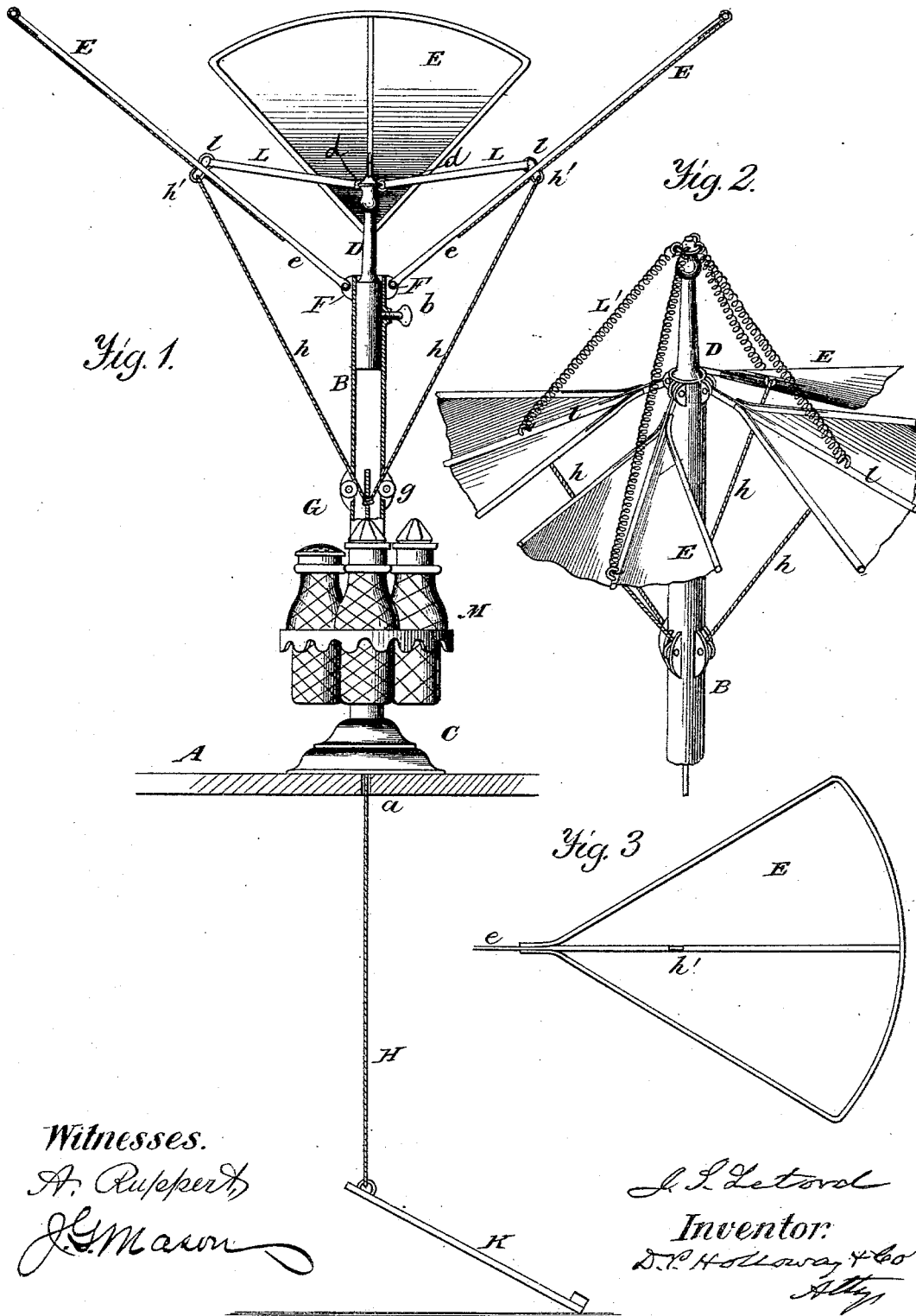


J. S. LETORD.
 Combined Fan and Caster.

No. 210,791.

Patented Dec. 10, 1878.



Witnesses:
 A. Rupert,
 J. S. Mason

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 Inventor:
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 Atty

UNITED STATES PATENT OFFICE.

JOSEPH S. LETORD, OF NEVADA, MISSOURI.

IMPROVEMENT IN COMBINED FAN AND CASTER.

Specification forming part of Letters Patent No. **210,791**, dated December 10, 1878; application filed October 21, 1878.

To all whom it may concern:

Be it known that I, JOSEPH S. LETORD, of Nevada, in the county of Vernon and State of Missouri, have invented certain new and useful Improvements in Combined Fan and Caster; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is an elevation, partially in section. Fig. 2 is a perspective view of the standard and fans. Fig. 3 is a plan view of one of the fans.

The same letters are used in referring to identical parts of the drawings.

My invention relates to combined fan and caster; and consists in constructing them to be operated by a foot-pedal in connection with elastic bands or springs, as will more fully appear in the following description.

A is a sectional view of one of the service-boards of a table. *a* is an aperture in the same. B is a tubular standard. C is a circular pedestal-formed base attached to this stem B to give it stability in a vertical position. D is a stem inserted into the upper end of the standard B, and its vertical position made adjustable by means of the thumb-screw *b*, passing through the standard B and engaging it. E are fans, constructed with a stem, *e*, perforated to receive the pin of the joint, by which they are attached to the standard B. F are projections on the standard, formed to serve as a joint to receive the stems *e* of the fans. G are similar projections, formed on or attached to the standard B at a point sufficiently above the cruet of the caster M to be above and out of the way in using the cruet, to receive the friction-rollers *g*, which are located over apertures in the standard, through which the cords

b pass. H is a cord, which extends from the pedal K upward through the aperture *a* of the service-board of the table, over which the hollow part of the standard B is placed, and terminates in its attachment with the cords *b*, which are attached to the frame of the fans at *h'*. L are elastic bands, which are attached to the fans at *l* and to the stem D at *d*; or they may be made of spiral or other springs, as shown at L', Fig. 2. By adjusting the stem D to a higher or lower position the tension of the springs is increased or diminished, and as a consequence the vigor of the fanning is regulated.

The pedal K may be constructed of a rocking-frame form, and so extended that any person sitting at the table may at will operate the fans. A cruet-frame or caster, M, is attached to the standard B, so as to rotate at will, as is common with them.

What I claim as new, and desire to secure by Letters Patent, is—

1. The standard B, constructed with the projections F and G, in combination with the fan-stems *e* and the rollers *g*, constructed and operating together as and for the purposes substantially as described.

2. The pedal K, in combination with the cords H and *h* and the fans E, constructed and operating together as and for the purposes substantially as described.

3. The standard B, in combination with the caster M, the adjustable stem D, and the elastic bands L, constructed and operated together as and for the purposes substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

J. S. LETORD.

Witnesses:

C. R. WOOD,
L. H. CALLAWAY.