T. C. PROUTY.

FOOT SCRAPER.

APPLICATION FILED FEB. 25, 1905.

923,997. Patented June 8, 1909.

Fig. 1.

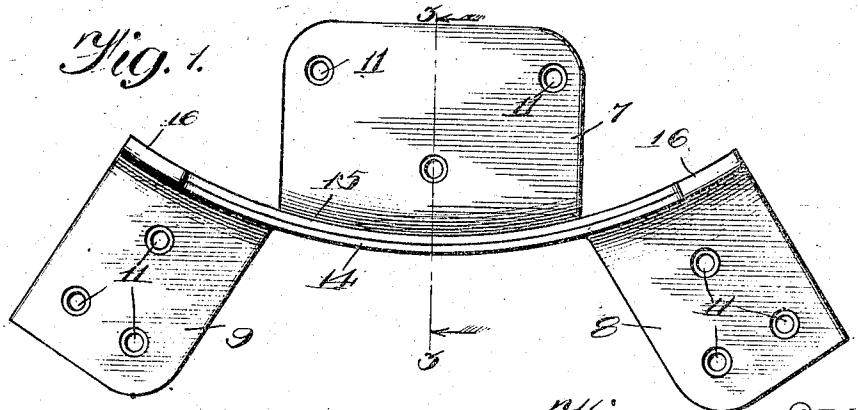


Fig. 5.

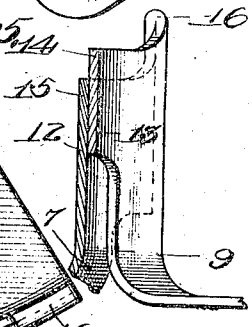


Fig. 2.

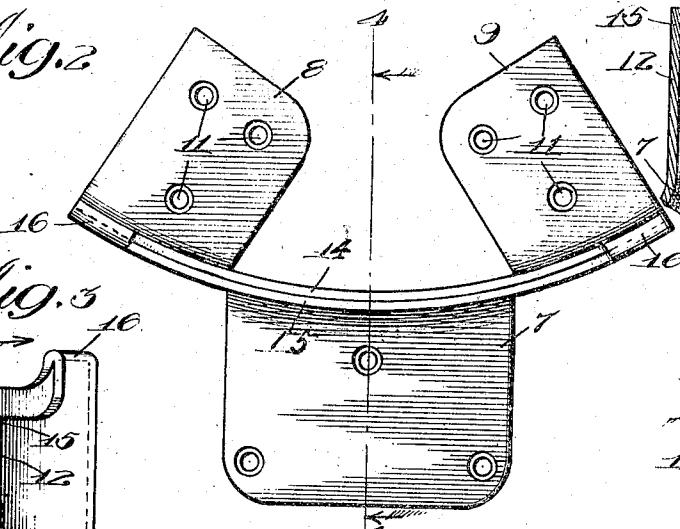


Fig. 3.

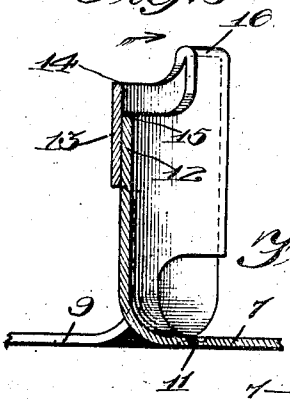


Fig. 4.

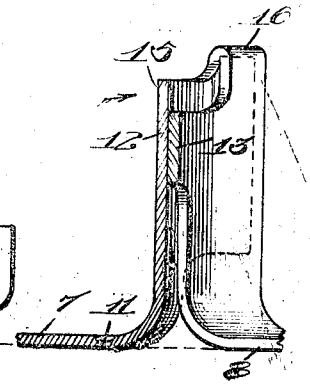
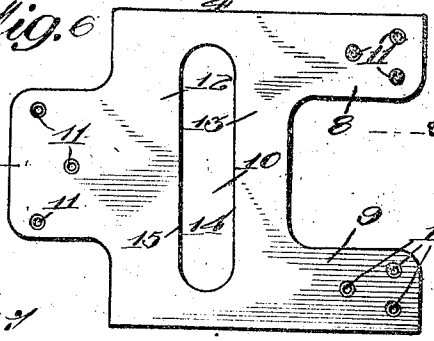


Fig. 6.



