

No. 654,486.

Patented July 24, 1900.

O. PEDERSON.
LENS POLISHER.

(Application filed Dec. 20, 1899.)

(No Model.)

Fig. I.

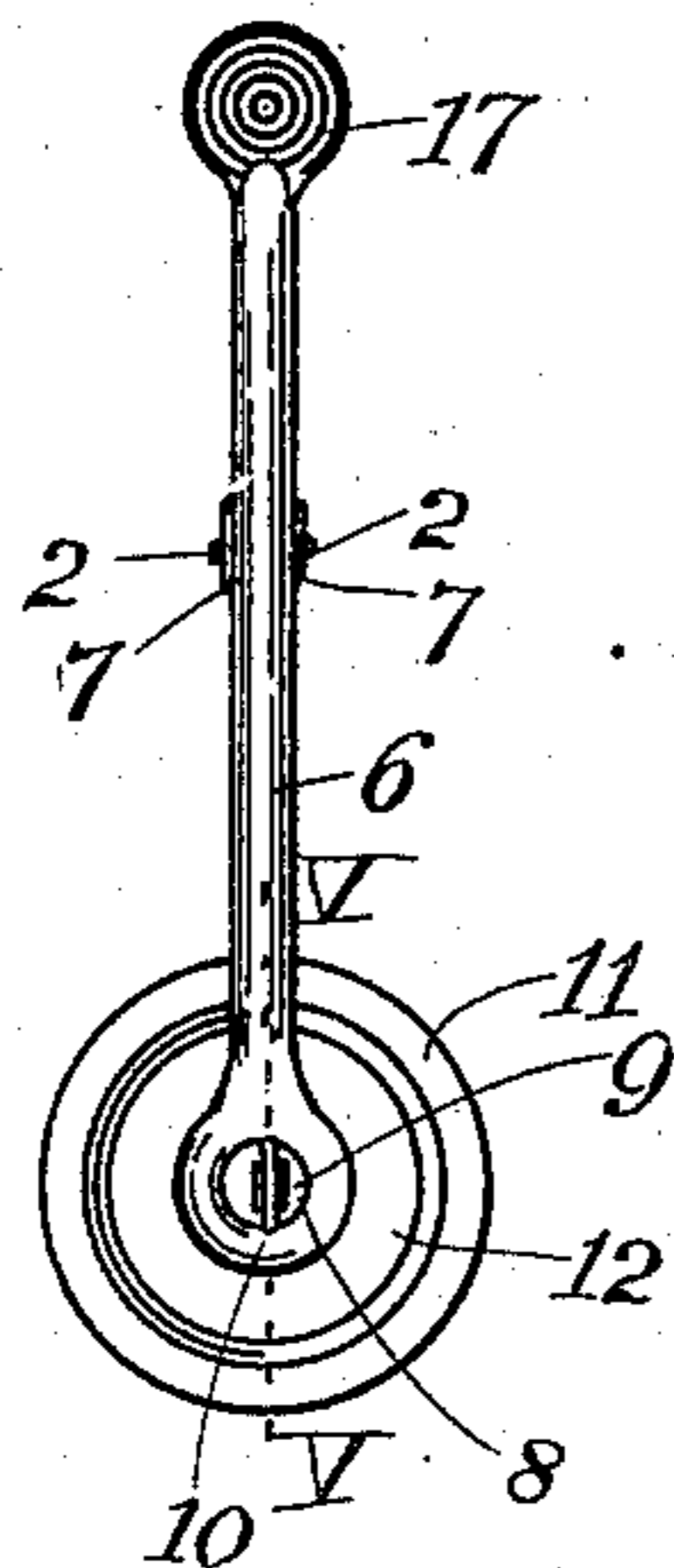


Fig. II.

