brush, the scraper attachment has been provided.

This scraper is provided with a body portion or plate 4 which is formed of heavy sheet metal bent to conform to the shape of the brush head and further bent to provide a lip extension 5 which will extend from the head of the brush beyond the sides thereof so that the blade extension 5 may engage the floor with the brush head and bristles out of engagement with the floor. The brush head illustrated is provided with a curved back and therefore the major portion of this plate 4 is curved so that it will conform to the shape of the back of the brush head, but it is to be understood that if the back of the brush head is not curved but is of another shape, the plate will be made to conform to the shape of the brush head back. Openings are formed in this plate 4 adjacent the ends to receive securing screws 6 which will be passed through these openings and screwed into the head of the brush.

In addition to being connected with the head of the brush, the scraper attachment is to be connected with the brush handle and it will be readily seen that the means connecting the plate 4 with the handle 3 of the brush will serve not only as means for assisting in holding the attachment in place but will further serve as bracing means for the handle and as means for assisting in holding the handle in engagement with the brush head. This handle-engaging means consists of a split sleeve 7 formed of resilient sheet metal and carried by the plate 4 about an opening formed therein to permit the handle 3 to pass through the plate 4 and into a suitable socket formed in the brush head. The opening in the plate through which the handle passes is provided with a reduced extension 4′ leading to the rear edge of the plate as shown in Fig. 2 so that the sleeve may readily be drawn into tight engagement with the handle. Tongues 8 extend from the split sleeve as shown and are provided with alined openings 9 to receive a fastener bolt 10. After the device has been put in place and the securing screws passed through the openings 6 and screwed into the brush head, the bolt 10 will be put in place and tightened, thus drawing the sleeve tightly about the handle of the brush. The attachment will then be securely held in place but may be easily removed when desired. The brush may be used in the ordinary manner to brush the floor without the attachment interfering with the ordinary use of the brush. When however it is desired to scrape the floor, it is simply necessary to turn the brush to bring the blade extension 5 into engagement with the floor and any caked mud or dirt upon the

floor can be easily scraped loose. It will thus be seen that a very simple construction has been provided which will be cheap to produce and which will provide a scraper attachment having a strong construction and serving as handle securing and bracing means as well as serving as a scraper.

We claim:

1. In a brush head, a handle extending from the brush head, a plate fitting upon and conforming to the transverse contour of the upper face of the brush head and having its forward side portion bent to provide an outstanding flange constituting a scraping blade, said plate being provided with a handle receiving opening adjacent its rear edge having an extension leading through the rear edge of the plate, fasteners passing through the plate into the brush head to secure the plate upon the brush head, a slit sleeve extending from said plate at the opening formed therein and fitting about the handle and having rearwardly extending side flanges, and a fastener passing through the flanges for drawing the slit sleeve tightly about the brush handle.

2. A brush attachment comprising a plate for fitting upon the upper face of a brush head, said plate being provided with a side extension forming a scraping blade and said plate having fastener receiving openings and the rear portion of the plate having a handle receiving opening provided with a reduced extension leading into the rear edge of the plate, a slit sleeve extending upwardly from the plate about the opening formed therein and having rearwardly extending side flanges extending in spaced relation and a fastener carried by said flanges, for drawing the sleeve tightly about a handle extending through the sleeve and opening of the plate.

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