

No. 721,178.

PATENTED FEB. 24, 1903.

E. P. GOLDEN.
SCRAPING TOOL.

APPLICATION FILED MAY 14, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

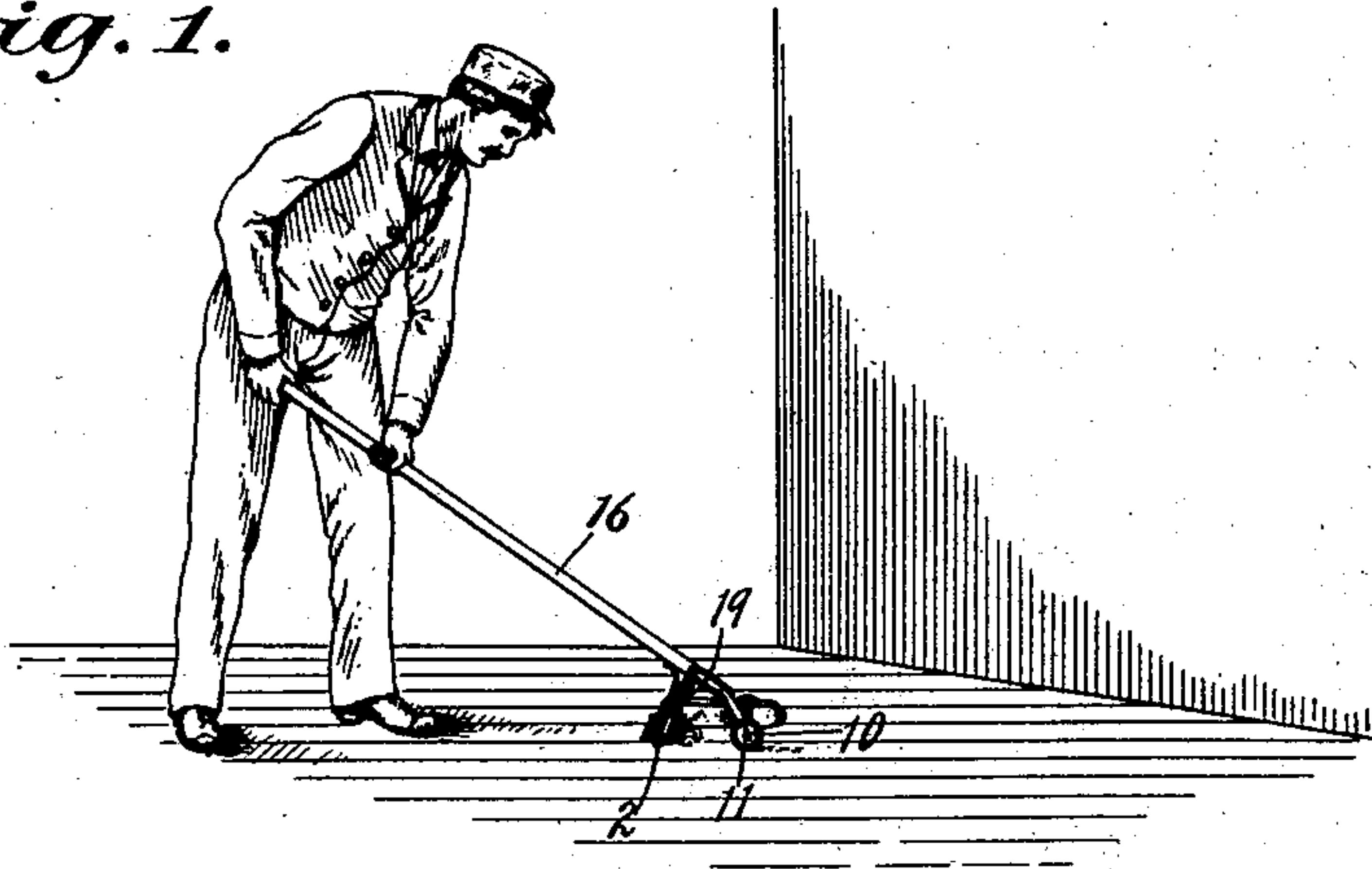


Fig. 5.

