B. J. FELDMAN & T. SCHLAG.

Fly-Fan.

No. 213,644 Patented Mar. 25, 1879.

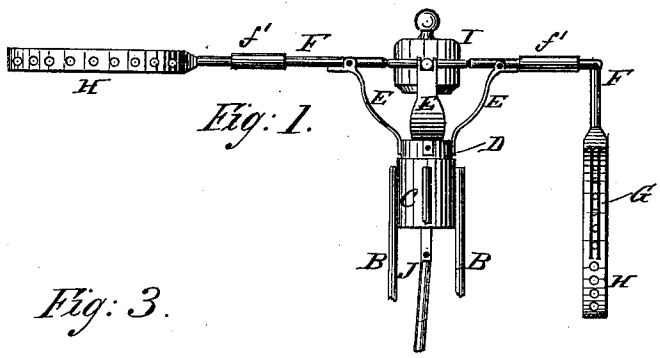
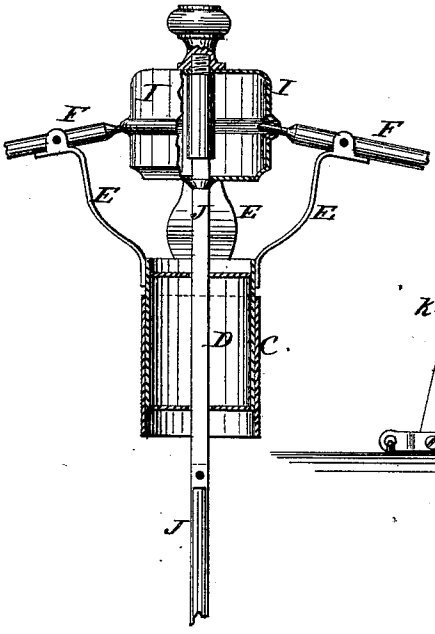


Fig: 1.

Fig: 3.



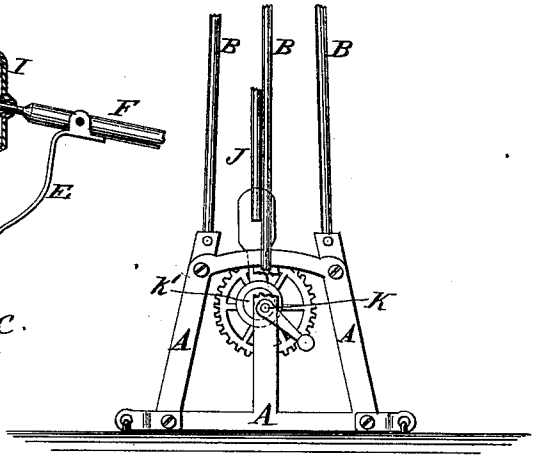
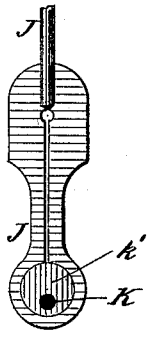


Fig: 4.



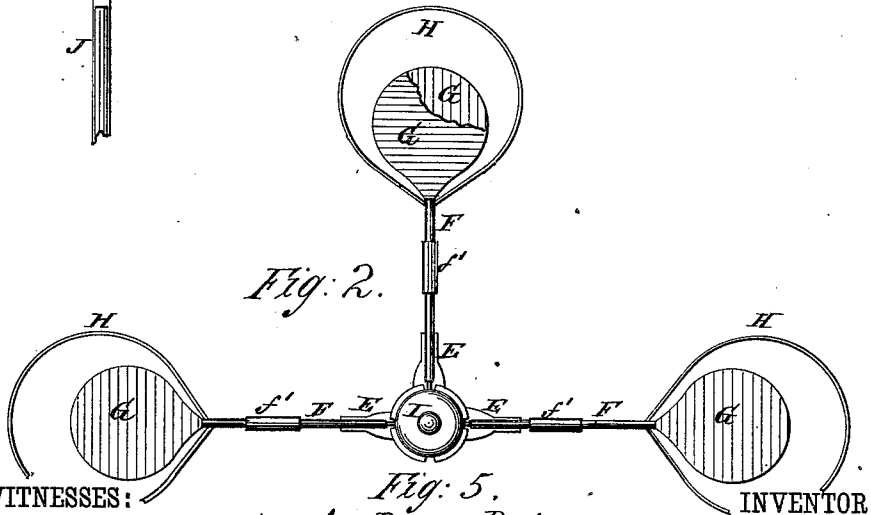
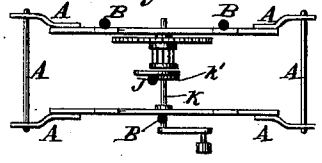


Fig: 2.

Fig: 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

BERNARD J. FELDMAN AND THEODORE SCHLAG, OF FRANKLIN, PA.

IMPROVEMENT IN FLY-FANS.

Specification forming part of Letters Patent No. **213,644**, dated March 25, 1879; application filed December 28, 1878.

To all whom it may concern:

Be it known that we, BERNARD J. FELDMAN and THEODORE SCHLAG, of Franklin, in the county of Venango and State of Pennsylvania, have invented a new and useful Improvement in Fly-Fans, of which the following is a specification:

Figure 1 is a side view of our improved fly-fan, part being broken away to show the construction. Fig. 2 is a top view of the same. Fig. 3 is a detail sectional view of the upper part of the same enlarged. Fig. 4 is a detail view of the lower part of the connecting-rod. Fig. 5 is a detail top view of the lower part of the frame.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved fan for keeping the flies away from a table or other place, and which shall be simple in construction and ornamental in appearance.

The invention consists in the combination of the fans or feather-holders, the levers, the head, the rod, and the cam or crank shaft with each other and with the frame or pedestal and the driving mechanism, as hereinafter fully described.

A is the base-frame of the machine, to which are attached the lower ends of three rods, B. The upper ends of the rods B are attached to a short tube, C, in which is inserted another short tube, D. To the tube D are attached, or upon it are formed, four arms, E, to the ends of which are pivoted four levers, F.

The frame-work A B C D E is shown simply as a support for the operating parts of the device, and, in practical use, will be replaced by an ornamental pedestal.

To the outer ends of the levers F are attached two parallel circular or oval plates, G, which are surrounded with ring-bands H, attached to the levers F. The bands H have a number of holes formed through them, through which are passed feathers. The ends or stems of the feathers are inserted in the space between the plates G, where they are secured in place by cement. The central feathers should be the longest, and they should gradually decrease in length toward the sides. The levers F are designed to be made with a joint, which, when the fans are in use, may be made rigid by tubes *f'* slid upon them, as shown in Figs. 1 and 2.

The inner ends of the levers F are pivoted to an ornamental head, I, formed upon or attached to the upper end of the rod J, which passes down through the frame-work or pedestal of the device, and is jointed at its lower end, which is pivoted to a cam or crank, *k'*, formed upon or attached to the shaft K. The shaft K revolves in bearings in the base part of the frame-work or pedestal, and in the drawings is represented as being operated by a crank, but which is designed to be driven by a clock-work.

With this construction, when motion is given to the shaft K the fans G H will be moved up and down with a gentle movement, which will keep the flies away from the table, without giving any annoyance to those sitting around the said table.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination of the fans or feather-holders G H, the levers F, the head I, the rod J, and the cam or crank shaft K *k'* with each other and with the frame-work or pedestal and the driving mechanism, substantially as herein shown and described.

BERNARD JULIUS FELDMAN.
THEODORE SCHLAG.

Witnesses:
CHRISTOPHER W. SMITH,
ALEX. H. MCDOWELL.