

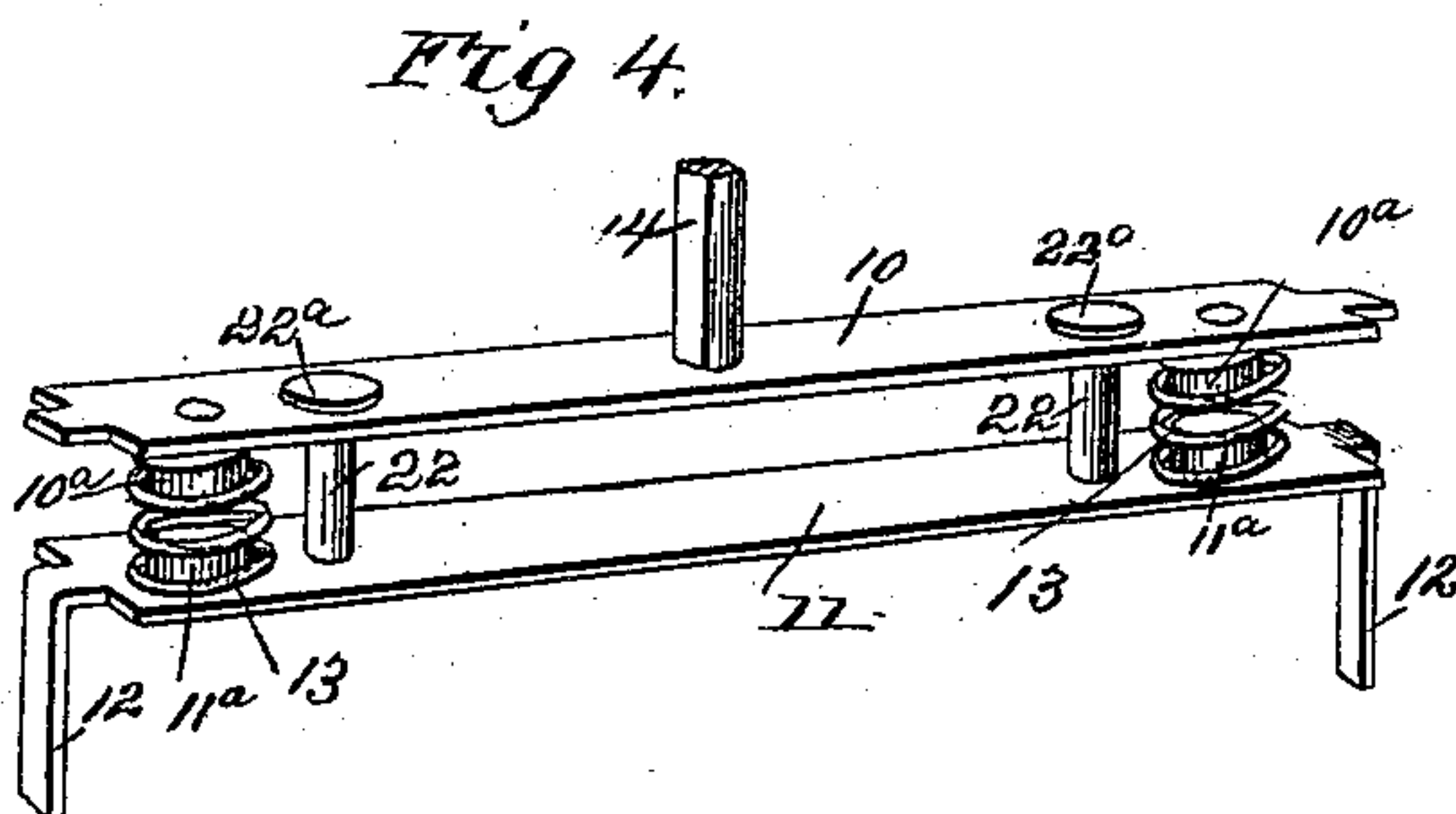
