

No. 613,133.

Patented Oct. 25, 1898.

F. F. FOBARE.
FOOT SCRAPER.

(Application filed Oct. 29, 1897.)

(No Model.)

Fig. 1.

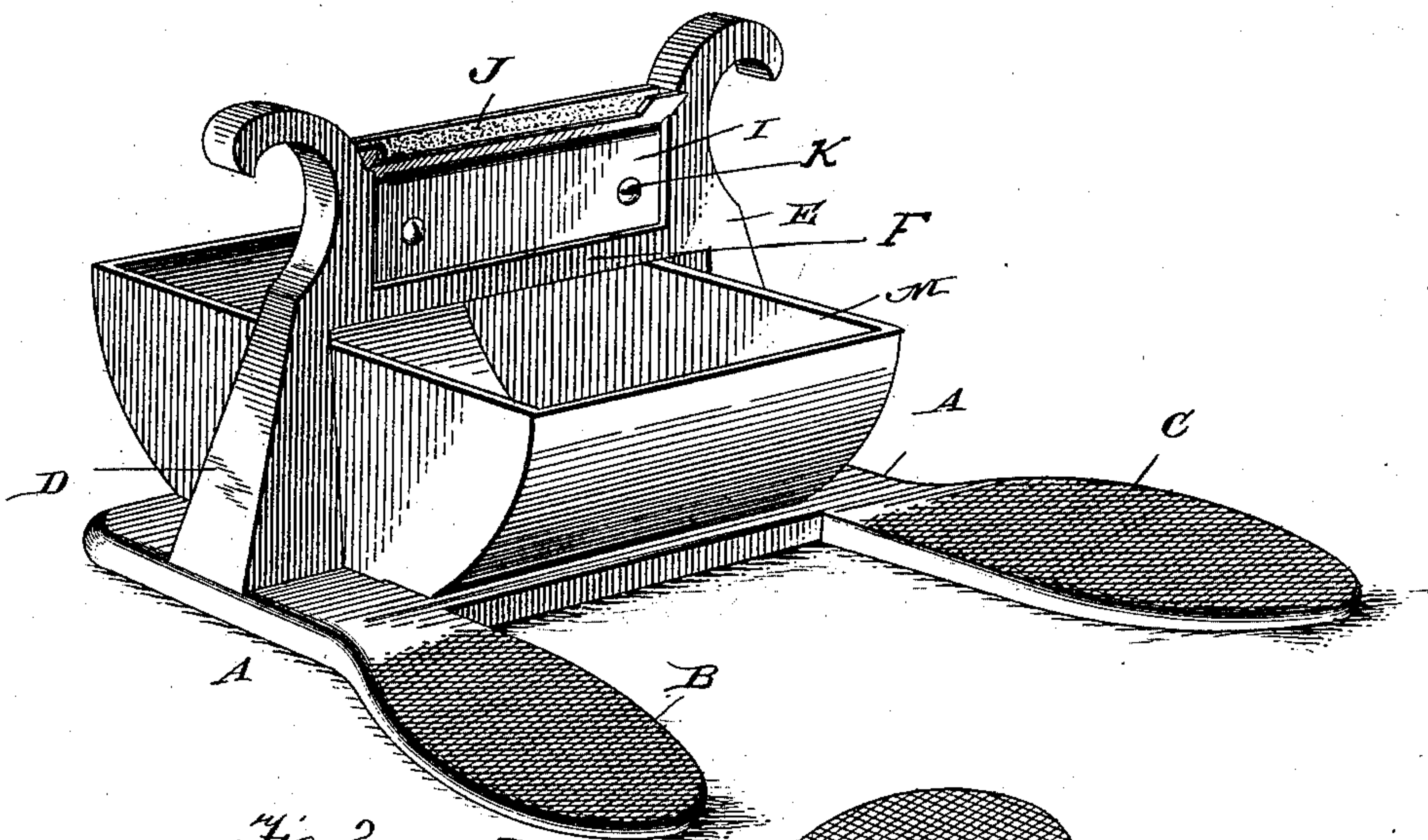


Fig. 2.