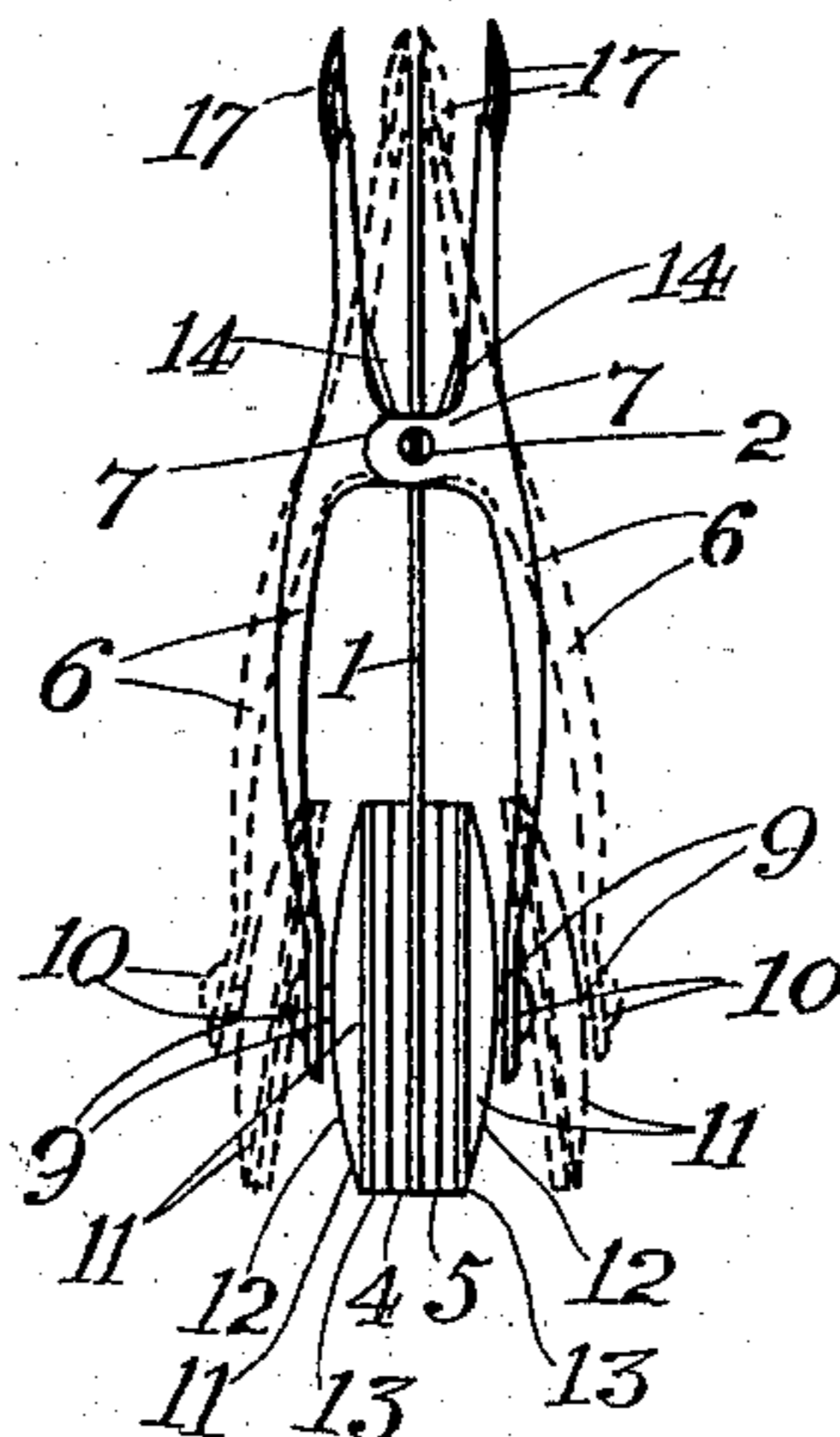


Fig. III.

