

(No Model.)

J. GRANT.
FAN.

No. 550,679

Patented Dec. 3, 1895.

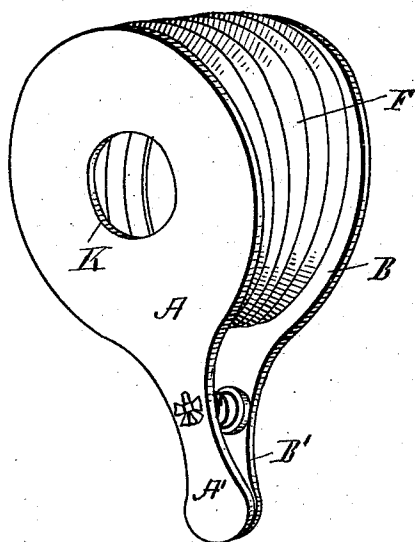


Fig. 1.

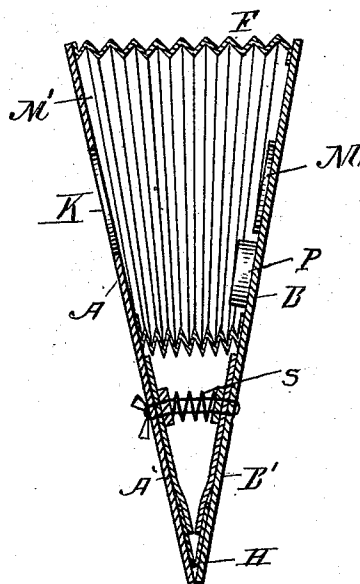


Fig. 2.

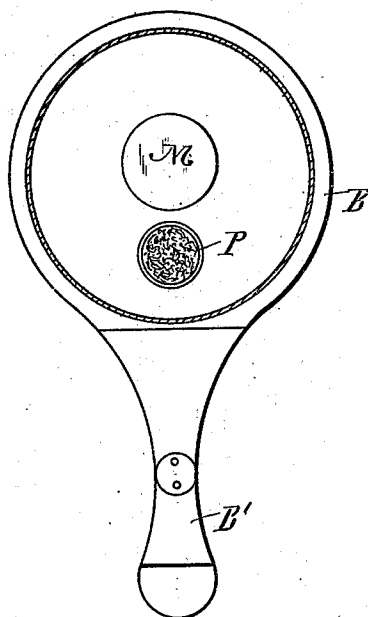


Fig. 3.

WITNESSES
Frank H. Parker
Edward S. Day

INVENTOR

J. Grant

UNITED STATES PATENT OFFICE.

JOTT GRANT, OF BOSTON, MASSACHUSETTS.

FAN.

SPECIFICATION forming part of Letters Patent No. 550,879, dated December 3, 1895.

Application filed May 27, 1895. Serial No. 550,845. (No model.)

To all whom it may concern:

Be it known that I, JOTT GRANT, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Fans, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to a device which is intended to take the place of an ordinary fan, the object being to produce a simple article to be held in the hand and operated by the thumb and fingers that will be much more effectual in creating a cooling and refreshing current of air than an ordinary fan; also, to provide a means operating within the fan for perfuming and disinfecting the air. This object I attain by the mechanism shown in the accompanying drawings, in which—

Figure 1 is a perspective view showing the fan complete. Fig. 2 is a side elevation of the same. Fig. 3 shows in plan, looking from the interior, the part that forms the back of the fan.

This instrument is to be held in the hand as an ordinary fan, it being provided with a handle of peculiar construction by which the user by a gentle pressure exerted by the thumb and fingers causes the fan to send forth a comparatively large body of air in any desired direction, said air being, if desired, perfumed and disinfected.

The fan consists of the two side pieces, the front piece A having a hole at K, through which air is admitted and expelled when the fan is in use, and has an extension A', which forms a part of the handle of the fan. The back part B of the fan also has an extension B', which forms a part of the handle. The two parts A' and B' are hinged together at H, as shown in Fig. 2, and are normally held apart by a spring S. The two parts A and B are united by some light folded and crimped fabric F, as shown, so that the whole forms a

kind of bellows. The hole K, being the only inlet or outlet of the device, is made comparatively large, so that the fan may be worked rapidly with but little effort on the part of the user.

To use the fan it is held between the thumb and fingers of one hand, and by gently pressing the parts A' and B' (that form the handle) together the sides of the fan are collapsed and the air expelled through the opening K in the direction desired. By relieving the two parts A' B' from the pressure of the thumb and fingers the spring S opens the fan, causing a new supply of air to rush in, and then the fan may again be collapsed by pressure upon the handle.

Within the fan I place a receptacle P for holding a portion of absorbent material adapted to retain perfume or some disinfecting substance adapted to impart its properties to the air as it passes in and out of the fan.

On the inside surface of the back of the fan and opposite the hole K, I place a small mirror, which showing by reflection the inside of the front of the fan and the pictures thereon gives a very pleasing effect. In fact there seem to be two interior chambers instead of one.

I claim—

A fan, consisting of two fan-shaped pieces of cardboard, or other suitable material, connected by accordion plaits and a spring hinge, one of the pieces being perforated as described, substantially as and for the purposes set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 24th day of May, A. D. 1895.

JOTT GRANT.

Witnesses:

FRANK G. PARKER,
WILLIAM EASON.