Witnesses:

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UNITED STATES PATENT OFFICE.

THEODORE C. PROUTY, OF AURORA, ILLINOIS, ASSIGNOR TO WILCOX MANUFACTURING COMPANY, OF AURORA, ILLINOIS, A CORPORATION OF ILLINOIS.

FOOT-SCRAPER.

No. 923,997. Specification of Letters Patent. Patented June 8, 1909.

Application filed February 25, 1905. Serial No. 247,314.

To all whom it may concern:

Be it known that I, THEODORE C. PROUTY, a citizen of the United States, residing at Aurora, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Foot-Scrapers, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to foot-scrapers, and has for its object to provide a new and improved scraper which will be simple but efficient in construction. I accomplish this object as illustrated in the drawings and as hereinafter described.

What I regard as new is set forth in the claims.

In the accompanying drawings,—Figure 1 is a plan view, illustrating one form of my improved scraper; Fig. 2 is a similar view, showing a modification thereof; Fig. 3 is a vertical cross section on line 3—3 of Fig. 1; Fig. 4 is a vertical cross section on line 4—4 of Fig. 2; Fig. 5 is a vertical cross section, illustrating a further modification; and Fig. 6 is a plan view of the blank from which the scraper is made.

My improved scraper is formed from a sheet of metal, preferably steel, which is stamped out to form a blank shaped as shown in Fig. 6. As therein shown, at one end of the blank is a projecting ear 7, and at the other end ears 8—9.

10 indicates a slot having rounded ends, which extends transversely of the blank and is placed intermediately thereof. The blanks may be stamped out of a single strip of metal, and as the width of the ear 7 is the same as the space between the ears 8—9 there is no substantial waste of material,—the only waste being the part cut out to form the slot 10. The ears 7—8—9 are provided with a suitable number of screw-holes 11, as shown. The scraper is made from the blank by folding it along a transverse line which extends through the slot 10, the folded members 12—13 being pressed closely together, as shown in the drawings. The ears 7—8—9 are then bent at right angles with the folded members so that when they rest upon a flat surface the folded members are in an upright position. The folded members are then bent into curved form, making the completed scraper. In the construction shown in Fig. 3, the line of the fold does not extend centrally through the slot 10, but is nearer the right-hand edge 14 thereof, so that that edge of the slot, when the parts are folded, is higher than the left-hand edge 15 thereof. The edge 14, therefore, constitutes the scraping edge, while the rear member 12 serves to reinforce the front member 13. It will be understood that in this construction the foot is drawn in the direction shown in Fig. 3 in scraping. In Fig. 4 a construction is shown in which the line of the fold is nearer the edge 15, so that that edge becomes the scraping edge, while the member 13 serves as the reinforcing member. In the constructions shown in Figs. 1 to 4 the front surface is convex. In Fig. 5, however, I have shown a construction in which the front surface of the scraper is concave,—this being secured simply by bending the folded members in the opposite direction from that shown in Fig. 1. As shown in the drawings, the part of the blank which lies at the ends of the slot 10 forms, when folded, upwardly-projecting portions 16 which serve as stops to prevent the foot from sliding off the ends of the scraper.

While the best results are secured by curving the folded members as illustrated, my invention also includes a scraper in which the folded members are not bent into curved form; and, except where the curved form of scraper is particularly claimed, the claims are to be construed accordingly.

That which I claim as my invention and desire to secure by Letters Patent is,—

1. A foot-scraper, comprising a metal plate bent intermediately upon itself, a portion of the fold being cut away between the side edges of the plate to form a scraping edge, and attaching means at the ends of said plate.

2. A foot-scraper, comprising a metal plate bent intermediately upon itself and curved about a substantially vertical axis, a portion of the fold being cut away between the side edges of the plate to form a scraping edge, and attaching means formed integral with said plate.

THEODORE C. PROUTY.

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