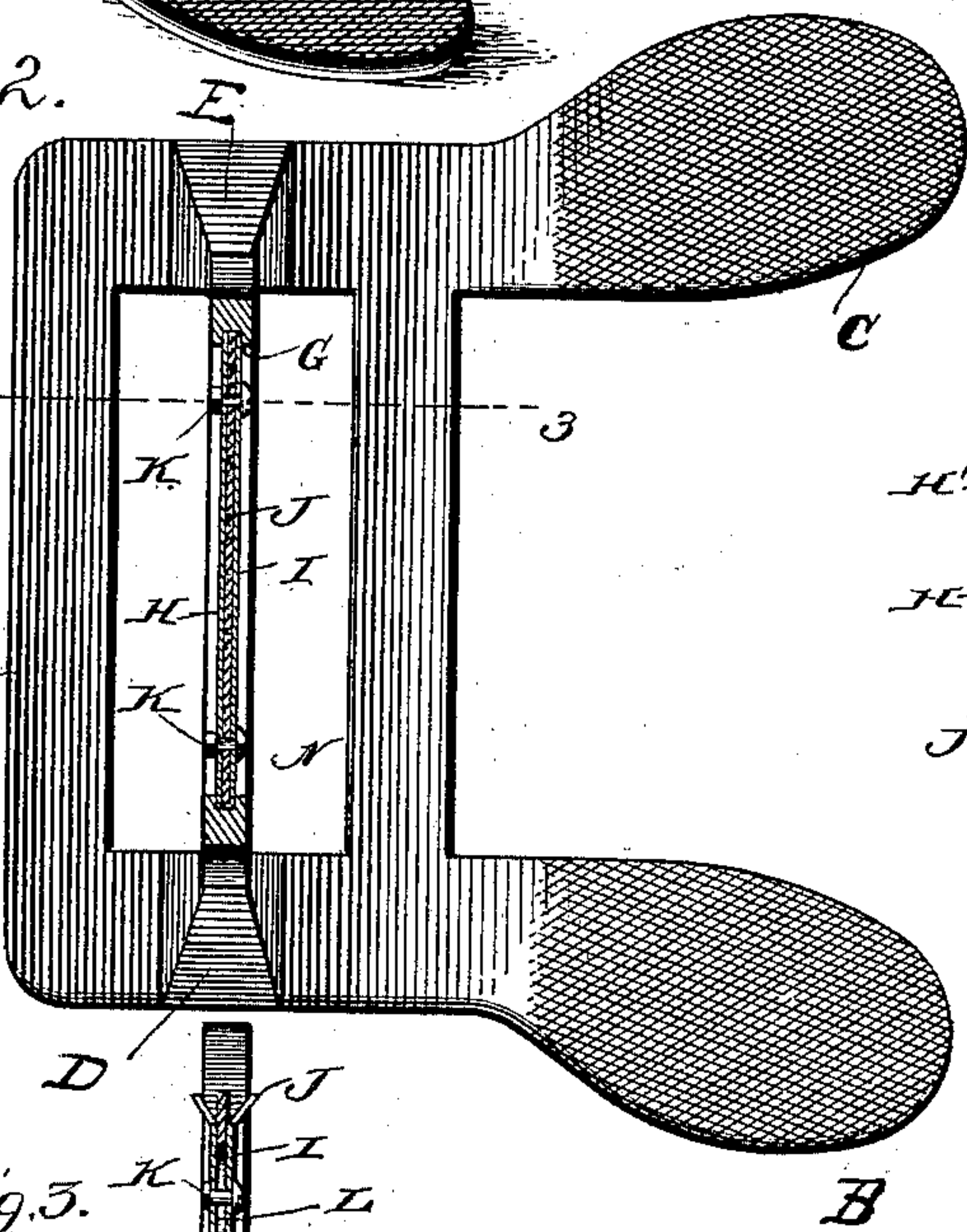


Fig. 3.

