

No. 733,098.

PATENTED JULY 7, 1903.

C. WEIL.
FLOOR POLISHER OR OILER.
APPLICATION FILED JUNE 11, 1902.

NO MODEL.

Fig. 1.

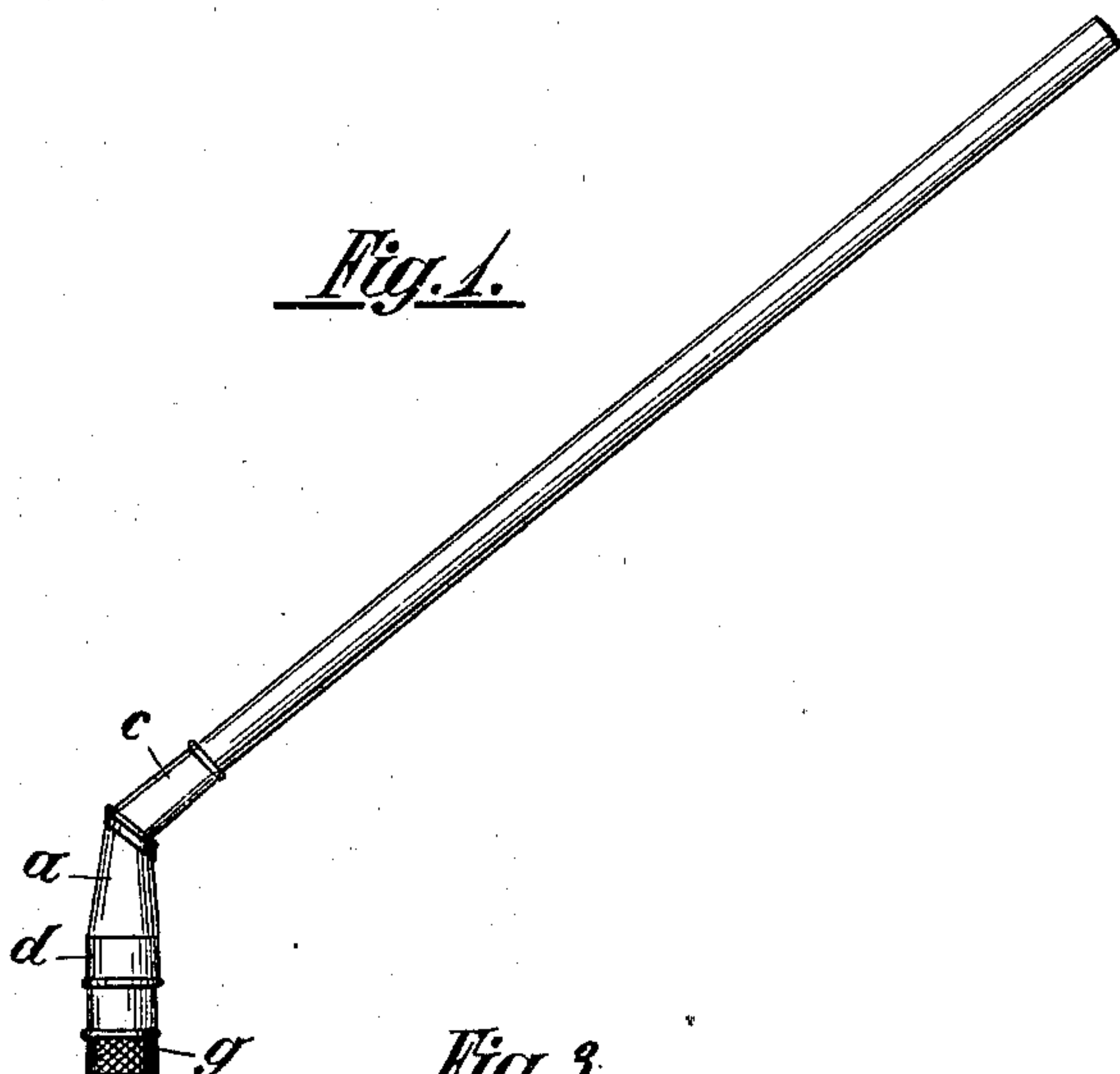


Fig. 3.

Fig. 2.