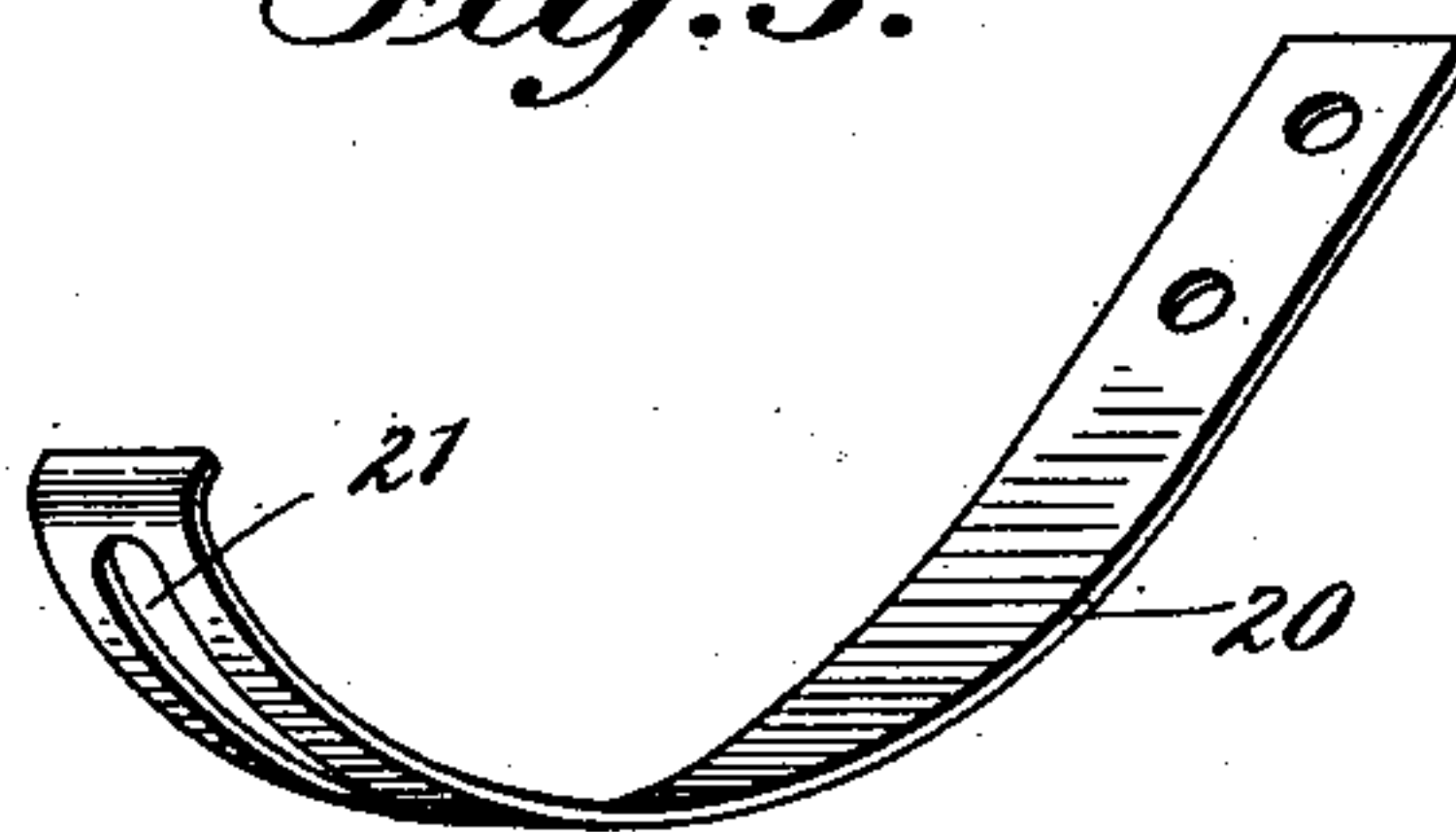