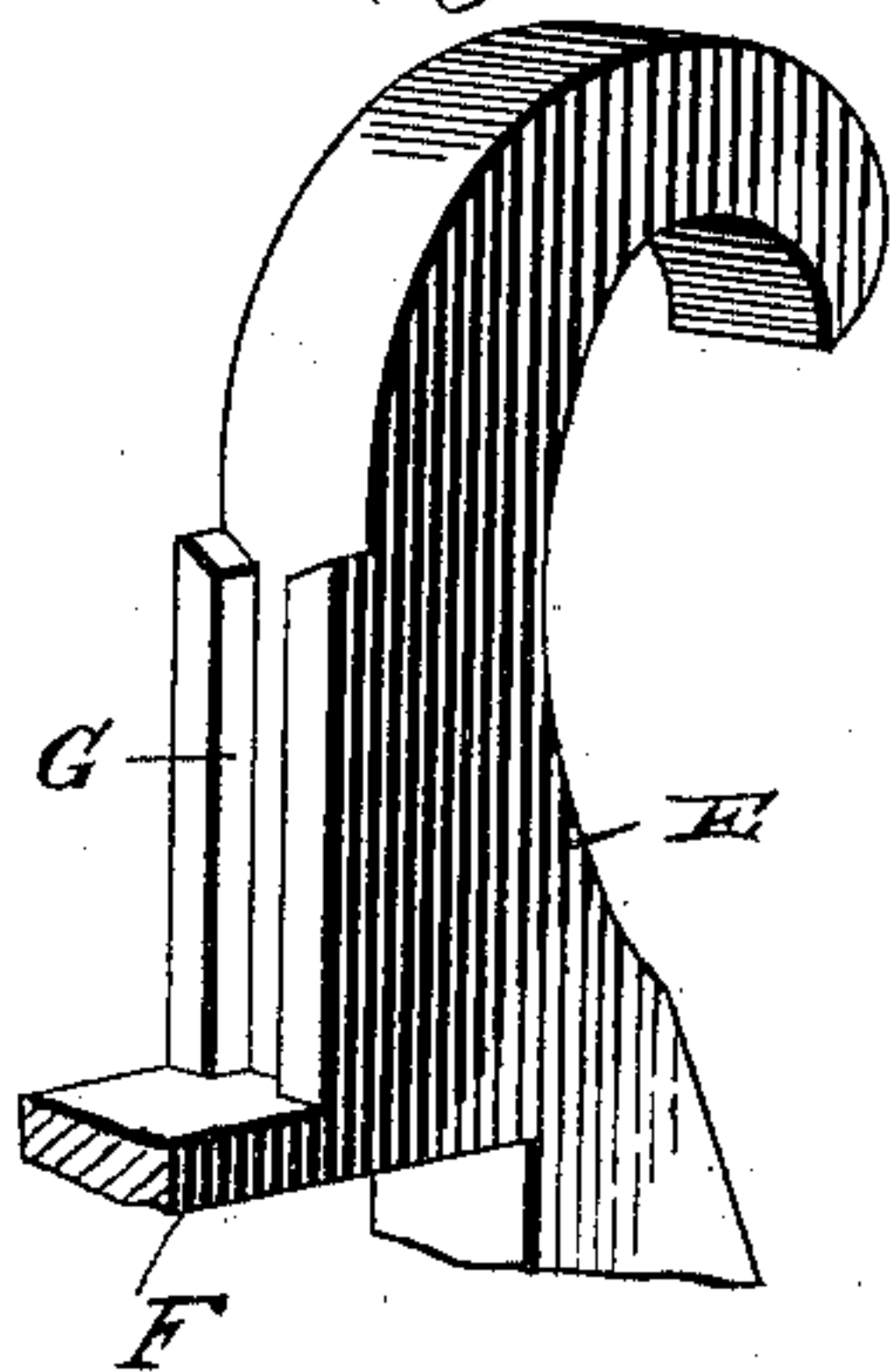


Fig. 4.