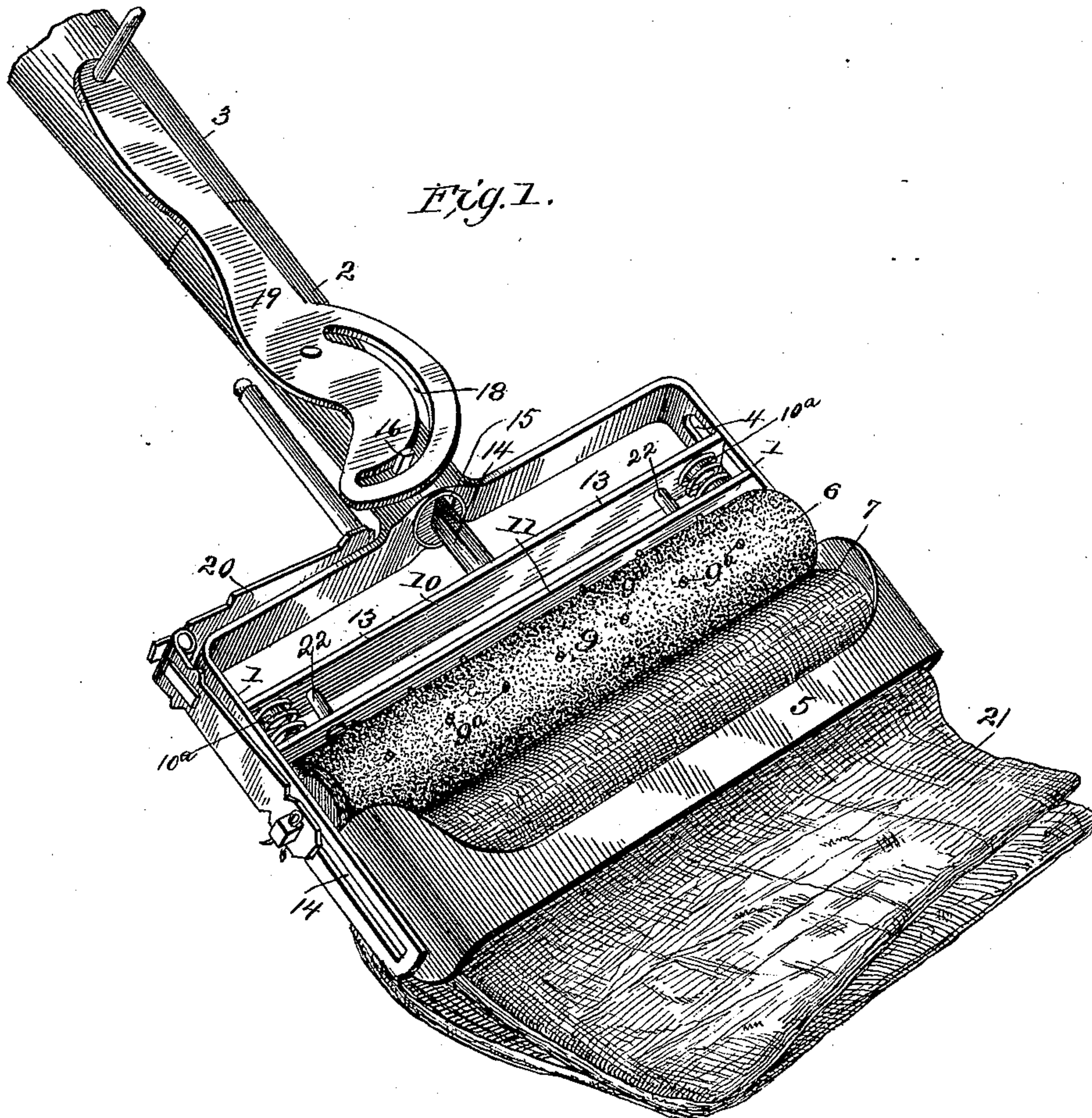
(No Model.)