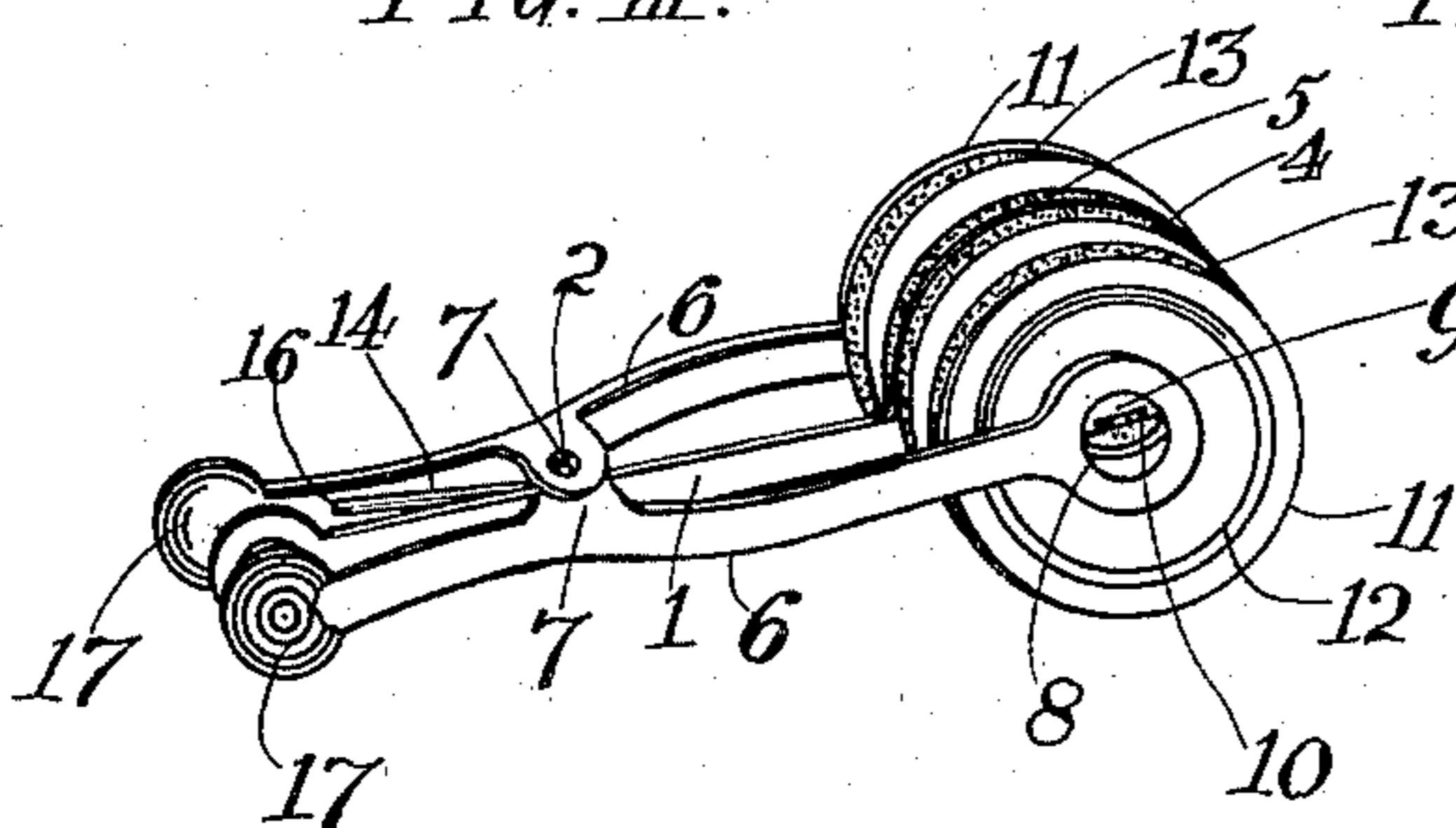


Fig. IV.