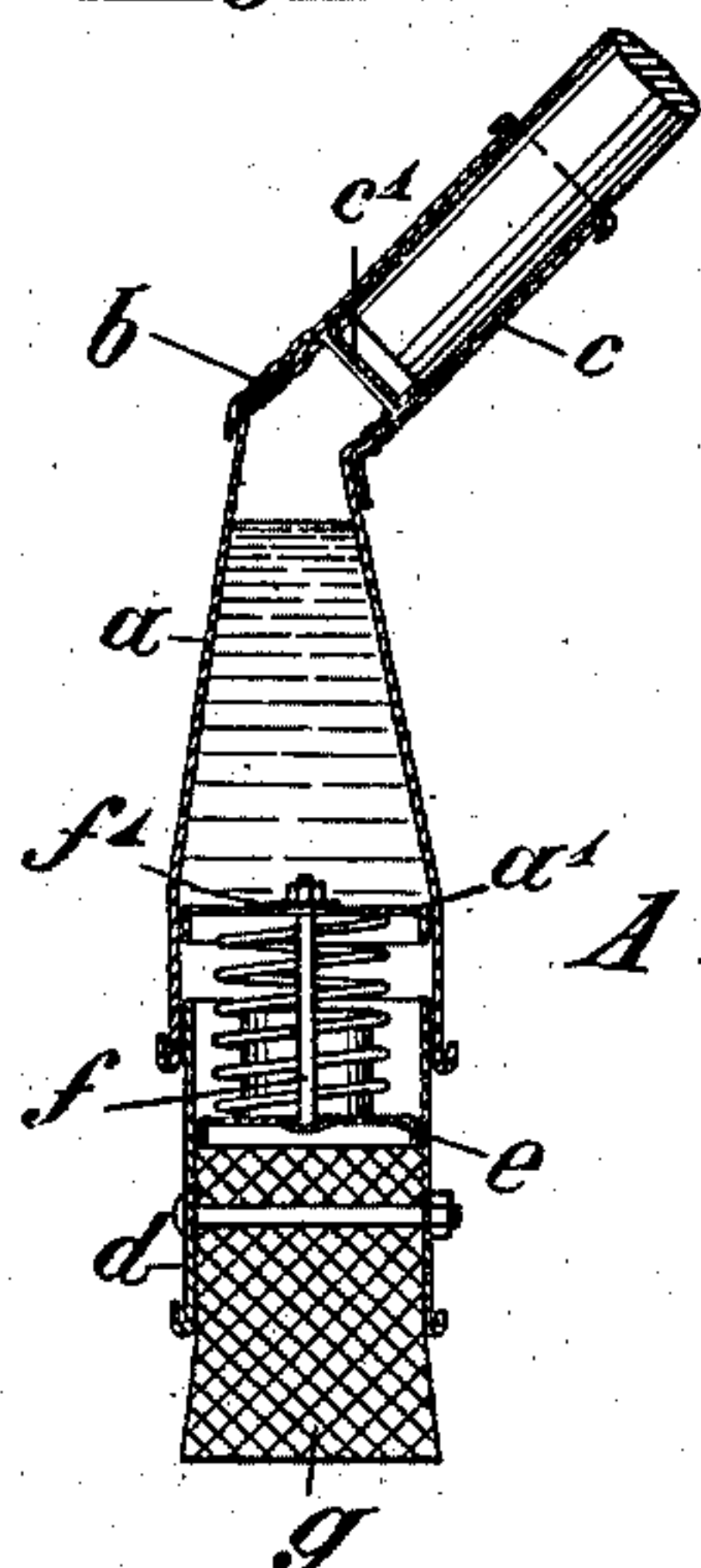


Fig. 4.

