No. 879,580. PATENTED FEB. 18, 1908.

C. W. PEARSALL.

FACE COOLER.

APPLICATION FILED JAN. 9, 1907.

Fig. 1

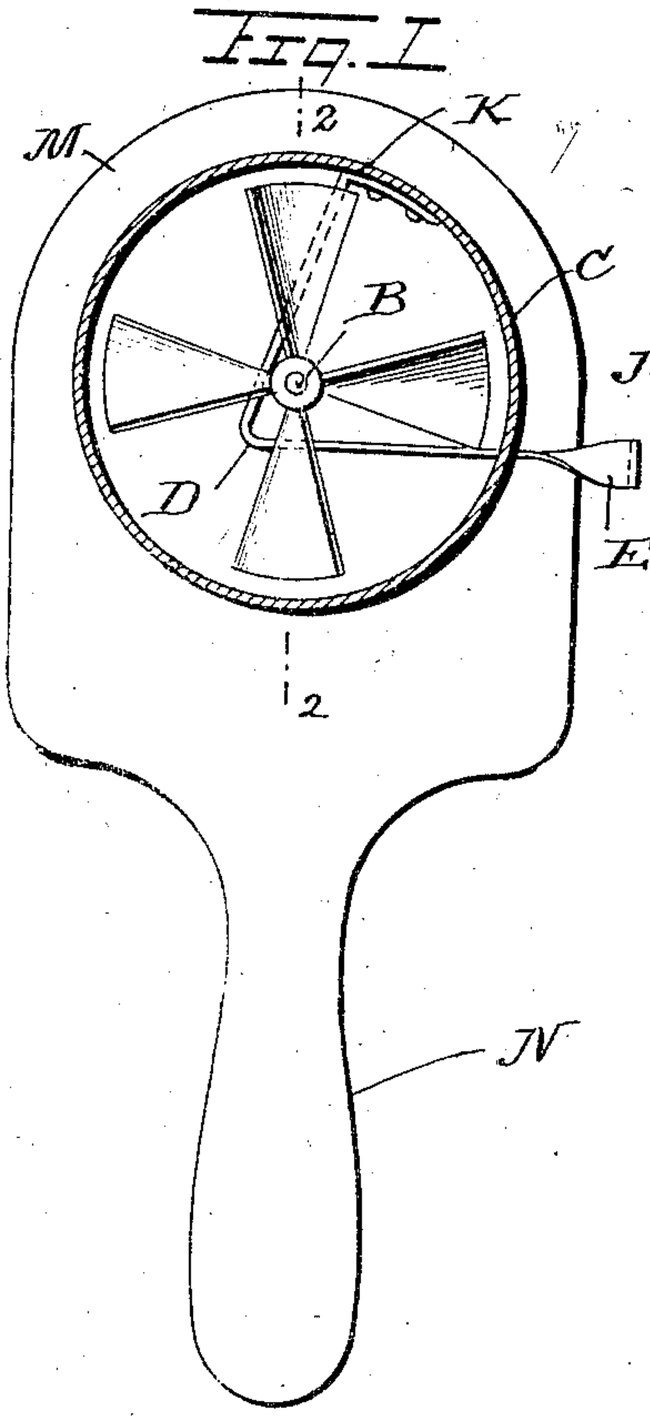