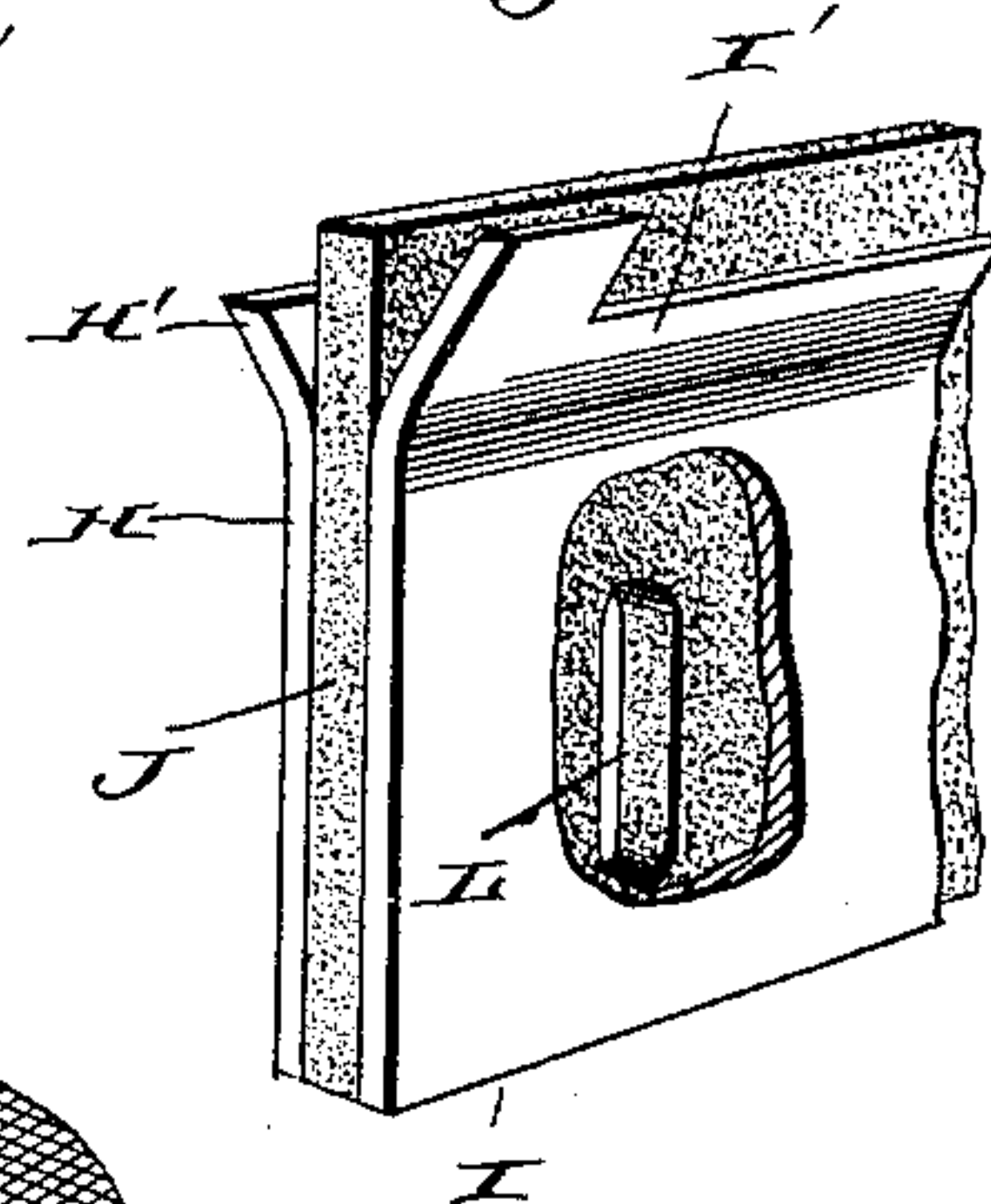
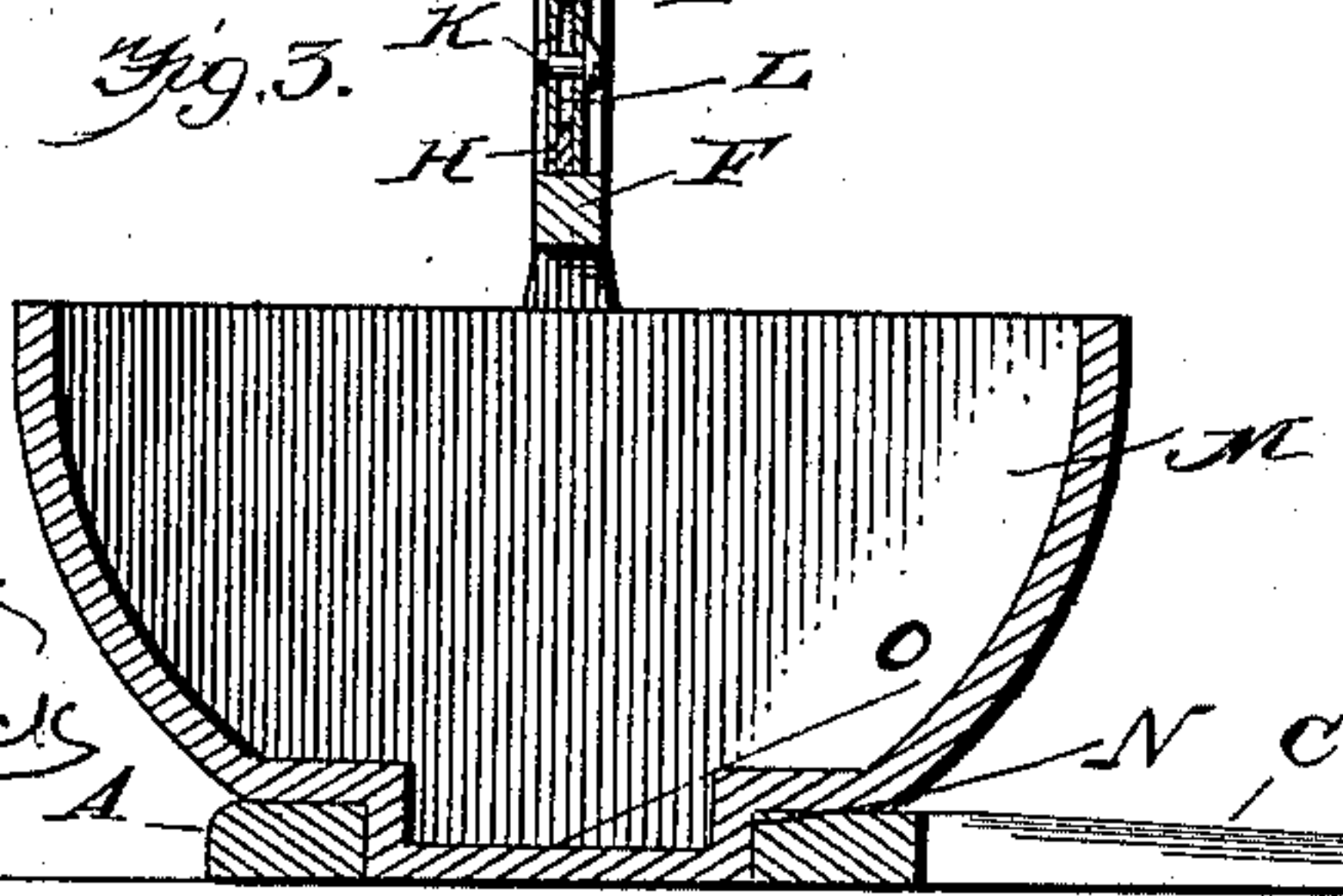