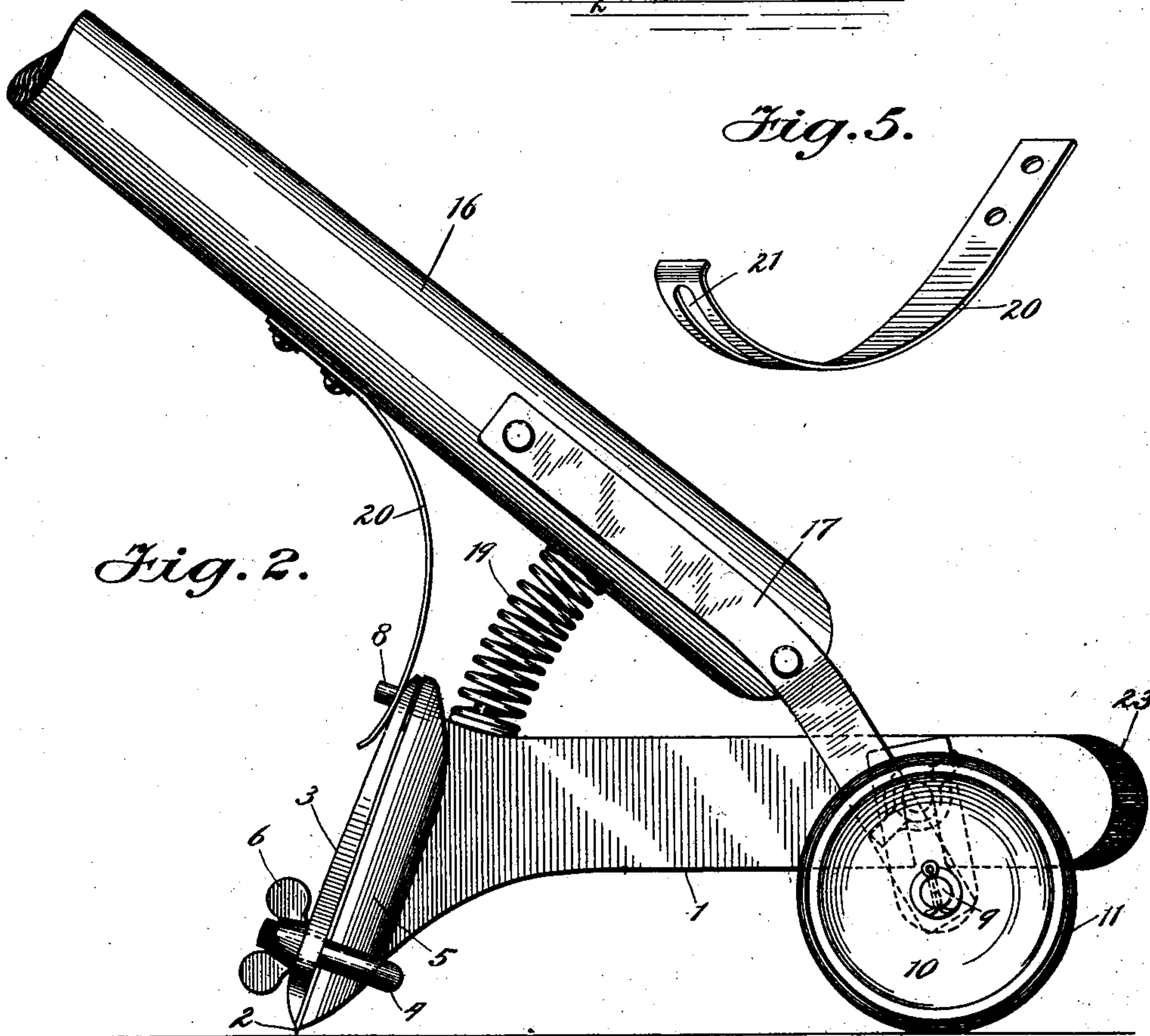