2 Sheets—Sheet 1.

C. L. WESTBROOK.
MOP AND WRINGER.

No. 419,387.

Patented Jan. 14, 1890.



WITNESSES:

Fred G. Dieterich
Joe A. Ryan

INVENTOR

Carrington L. Westbrook.

BY

Wm. L.

ATTORNEY

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Fig. 2.

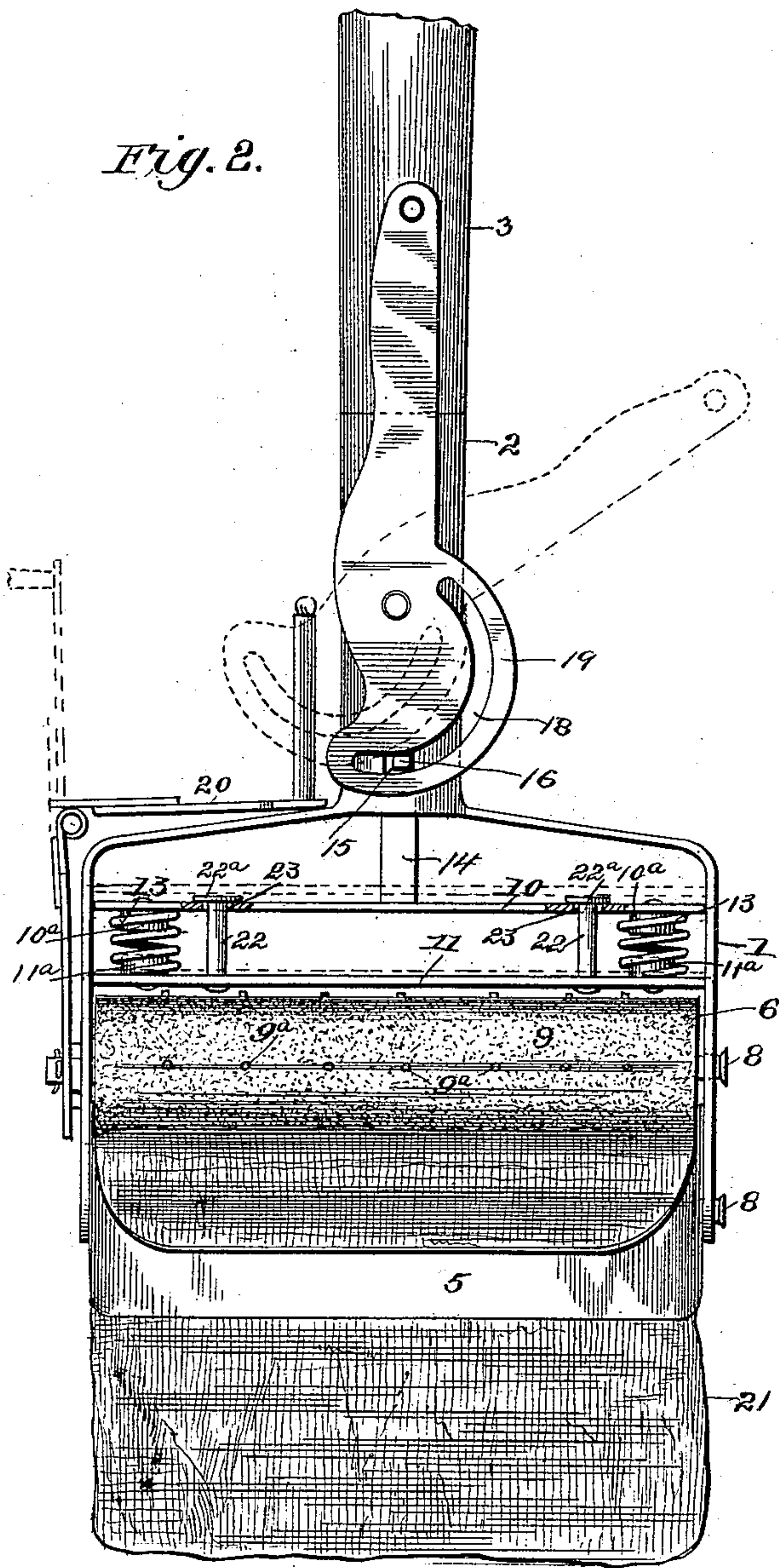
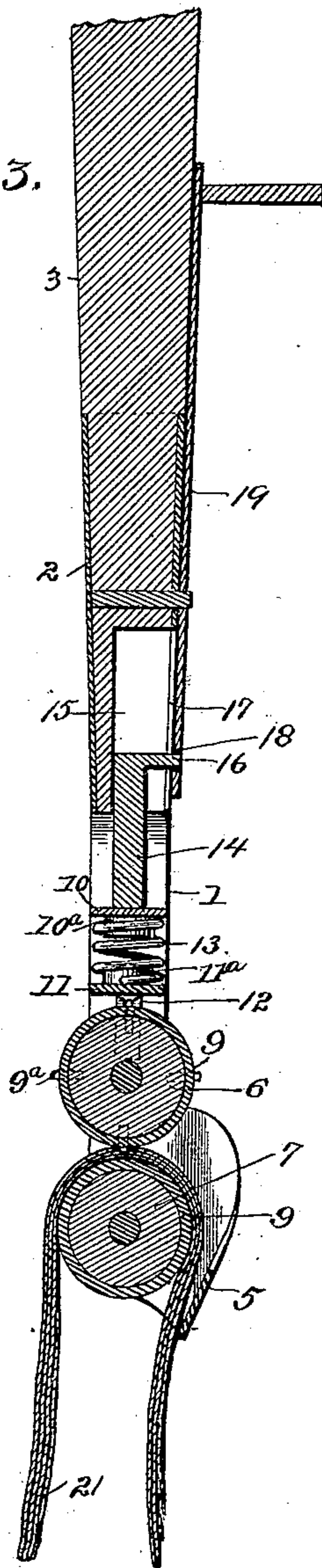