Fig. 5.



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FLETCHER FRANCES FOBARE, OF TROY, NEW YORK.

FOOT-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 613,133, dated October 25, 1898.

Application filed October 29, 1897. Serial No. 656,818. (No model.)

To all whom it may concern:

Be it known that I, FLETCHER FRANCES FOBARE, residing at Troy, in the county of Rensselaer and State of New York, have invented
5 a new and useful Foot-Scraper, of which the following is a specification.

This invention is in the nature of a foot-scraper such as are used in hallways and upon door-steps to scrape and clean mud and
10 dirt from the shoes of persons entering the building.

The general object of my invention is to improve the construction of such devices, whereby their limit of usefulness is extended.

15 With this object in view my invention consists in the improved construction, arrangement, and combination of parts hereinafter fully described, and afterward specifically pointed out in the claims.

20 In order to enable others skilled in the art to which my invention most nearly appertains to make and use the same, I will now proceed to describe its construction and operation, reference being had to the accompanying
25 drawings, in which—

Figure 1 is a perspective view of a foot-scraper constructed in accordance with my invention. Fig. 2 is a horizontal sectional view through the same, taken on the line of
30 the bolts which secure the scraper and cleaner together. Fig. 3 is a vertical sectional view through the same from front to rear on the line 3 3 of Fig. 2. Fig. 4 is a detail perspective view of the composite scraper and cleaner
35 detached, part of one scraper-plate being broken away to more clearly show one of the slots in the cleaner-plate. Fig. 5 is a detail perspective view of a portion of the scraper-frame, illustrating one of the grooves for re-
40 ceiving the composite scraper and cleaner.

Like letters of reference mark the same parts wherever they occur in the various figures of the drawings.

Referring to the drawings by letters, A indicates the base-plate, which will be preferably made of cast metal and have cast with it right and left extensions B and C and up-
45 rights D and E, connected by a cross-bar F. The inner sides of the uprights D and E, above the cross-bar F, are provided with vertical
50 grooves G, in which my improved composite scraper and cleaner will be seated, the ends

thereof fitting in the opposite grooves G of the two uprights.

My composite scraper and cleaner consists 55 of two plates H and I, of metal, preferably steel, cut away, as shown, to form edges to scrape the edges of the soles of shoes, with upper edges turned outward, as at H' and I', and a central plate J, of rubber or other analo- 60 gous material, clamped between the plates H and I by means of bolts and nuts K, the inner plate J being provided with vertical slots L, through which said bolts pass, and its upper edge being projected a slight distance above 65 the upper edges of the scraper-plates H and I.