Fig. 2.



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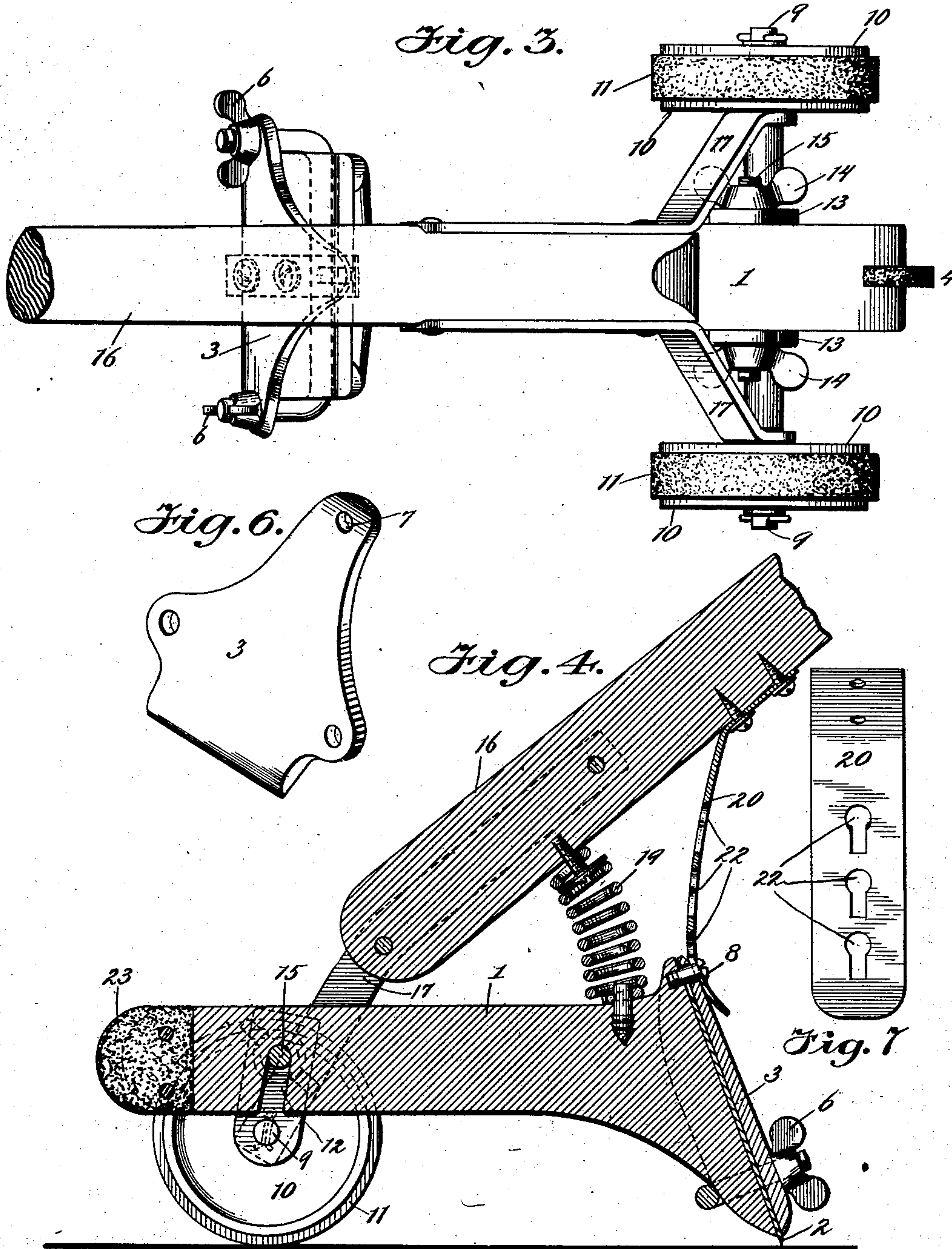
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

EPHRAIM P. GOLDEN, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO
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SCRAPING-TOOL.

SPECIFICATION forming part of Letters Patent No. 721,178, dated February 24, 1903.

Application filed May 14, 1902. Serial No. 107,249. (No model.)

To all whom it may concern:

Be it known that I, EPHRAIM P. GOLDEN, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Scraping-Tools, of which the following is a description.

My invention belongs to that class of devices particularly adapted for dressing surfaces, such as floors and the like, and has for its object a more simple, convenient, and effective device for the purpose stated.

To this end my invention consists in the novel construction, arrangement, and combination of parts herein shown and described and more particularly pointed out in the claims.

In the drawings, wherein like reference letters indicate like or corresponding parts, Figure 1 is a perspective view showing my invention and the preferred manner of using the same. Fig. 2 is a side elevation of my improved device. Fig. 3 is a top plan of the same. Fig. 4 is a section in line 4 4 of Fig. 3, showing a slightly-modified form of connecting means. Fig. 5 is a perspective view of one form of auxiliary connection between the handle and the scraping device. Fig. 6 is a perspective view of the retaining-bit, and Fig. 7 is a similar view of the flexible auxiliary connecting means shown in Fig. 4.

