

No. 756,042.

PATENTED MAR. 29, 1904.

E. C. MURDICK.
CARPET SWEEPER.

APPLICATION FILED JUNE 29, 1903.

NO MODEL.

Fig. 1.

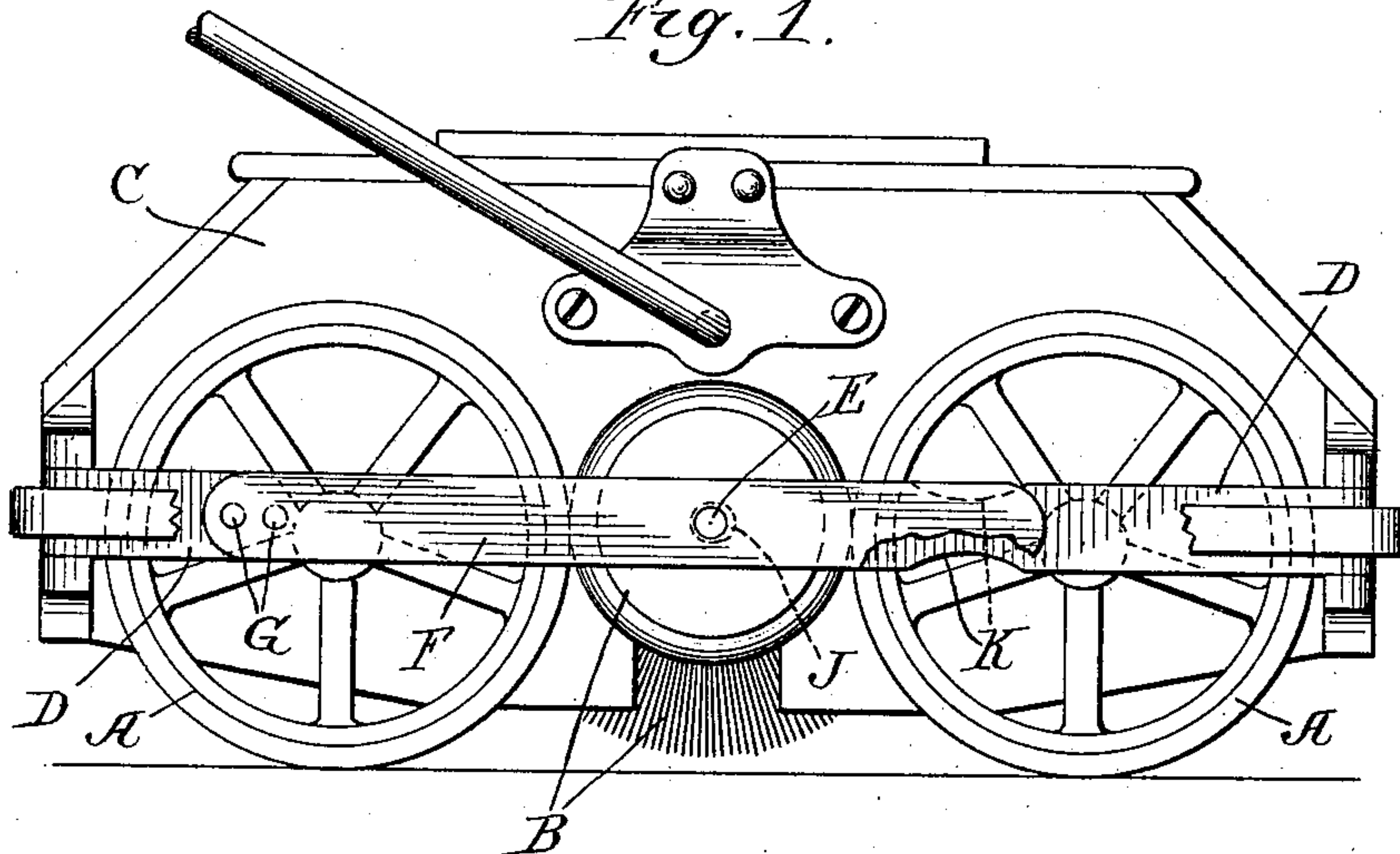


Fig. 2.

