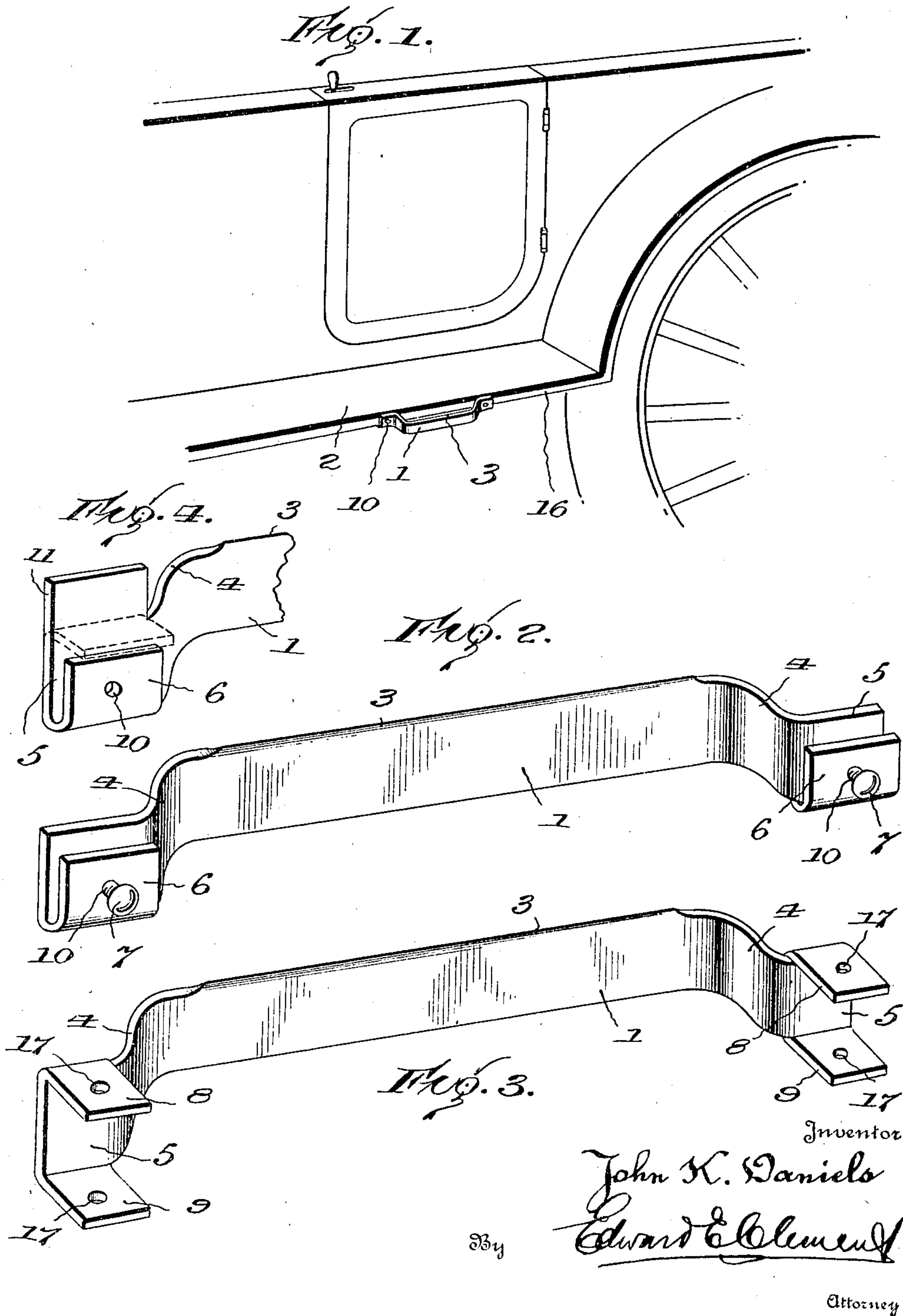


J. K. DANIELS.
FOOT SCRAPER.
APPLICATION FILED MAY 8, 1917.

1,298,300.

Patented Mar. 25, 1919.



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FOOT-SCRAPER.

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Specification of Letters Patent.

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Application filed May 8, 1917. Serial No. 167,335.

To all whom it may concern:

Be it known that I, JOHN K. DANIELS, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Foot-Scrapers, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to foot scrapers and especially a foot scraper adapted to be readily attached to the running board of an automobile. An object of my invention is to provide a scraper of the above type simple in construction and inexpensive to manufacture, and so arranged as to be readily and securely fastened to the running board of an automobile and to cooperate with the structure of the running board to afford an effective foot scraping device conveniently positioned without offering a dangerous obstruction above the plane of the running board in the path of entrance to the automobile.

Other objects of my invention will be apparent from a perusal of the following specification and the drawings accompanying the same.

My invention is illustrated in the accompanying drawings in which—

Figure 1 is a fragmentary perspective view of an automobile with my device attached to the running board thereof.

Fig. 2 is a perspective view of a form of my device particularly adapted for use on metal running boards.