M is a receptacle or box which is adapted to pass between the uprights D and E and be seated in an opening N in the base-plate, the bottom of the receptacle resting upon the 70 base-plate and being provided with a downwardly-projecting portion O to rest within the opening N after the manner in which the extended bottom portions of ordinary boilers rest within the stove-holes. The top of the 75 receptacle M when in position for use with the scraper is sufficiently below the cross-bar F to permit of the raising of the projected portion O of the bottom out of the opening N of the base-plate, whereby the receptacle can 80 be removed from the frame and emptied when desired and easily and readily replaced in position.

The various parts of my improved foot-scraper being in position, as shown especially 85 in Fig. 1, the scraper may be placed upon the floor of the hallway, door-step, or any other desired location, and is always ready for use, no matter where placed, the trouble and ex- 90 pense of fastening it to the floor being dispensed with.

To use the scraper, one foot—say the left foot—is placed upon one of the extensions— in this case, the extension B—which will firmly hold the scraper-frame in position while the 95 right foot is being drawn across the composite scraper in the usual manner. In this operation of drawing the foot across the composite scraper the metal plates will remove or loosen all caked or hardened dirt, while 100 the cleaner-plate of rubber or other analogous material will perform the office of door-mat and thoroughly clean from the shoes all the matter not removed by the metal scraper-

plates. The scrapings are dropped into the receptacle M, which, as before stated, may be removed and emptied whenever necessary or desired. The continued use of the device
 5 will wear away the cleaner-plate J much more quickly than the metal scraper-plates H and I. To compensate for this unequal wear and to prevent waste of material, I have provided the cleaner-plate with vertical slots
 10 L, through which the bolts K pass, and whenever desired the nuts can be loosened and the cleaner-plate adjusted upward, it being possible also to remove it and trim its upper edge whenever considered necessary. This
 15 adjustment of the cleaner-plate with reference to the scraper-plates can be repeated whenever necessary until nearly the whole of the cleaner-plate is worn away.

The advantages attending the use of my
 20 invention will be obvious from the foregoing description of its construction and operation. Being provided with means whereby it can be temporarily held in position while in use, the utility of the device is greatly increased,
 25 it being possible to remove the whole device to any position where it may be required, thus obviating the necessity of having several scrapers in different positions. The provision of the removable receptacle is also a
 30 great improvement, inasmuch as it prevents the accumulation of scrapings upon and about the scraper, as necessarily occurs in the use of permanently-fixed scrapers. With
 35 this construction the scrapings always drop into the receptacle, and the receptacle itself is easily removed, as before stated, for emptying.

The scraper-plates are made removable and the cleaner-plate made adjustable and re-
 40 movable not only with relation to the frame-work, but also to the scraper-plates. The scraper and cleaner plates being the only wearable parts, provision may be made in marketing the invention whereby either
 45 scraper-plates or cleaner-plates or composite scrapers and cleaners may be furnished separately to persons owning a scraper-frame.

While I have illustrated and described what I believe to be the best means now known to me for carrying out my invention, I do not
 50 wish to be understood as limiting myself to the exact construction and arrangement shown and described, but hold that such slight changes and variations as might suggest
 55 themselves to the ordinary mechanic would properly fall within the limit and scope of my invention.

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

1. A foot-scraper, provided with a composite scraper and cleaner consisting of two scraper-plates, an interposed cleaner-plate, and means for connecting them together, the
 65 scraper-plate having the central portions cut away below the top of the cleaner-plate leaving side edges to scrape the side of the heels and soles, substantially as described.

2. A foot-scraper, provided with a composite scraper and cleaner consisting of two
 70 scraper-plates centrally cut away leaving side scrapers, an interposed cleaner-plate, the scraper-plates having registering bolt-holes and the cleaner-plate having vertical slots
 75 registering with the bolt-holes, and securing-bolts passing through the bolt-holes and slots to adjustably secure the three plates together, substantially as described.

3. The herein-described foot-scraper, consisting of the base-plate provided with the
 80 central opening, the forward side projections, the uprights, and the cross-bar connecting said uprights, said uprights being provided on their inner faces, above the cross-bar, with
 85 opposite grooves, and the scraper-plate removably secured in said grooves, and the receptacle for scrapings, resting in the opening in the base-plate between the uprights and beneath the scraper-plate, substantially as described.

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Witnesses:

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