Fig. 3.



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UNITED STATES PATENT OFFICE.

CARINGTON L. WESTBROOK, OF REYNOLDS, INDIANA.

MOP AND WRINGER.

SPECIFICATION forming part of Letters Patent No. 419,387, dated January 14, 1890.

Application filed August 3, 1889. Serial No. 319,617. (No model.)

To all whom it may concern:

Be it known that I, CARINGTON L. WESTBROOK, of Reynolds, in the county of White and State of Indiana, have invented a new and useful Improvement in Combined Mop and Wringer, of which the following is a specification.

My invention consists in a new and improved combined mop and wringer, which will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a perspective view. Fig. 2 is a front view of the same. Fig. 3 is a central vertical longitudinal section, and Fig. 4 is a detail perspective hereinafter referred to.

The same numerals of reference indicate corresponding parts in all the figures.

Referring to the several parts by their designating-numerals, the frame of my combined mop and wringer is formed with the parallel arms 1 1 and the central ferrule 2 at the top of the frame, in which the end of the mop-handle 3 fits. The parallel arms 1 are formed with the longitudinal slots 4, and the lower ends of the arms are connected by an inclined guard 5, which serves to hold the cloth in place, as shown in Fig. 1.

6 indicates an upper and 7 a lower roller, these rollers being held in place in the frame by pivot-screws 8 in their ends fitting in the longitudinal slots 4 of the arms 1. These two rollers are covered with cloth 9, or any other suitable yielding material, so as to give a yielding surface, which will thoroughly wring the water from the mop-cloth, and the rollers are provided with the teeth 9^a, extending along them in rows from end to end and projecting through the cloth covering 9 of the rollers. These rows of feed-teeth 9^a serve to carry the mop-cloth evenly and regularly through between the rollers.