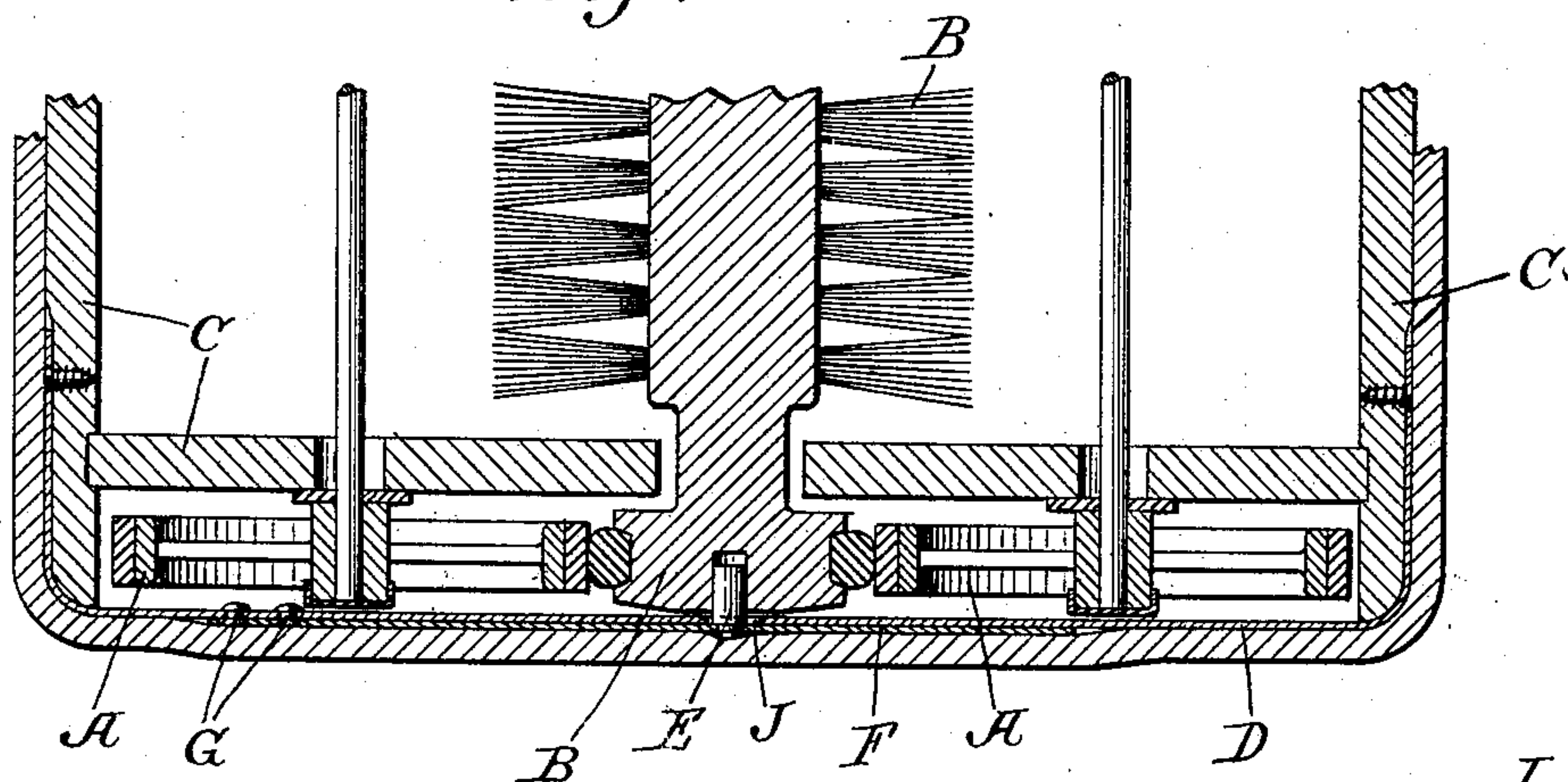


Fig. 3.

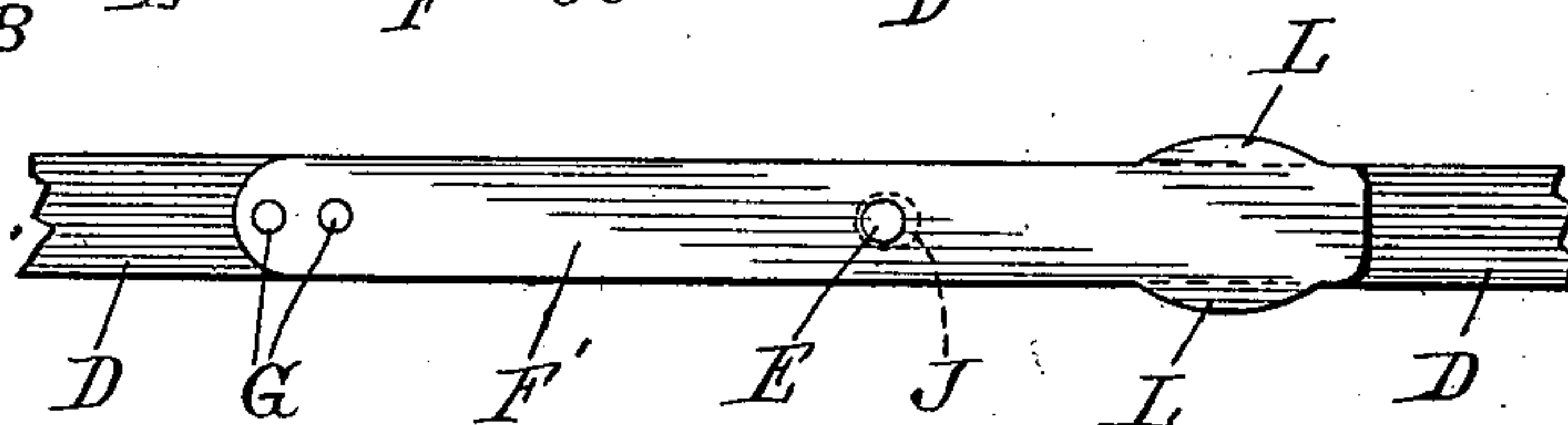
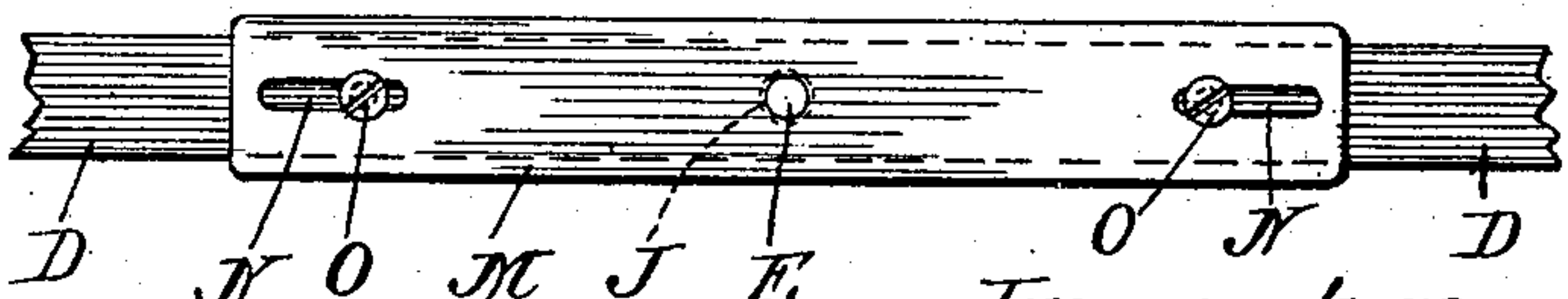


