

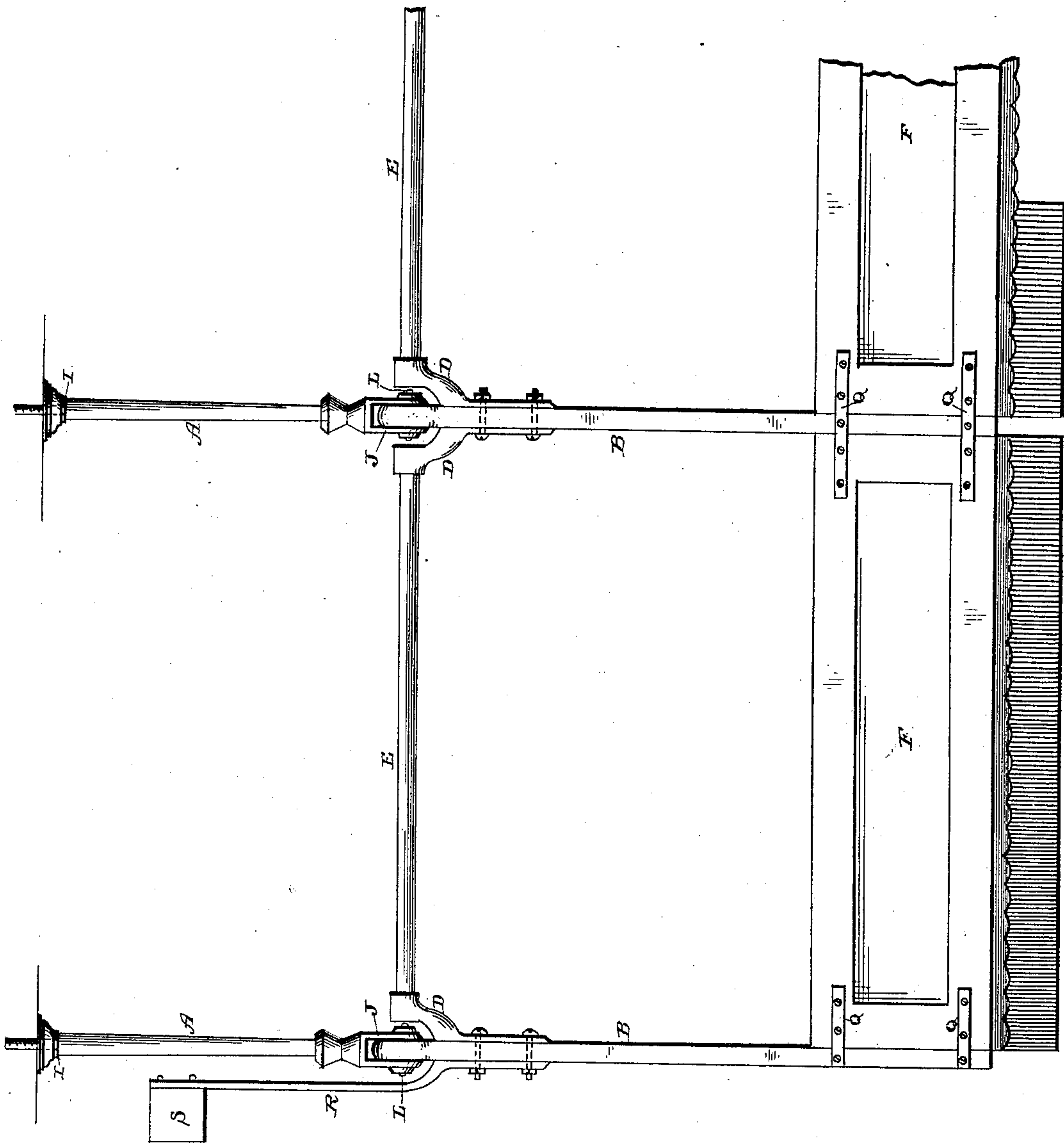
(No Model.)