In the upper part of the frame above the upper roller are placed two flat parallel bars 10 11, the reduced shouldered ends of the upper bar 10 sliding in the arm-slots 4, while the reduced ends 12 of the lower bar 11 are bent down at right angles and slide in the arm-slots 4, with their lower free ends resting on the end journals of the upper roller, for the purpose of preventing the lower bar from touching against the surface or binding the upper roller, as will be readily seen. To the

lower bar 11 are secured the lower ends of bolts 22 22, which pass up through holes 23 23 in the upper bar 10 and have heads 22^a upon their upper ends. These bolts permit the bars to separate far enough and yet raise the lower bar with the upper when the latter is raised. Between the bars 10 11 are placed the spiral springs 13 13, the ends of which fit around projections 10^a and 11^a on the inner side of the upper and lower bars, and the springs are thus held in place, and the upper bar 10 has a bolt 14 secured to it centrally by one end. This bolt passes up through a slot 15 in the end of the handle 3, and has a projection 16 at its upper end, which passes out through a longitudinal slot 17 in the ferrule 2 and through a curved slot 18 in a cam-lever 19. This cam-lever 19 is pivoted on the ferrule above the slot 17, as shown, and it will be seen that when the handle of the lever 19 is brought up alongside the handle the plates 10 and 11 will be pressed down, and the ends 12 of the lower plate, being in contact with the journals of the upper roller, will press the two cloth-covered rollers firmly together. A crank 20 is secured at its lower end to the squared end of one end journal of the upper roller and is hinged at its center, so that it can be folded in out of the way when not in use, as shown in Fig. 1.

In use the cloth 21 is folded to the proper length and placed between the rollers 10 11, the cam-lever 19 being turned down to the side, as shown, to separate the rollers to allow the cloths to pass between them, the cloth passing under the guard 5, as shown, so that it completely covers the lower roller. The cam-lever being turned up to press the rollers tightly together, the mop is used with hot water and soap for cleaning the floor, taking out grease and other stains without injury to the elastic roller-coverings, the cloth 21 receiving all the grease and other stains and effectually protecting the lower roller, as can be clearly seen.

To wring out the cloth 21, all that is necessary is to turn the crank 20, which revolves the upper roller and also the lower roller as the two are pressed tightly together, and the pressure between the two cloth-covered rollers is sufficient to effectually wring the mop-cloth 21, which is run between them as they

revolve. The springs 13 between the bars 10 and 11 serve to hold the rollers evenly together and yield to any unevenness in the mop-cloth.

5 It will be seen that it is not necessary to wet or soil the hands in wringing the cloth and adjusting the machine, while by the use of my invention the floor can be cleaned in one-fourth the time required when using a
10 broom.

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

1. In a mop, the combination, with the
15 frame, of the rollers journaled therein, covered with cloth, and having the feed-teeth projecting beyond the cloth covering in longitudinal rows, substantially as set forth.

2. The combination of the frame having
20 the slotted arms and the guard secured to their lower ends, the upper and lower rollers having the end journals fitting in the arm-slots, the mop-cloth, the upper and lower bars adapted to be raised and lowered and having
25 the reduced ends sliding in the arm-slots, the springs arranged between the said bars, and the crank secured upon the end journal of the upper roller, substantially as set forth.

3. The combination of the frame having the slotted arms, the upper and lower rollers 30 having the end journals fitting in the arm-slots, the lower bar having the reduced ends, the headed bolts 22, and the projections 11^a, and the upper bar having the reduced ends, the holes 23, and the projections 10^a, and the 35 springs 13, and adapted to be raised and lowered, substantially as set forth.

4. The combination of the frame having the slotted arms and the slotted ferrule, the guard secured to the lower ends of the slotted 40 arms, the mop-cloth, the handle having the end slot, the rollers having the end journals, the lower bar having the bent reduced ends, the upper bar having the reduced ends and the central bolt formed with the end projec- 45 tion, the springs arranged between the said bars, the headed bolts 22, the cam-lever pivoted on the ferrule and formed with the curved slot, and the roller-crank, substantially as set forth.

CARINGTON L. WESTBROOK.

Witnesses:

ACHBER N. McCAMPBELL,
WILLIAM F. GOWGEL.