

J. B. LOWRY.

Improvement in Door-Scrapers.

No. 132,092.

Patented Oct. 8, 1872.

Fig. 1

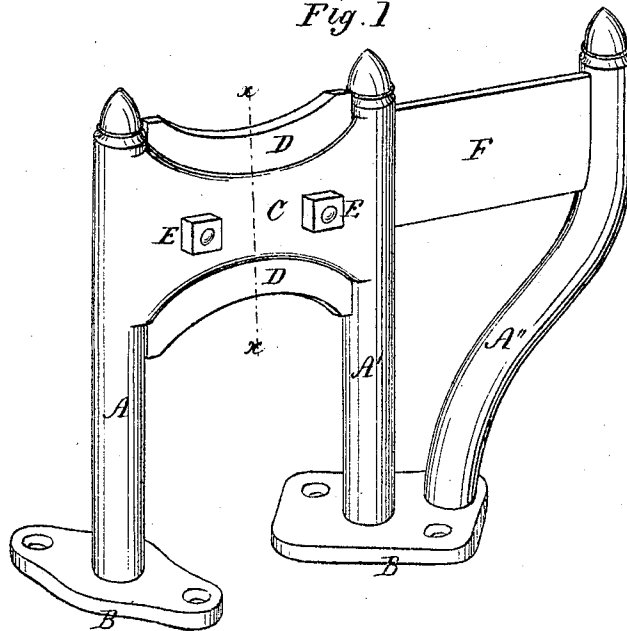
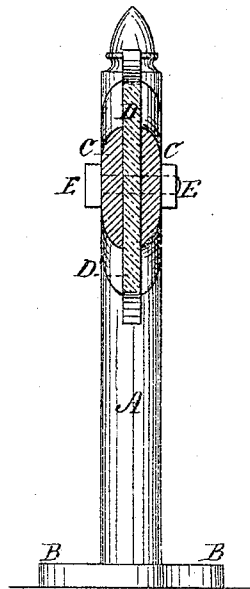


Fig. 2.



Witnesses.

Edmund Masson.

John P. Young

Inventor,

Jos. B. Lowry, by
Orindle and Co. his
attys

UNITED STATES PATENT OFFICE.

JOHN B. LOWRY, OF SPRINGFIELD, ILLINOIS.

IMPROVEMENT IN DOOR-SCRAPERS.

Specification forming part of Letters Patent No. 132,092, dated October 8, 1872.

To all whom it may concern:

Be it known that I, JOHN B. LOWRY, of Springfield, in the county of Sangamon, and in the State of Illinois, have invented certain new and useful Improvements in Door-Scrapers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a perspective view of my improved device; and Fig. 2 is a vertical section of the same on line *x x* of Fig. 2.

Letters of like name and kind refer to like parts in each of the figures.

The object of my invention is to produce a combined, rigid, and flexible door-scraper, which shall be simple, compact, and efficient; and to this end it consists in a combined, flexible, and rigid door-scraper, when its parts are constructed and combined, substantially as and for the purpose hereinafter specified.

In the annexed drawing, A and A' represent two standards, which extend vertically upward from suitable horizontal supporting-plates B, and are connected together at or near their upper ends by means of two cross-bars, C, that extend horizontally between said standards in parallel lines, and form a vertical slot or space that has a width of about one-fourth of an inch, and is open at its upper and lower sides. The upper and lower edges of the cross-bars C are, preferably, formed upon a circle, as shown, but, if desired, may be straight and parallel. Within the slot formed by or between the cross-bars C is inserted a piece of vulcanized rubber, D, which, in length, corresponds to the like dimensions of said slot, while vertically said rubber extends above and below said bars, and has its sides formed upon a circle, as seen in Fig. 1. One or more bolts, E, passing horizontally and transverse-

ly through the cross-bars and rubber, insure the relative positions of the parts, the pressure of said bolt being sufficient to spring said bars together, so as to clamp between them said rubber. If desired, one of the bars may be cast separate, and afterward attached to the frame by means of the bolt, in which event much less pressure will be required in order to confine the rubber in place. From the outer side of one of the supporting-plates B a third standard, A'', extends upward, outward, and again upward, so as to bring its upper end in a line with the other standards, and at a distance from the nearest of the same, A', corresponding to the space between the latter and the outer standard A. A thin metal bar, F, extending horizontally between the standards A' and A'', completes the device, which, when secured to or upon a door-step, is ready for use, the rigid bar F serving as a scraper for the soles of shoes, while the rubber serves as a mat, and, conforming to the irregularities of the shoe, enables the removal therefrom of all adhering dirt.

The advantages of this device consist in the double use of which it is capable, and its small cost, as compared with other means usually employed for effecting a like result.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

A flexible and rigid door-scraper, when constructed substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of September, 1872.

JOHN B. LOWRY.

Witnesses:

A. T. SMITH,
M. J. PHILLIPS.