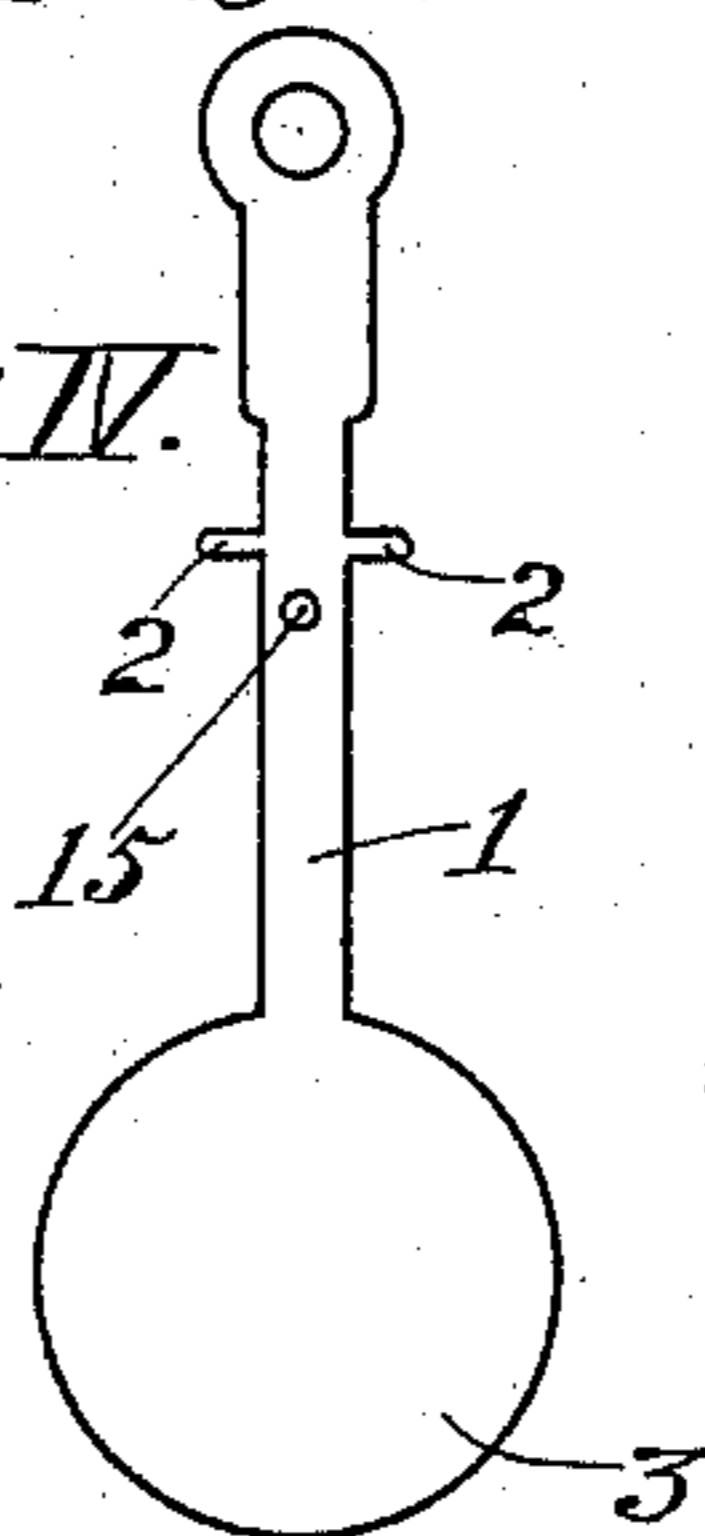
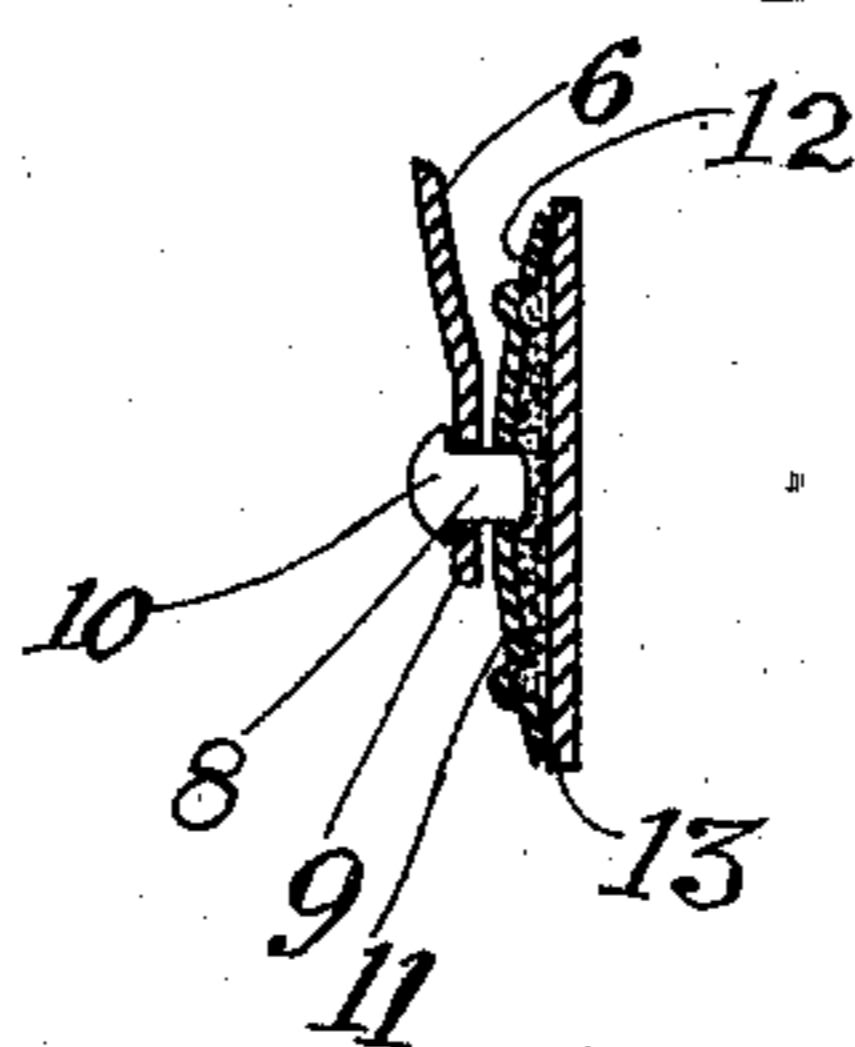