In the drawings, 1 shows an extending bar or handle having secured upon its end means for securely fixing a scraping-bit 2. A retaining-bit 3 is firmly secured in position to the part 1 in any preferred manner. As shown, a strap 4, extending about the part 5 of the part 1, is provided at its ends with screws and thumb-nuts 6. By this means the bit 3 will be firmly secured against the main bit 2 to support and sustain the latter in its operative position. The top of the bit 3 may be retained in position in any preferred manner. As shown, an aperture 7 is formed therein, through which extends a screw or pin 8. The other end of the part 1 is constructed to be connected to the shaft 9, carrying the wheels 10, which are preferably provided with rubber tires 11 11. As shown, a slot 12 is formed in the part 1 for the purpose of more readily connecting or disconnecting the sev-

eral parts. Clamps 13 13 on either side of the part 1 embrace the same and carry a bolt or bar 15, which is embraced by the slot 12, a thumb-nut 14 or equivalent means being employed to firmly secure the parts together, as described.

A suitable handle 16 is mounted upon the shaft 9 in any preferred manner—for example, by the extending bars 17 17, extending from the shaft to the handle, as is clearly shown in the drawings. A spring 19 or equivalent resilient means is positioned between the handle 16 and the part 1, near the bit end of the same, while an auxiliary retaining-strap 20 secures the handle to the bit end of the part 1, causing the two parts to retain their relative positions.

The mode of operation is clearly shown in Fig. 1. The operator grasping the handle 16, as shown, forces the device from him, putting sufficient force upon the handle to cause the bit 2 to be held firmly against the surface of the floor with a cushioned or resilient force, overcoming any slight variation in the position of the handle 16. The strap or connecting portion 20 is formed to secure the full benefit of the resilient connection described. For this purpose the connecting-strap 20, (shown in Fig. 5,) which may be of metal, is provided with a longitudinal slot 21, permitting a vertical play of the said straps with the pin 8 in the operation of the device, Figs. 2 and 5.

In the form shown in Figs. 4 and 7 the strap 20 is of leather or other flexible material, permitting such vertical play, and in the preferred form is provided with a plurality of holes 22 for the connection with the screw or pin 8, Fig. 4. By this means the adjusting of the engagement of the strap 20 by means of the various holes 22 with the pin or screw 8 will effect the tension on the spring 19, and thus modify the degree of pressure put upon the bit 2 in its operation. By disconnecting the strap 20 from the pin 8 and loosening the nut 14 the part 1 may be readily released from the handle 16 and be used as a hand-scraper in the usual manner.

23 is a cushion or bumper of rubber or other suitable material to prevent marring the base-board or other parts.

The supporting-wheels 10 and resilient connection of the handle 16 permit the operation of the device to be readily gaged by the operator, producing most satisfactory results with a minimum of labor.

It is obvious that a supporting-frame of a form that permits the free operation of the device either with or without wheels is the equivalent for the wheeled truck shown. Hence I do not wish to be understood as limiting myself in this respect. It is also obvious that, having thus described my improvement, other immaterial modifications may be made without departing from the spirit of my invention.

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

1. In a device of the kind described, a bar 1, pivotally supported near one end on a wheeled truck, and carrying a dressing or scraping tool near its free end, in combination with a handle 16, secured to the truck, auxiliary means loosely connecting the handle with the free end of the tool, and resilient means positioned between the two, whereby a vertically-downward force may be resiliently transmitted from the handle to the dressing-tool.

2. In a device of the kind described, a bar 1, pivotally supported near one end on a wheeled truck, and carrying a dressing or scraping tool near its free end, in combination with a handle 16, secured to the truck, auxiliary means flexibly connecting the han-

dle to the free end of the tool, and resilient means positioned between the two, whereby a vertically-downward force may be resiliently transmitted from the handle to the dressing-tool.

3. In a device of the kind described, a bar 1, pivotally supported near one end on a wheeled truck, and carrying a dressing or scraping tool near the free end thereof, in combination with a handle 16, secured to the truck, auxiliary flexible means adjustably connecting the handle to the free end of the tool, and resilient means positioned between the two, whereby a vertically-downward force may be resiliently transmitted from the handle to the dressing-tool.

4. In a device of the kind described, a bar 1, having a slot 12, formed near one end thereof, a wheeled truck carrying clamps 13, on either side of the bar 1, and supporting a rod or bolt 15, positioned within the slot 12, means for setting said clamps against the bar to secure the same, and a scraping or dressing tool carried by the free end of said bar 1, in combination with a handle 16, secured to the truck, vertically-movable auxiliary means 20, connecting the handle 16, to the tool end of the bar 1, and a spring 19, positioned between the handle 16, and the free end of the bar 1, substantially as described.

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Witnesses:

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