J. A. MYERS.

FAN.

No. 387,596.

Patented Aug. 7, 1888.



WITNESSES.

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UNITED STATES PATENT OFFICE.

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Application filed April 3, 1888. Serial No. 269,455. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. MYERS, of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Fans; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in fans; and it consists in the combination of suitable hangers or supports, to the lower ends of which the operating levers are pivoted, suitable castings which are rigidly secured to the levers, and to which castings the connecting-rods are secured, so as to transmit motion from one lever to the other, and the fans which are secured to the lower ends of the levers, all of which will be more fully described hereinafter.

The object of my invention is to provide a fan which is to be used over the tops of tables, counters, or other similar places, for keeping away flies and cooling the air, and which is to be made in sections of any desired length, and which sections are made to swing simultaneously.

The accompanying drawing represents a side elevation of a fan embodying my invention.

A represents suitable hangers or supports, which are made screw-threaded at their upper ends, so as to screw into the ceiling, or into any suitable support provided for them for that purpose, and which extend downward a distance corresponding to the height of the ceiling. At any suitable distance below the screws are formed the shoulders I, upon which any ornamental device may be placed for the purpose of making an ornamental finish with the ceiling. The lower end of each hanger or support A is preferably made bifurcated, as shown, and through the two ears J is passed a pivotal rod or bolt, L, upon which the levers B are journaled. The upper ends of the levers B project up in between the ears J, and are prevented by them from having any lateral or uneven movement while in operation. The levers are connected together in pairs by means of connecting-rods E, which have their square or angular ends held by the castings D, which

are secured to the upper ends of the levers B in any suitable manner. The upper ends of these castings D are turned outward sufficiently far to extend around the bearings for the upper ends of the levers B, as shown, and so that the centers of the connecting-rods E will preferably be in a line with the pivots L, upon which the levers turn. When the levers are caused to vibrate by the application of any suitable motive power to them, the rods D transmit motion from one lever to another for any suitable distance. The distance between the levers B will be proportioned entirely to the length of fans desired.

The fans F, which are secured to the lower ends of the levers by means of suitable plates, Q, will be of any suitable design, shape, or finish that may be preferred, and preferably secured to the lower edge of the fans will be a suitable fringe, made of paper or other suitable material, which will hang any desired distance below the fans and assist in driving away the flies.

In case but a single lever is used, Japanese or other suitable fans may be attached thereto in any suitable manner; but where the table or counter over which the fan is placed is of considerable length the fan will be supported between two of the levers, as here shown.

In order to form a counter-balance for the fan and to cause it to swing with a greater force and steadiness, there is secured to one or both of the end levers a casting, R, and to the upper ends of the castings R will be secured the detachable weights S, of a size proportioned to the fan. These weights can be used or left off, as may be needed. In case a motor is being used in which the power is not very great, then the weights S will be found, if not absolutely necessary, of very great importance, as they cause the fan to swing with greater steadiness and force.

Having thus described my invention, I claim—

1. The combination of the hangers or supports, the levers which are pivoted in their lower ends, the fan which is connected to the lower ends of the levers, the castings secured to the upper ends of the levers, and the connecting-rods which extend from one casting to the other and connect the levers at their upper ends, substantially as shown.

2. The combination of the hangers, provided with ears at their lower ends, the levers which are pivoted in the hangers, the castings which are secured to the upper ends of the
5 levers, the connecting-rods which connect the castings and the levers together, the fan, and the counter-weights which are secured to the upper ends of the levers, substantially as described.
- 10 3. The combination of the fans F, the plates Q, and the levers B, with supports for the levers, the castings D, secured to the upper ends of the levers, and the rods E, which connect the castings together and cause the levers to move simultaneously, substantially as set
15 forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN A. MYERS.

Witnesses:

JOHN HAUTH,

JOHN M. FORD.