Fig. V.



Witnesses.
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UNITED STATES PATENT OFFICE.

OLE PEDERSON, OF LOS ANGELES, CALIFORNIA, ASSIGNOR OF ONE-HALF
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LENS-POLISHER.

SPECIFICATION forming part of Letters Patent No. 654,486, dated July 24, 1900.

Application filed December 20, 1899. Serial No. 740,998. (No model.)

To all whom it may concern:

Be it known that I, OLE PEDERSON, a citizen of the United States, with residence and post-office address at Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Lens-Polishers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved device for polishing lenses, spectacles, and kindred articles; and my invention consists in features of novelty hereinafter described and claimed.

Figure I is a side elevation of my improved device. Fig. II is a front elevation showing the polishing-pads separated in dotted lines. Fig. III is a perspective view. Fig. IV is a side elevation of the central bar and its pad-holding disk. Fig. V is a section taken on line V V, Fig. I.

Referring to the drawings, 1 represents a centrally-located bar having integral pins 2 extending outwardly from its edges, one end of said bar being formed in the shape of a disk or plate 3.

4 5 represent polishing-pads secured to the disk 3 and on each side of the same.

6 represents side arms having ears 7, said ears 7 being pivoted to the pins 2 on the central bar 1. One end of the said arms 6 is provided with orifices 8, through which extend pins or rivets 9, said pins being provided with enlarged heads 10, which prevent their passage through the orifices 8, the orifices 8 being somewhat larger than the body of the pin, permitting a certain amount of play of the pins in the orifices. The orifices being somewhat elongated and the pins flattened prevent the turning of the pins in the orifices beyond a limited extent.

11 represents buttons secured rigidly to the inner ends of the pins 9, the buttons 11 preferably having an outer convex surface, as shown at 12, so as to permit their rocking on their bearings in the said arms 6.

13 represents polishing-pads secured to the inner face of the buttons 11. The polishing-pads are preferably made of chamois or other suitable material, one of the pads 4 5 being of finer texture, so as to form a finishing-polish to the lens or other article being cleaned

or polished. The pads 13 are made of the same material and fineness as the inner pads.

14 represents a spring which extends through an orifice 15 in the central bar 1 and has its free ends bearing against the side arms 6, as shown at 16, said spring normally holding the respective pads in contact with each other, but which may be compressed by pressing upon buttons 17 on the ends of the said arms 6, thus throwing the polishing-disks apart, as shown in dotted lines, Fig. II, said spring bringing the necessary amount of pressure to bear upon the lens when being polished without the necessity of any additional pressure from the fingers of the operator, the play of the pins 9 in the orifices 8 permitting the outer pads to oscillate and adjust themselves to the position and shape of the lens during the operation of cleaning and polishing.

I claim as my invention—

1. In a lens-polisher, the combination of pivoted arms, suitable buttons, a polishing-pad secured to said buttons, orifices in the arms and pins resting in and fixed against turning in said orifices and means for securing the buttons to said pins, substantially as set forth.

2. In a lens-polisher, the combination of a central bar having polishing-pads secured thereto, side arms having pivotal connection with said central bar, and polishing-pads connected with said side arms corresponding in position to the pads on the central bar, substantially as set forth.

3. In a lens-polisher, the combination of a central bar having polishing-pads connected therewith, side arms pivoted to said central bar and polishing-pads having a self-adjustable connection with said side arms and corresponding in position to the pads on the central bar, substantially as set forth.

4. In a lens-polisher, the combination of a central bar having polishing-pads connected therewith, pins on said bar, side arms having ears pivoted to said pins, a spring interposed between the central bar and said arms and suitable polishing-pads on said side arms corresponding in position to the pads on said central bar, substantially as set forth.

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