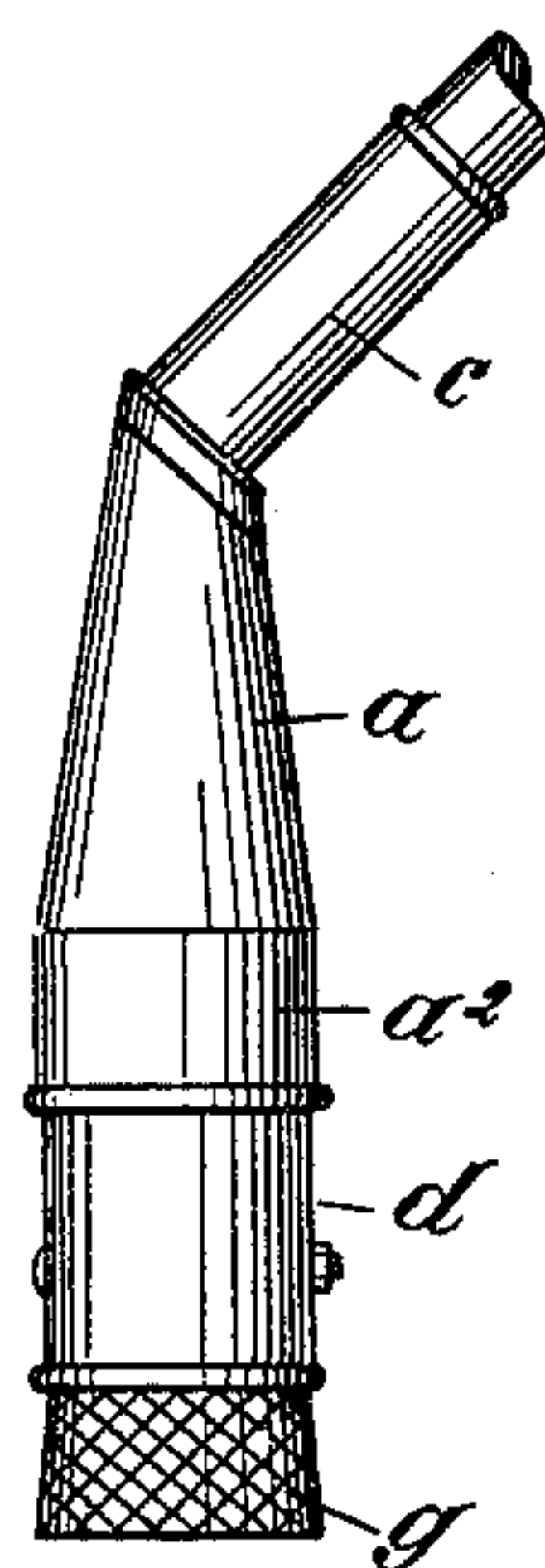
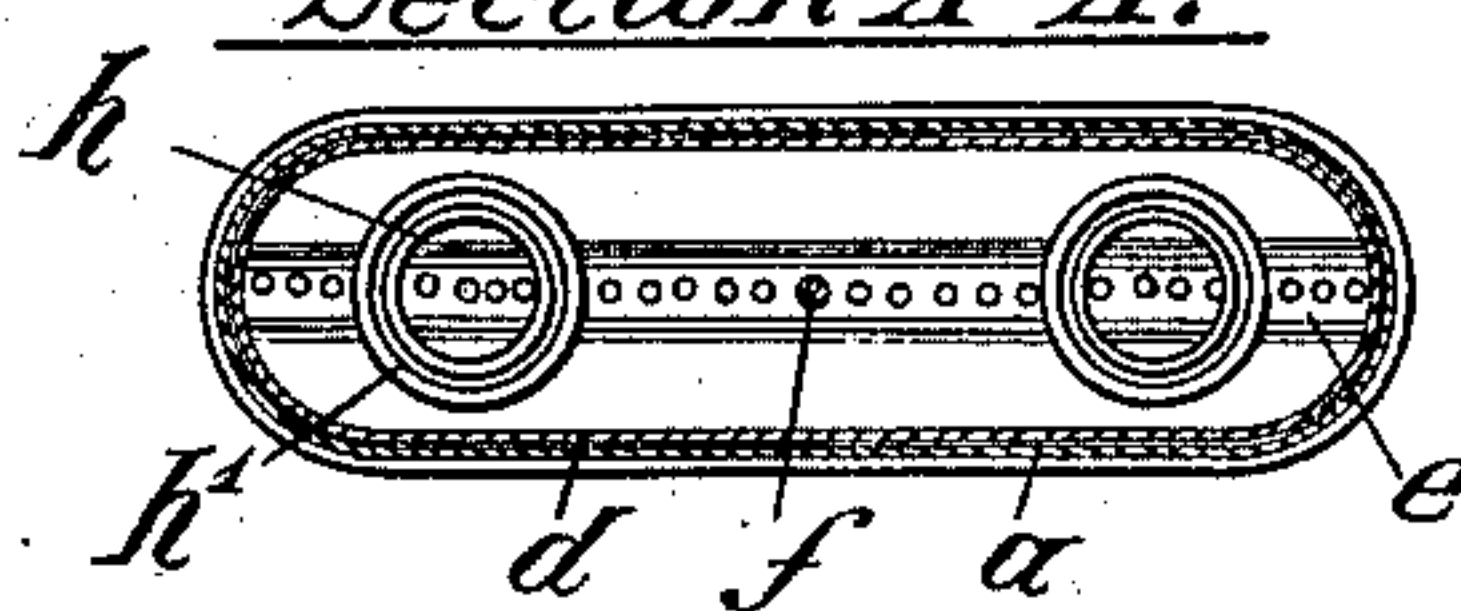