Fig. 3 is a similar view of another form of my device adapted for application to a wooden running board.

Fig. 4 is a fragmentary perspective view of a modified arrangement of the attaching means for use with metal running boards.

Referring to the drawings in detail, it will be seen that my device comprises an elongated body portion 1, preferably of heavy sheet metal, having the upper portion sharpened or tapered to form a scraping edge 3 and offset attaching means formed at its opposite ends. In the form shown in Fig. 2 the attaching means formed at the ends consist of the offset portions formed by bending the material laterally as at 4 and then outwardly and parallel to the body portion as at 5, carrying flanges 6 parallel to and offset from the portions 5 and formed by bending the lower portions of the ends 5

laterally and upwardly. The ends 5 and flanges 6 are provided with suitable threaded perforations 10 adapted to receive the bolts 7 which, when the device is fastened to a metal running board, pass through the flange 16 from the under side of the running board. This manner of attaching the device is illustrated in Fig. 1. It is possible, however, for the sake of appearances, to do away with the perforations in the end portions 5 by making the gap between the flange 6 and the portion 5 such that these parts will fit snugly up over the downwardly projecting flange 16 of the running board and having the bolt simply thread into the perforation in the flange 6 and either pass through or bite into the flange of the running board, acting as a set screw.

The form shown in Fig. 3 is identical with that of Fig. 2 except that the fastening means is formed by two laterally extending ears 8 and 9 formed on the end portions 5 and spaced apart to embrace the edge of a wooden running board, the ears 8 and 9 being provided with perforations 17 to receive suitable screws or bolts, not shown, for securing the device to the running board.

In Fig. 4 is shown a modified form of the attaching means of Fig. 2 in which I provide an extra flange or ear 11 extending upwardly from the portion 5 and arranged to be bent over into the position shown in dotted lines to embrace the upper edge of the running board. This bending of the ear 11 is, of course, done after the device is placed in position with the portions 5 and 6 fitted up over the flange of the running board, the bending being effected by means of a hammer or a large pair of tongs applied so as to bend down the ear 11 and force the members 5 and 6 up into snug engagement with the running board flange. With this form of attachment it is of advantage to use the set screws to hold the scraper against lateral movement along the flange 2.

In forming up the device I so proportion and arrange the scraping edge 3, the spacing portion 4, and the holding means in relation to each other that when the device is mounted on the running board the scraping edge 3 will be positioned substantially in the plane of the top surface of the running board and spaced from the outer edge thereof to afford an opening or space through which the scrapings may fall to the ground. The device thus formed and attached is shown

in Fig. 1, from which it will be seen that there are no parts projecting upwardly from the surface of the running board 2 while the scraping edge 3 is amply free of the board to be effectively used by one standing below.

Having thus described my invention what I claim and desire to secure by Letters Patent is—

1. A foot scraper comprising a scraper blade of uniform width and thickness having its upper edge reduced to form a scraping edge and having its end portions extended laterally of the blade in the same direction, then parallel to the blade in opposite directions, then laterally and upwardly in the same direction from the bottom edge to form U-shaped clamps offset from the blade, the arms of the U-shaped clamp thus formed being perforated to receive a bolt.

2. The combination with a sheet metal automobile platform having a downwardly extending flange along its edge, of a foot scraper formed of sheet metal and comprising a body portion having its upper edge beveled to form a scraper blade, and U-shaped attaching means formed at opposite ends of said body portion and offset laterally therefrom and engaging the flange of the running board for attachment thereto, the arms of the U-shaped attaching means and the said flange being provided with registering perforations to receive attaching screws.

3. The combination with a sheet metal automobile platform having a downwardly extending flange along its edge, of a foot scraper formed of sheet metal and comprising a body portion having its upper edge beveled to form a scraper blade, U-shaped attaching means formed at opposite ends of

said body portion and offset laterally therefrom and engaging the flange of the running board for attachment thereto, the arms of the U-shaped attaching means and the said flange being provided with registering perforations to receive attaching screws, and an upwardly extending ear formed on one arm of said U-shaped attaching means and clenched or bent over the top of the platform across the gap of the U-shaped portion.

4. The combination with a platform of a foot scraper blade attached thereto with the upper edge of the blade offset from the edge of the platform and with its upper edge substantially flush with the upper platform surface, attaching means for said scraper engaging wholly below the upper surface of the platform, and supplemental means on the scraper engaging the upper platform surface to prevent disengagement of said attaching means therefrom.

5. In combination with a platform, a foot scraper formed of a strip of metal adapted to be offset from the edge of the platform and rigidly held parallel thereto, with fastening means comprising as its essential feature a downwardly extending ear or projection formed on the metal strip, the downward projection being bent laterally and then upwardly into U-shape and engaging beneath the edge of the platform, and the upward projection being bent laterally and clenched down upon the upper surface of the platform so as to overly the mouth of the U-shaped figure of the first projection, and prevent disengagement thereof.

In testimony whereof I affix my signature.

JOHN K. DANIELS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."