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

EVERETT C. MURDICK, OF MARION, INDIANA, ASSIGNOR TO PHILIP MATTER AND BENJAMIN F. BURK, COPARTNERS DOING BUSINESS AS NATIONAL SWEEPER COMPANY, OF MARION, INDIANA.

CARPET-SWEEPER.

SPECIFICATION forming part of Letters Patent No. 756,042, dated March 29, 1904.

Application filed June 29, 1903. Serial No. 163,497. (No model.)

To all whom it may concern:

Be it known that I, EVERETT C. MURDICK, a citizen of the United States, residing at Marion, in the county of Grant and State of Indiana, have invented a certain new and useful Improvement in Carpet-Sweepers, of which the following is a specification.

My invention relates to carpet-sweepers, and has for its object to provide simple and convenient means for detaching the brush from the end bands. To do this effectually, it is highly desirable that there should be no projecting parts to injure the furniture or wood-work of the room in which the carpet-sweeper is used.

My invention is illustrated in the accompanying drawings, wherein—

Figure 1 is an end view of a sweeper with one form of my invention attached. Fig. 2 is a horizontal section, and Fig. 3 is a detail, of a modification. Fig. 4 is an end view of a further modification.

Like parts are indicated by the same letter in all the figures.

A A are the sweeper-wheels, and B the brush, and C the case.

D is the end band, which may or may not be continued around the case. Ordinarily the axes of the wheels and the brush lie in the same plane as this band. The band is preferably made of metal more or less elastic and is provided with an inwardly-projecting pin on which the brush rotates, receiving the same in a socket at its end. Obviously it would be difficult with such a construction to get the brush out, for the metal band, though elastic, is not sufficiently so to permit the easy removal of the brush. E is such a pin rigidly attached to the spring-piece F, which is secured by the two rivets G G to the metal band D. This metal band is perforated at J to let the pin pass through. The spring-piece F lies snug against the band D, and the two rivets G G prevent it from getting out of position. The band D may be cut away, as indicated by dotted lines at K K, or the spring-piece F may be wider than the band through-

out its length or at some particular point, as indicated at L L. In either case it is possible to grasp the free end of the spring-piece F and pull it outwardly, thus drawing the pin out of the socket in the end of the brush and freeing the brush.

In the modified form of the device shown in Fig. 4, M is a relatively long spring-piece slotted at N N and held to the band D by the screw-heads O O. It also carries the pin E. It should in like manner be relatively wider than the band D, so that it can be grasped and sprung outwardly in the middle to free the pin.

I do not wish, of course, to be limited to the precise forms, shapes, and proportions shown, as my drawings are intended simply to present views of one general form of my invention.

The use and operation of my invention are as follows: In any of the constructions shown it is only necessary when the brush is to be inserted or removed to pull outwardly the spring-piece F, whereupon the pin E is carried with it and is thus freed from the brush or retracted to a position which permits the brush to be inserted. When the spring-piece F is released, the pin E is restored to its original position and the parts are supported in operative relation.

I claim—

1. In a carpet-sweeper, the combination of a case with an end band, a brush with an end socket and a flat spring-piece lying along the end band, carrying a pin to be received into such socket, said spring-piece being free at one end.

2. In a carpet-sweeper, the combination of a case with an end band, a brush with an end socket and a flat spring-piece lying along the end band and carrying a pin to be received in said socket, said spring-piece being wider than the band at some point.

EVERETT C. MURDICK.

Witnesses:

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