Fig. 5.
Section A-A.



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UNITED STATES PATENT OFFICE.

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FLOOR POLISHER OR OILER.

SPECIFICATION forming part of Letters Patent No. 733,098, dated July 7, 1903.

Application filed June 11, 1902. Serial No. 111,179. (No model.)

To all whom it may concern:

Be it known that I, CILLI WEIL, a citizen of the German Empire, residing at Laupheim, in the Kingdom of Württemberg, Germany, have invented certain new and useful Improvements in Floor Polishers or Oilers, of which the following is a description, reference being had to the accompanying drawings and to the letters of reference marked thereon.

This invention has for its object an economical oil-polishing apparatus for use in oiling floors, in which apparatus the oil can only run out of the container and saturate the felt when under a considerable pressure, while for the purpose of polishing the polisher merely comes into action at a medium pressure without being continuously saturated. If no pressure is exerted on the polishing-felt, the oil-supply is of course entirely cut off. By this arrangement the discharge of oil from the vessel and the saturation of the polisher may be regulated at the will of the person using it without the employment of a separate adjusting device, which was not the case with the arrangements hitherto adopted.

The object of the invention is shown in the accompanying drawings, in which—

Figure 1 is an elevation of the apparatus as a whole; Fig. 2, a vertical longitudinal section, and Fig. 3 a cross-section; Fig. 4, a side view, and Fig. 5 a section on the line A A of Fig. 3.

The container *a* is a horizontal vessel tapering toward the top to a tube having a threaded attachment *b*, which may be screwed on a holder or socket *c*, the lower part of which socket is provided with an insertion-plate *c'*, which forms the means for closing the upper end of the oil vessel *a*, while the upper part of the socket *c* is used for the attachment of the handle. The flat tapering receptacle *a* is closed beneath by a plate *a'* and is formed beyond this plate into a regular round or elongated holder *a''*, in which a second container *d*, having a perforated partition *e*, is mounted so as to slide.

At the upper end of a rod *f* a washer-plate or collar *f'* is arranged. When this plate rests on the wall *a'*, the flow of oil from the vessel *a* to the vessel *d* is shut off. When, however, the rod *f* projects farther into the vessel, the oil flows out through the small opening under the plate *f'* in the plate *a'* and into the vessel *d*, escaping through the perforations of this vessel and saturating a disk or layer of felt *g*, inserted beneath the insertion-plate in the vessel *d*. The outlet-opening of the oil-wall *a'* is constantly held closed by means of strong spiral springs *h'*, arranged between the walls *a'* and *e* around pins *h*, so that the discharge of the oil can only take place when the pressure of the spring is overcome. Now it is evident without further explanation that if only a slight pressure be exerted the discharge of oil will also be slight, but it will also increase with an increased pressure on the floor. In order to still further regulate this discharge of oil, a conical valve-seat may be formed in the plate *a'*, in which case the disk valve *f'* may be formed as the conical valve.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

A floor polisher or oiler comprising the oil-reservoir having a threaded filling-tube *b*, and a handle-socket *c* threaded at its lower end to screw on the tube *b*, and provided with a partition *c'* between its ends to close the tube *b*; that portion of the socket above the partition serving to receive the end of a handle, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CILLI WEIL.

Witnesses:

JONAS WEIL,
WALTER SCHWAEBSER.