Fig. 2

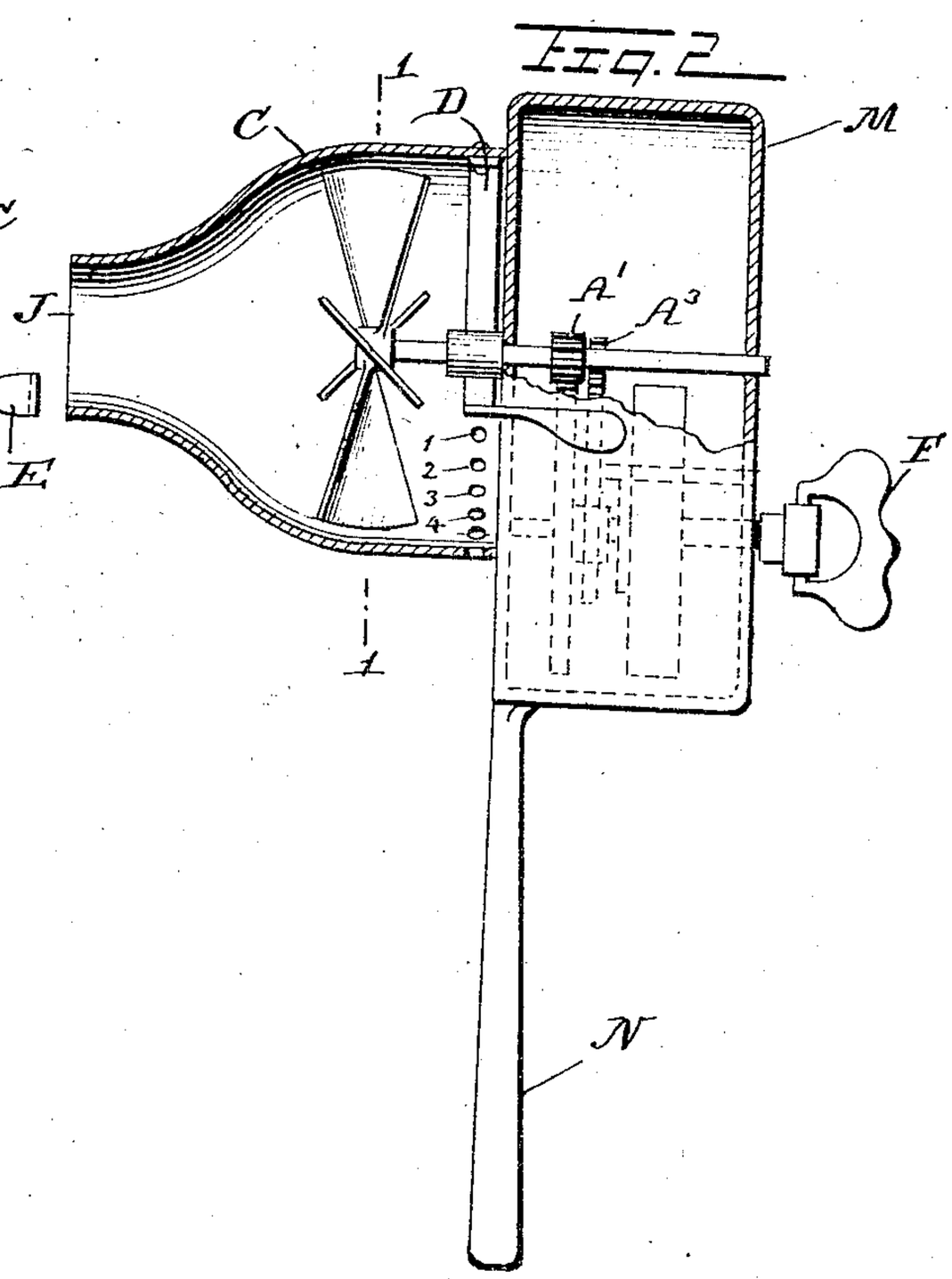


Fig. 3

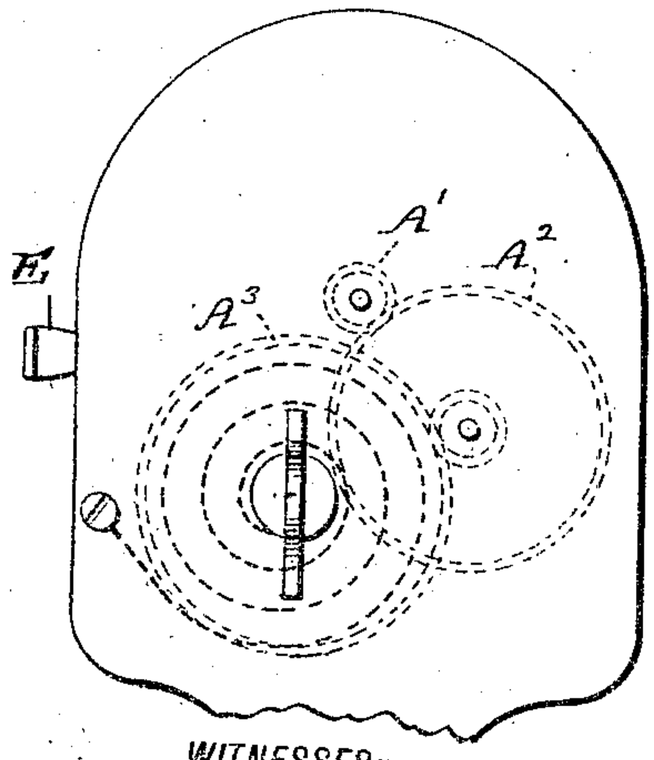


Fig. 4

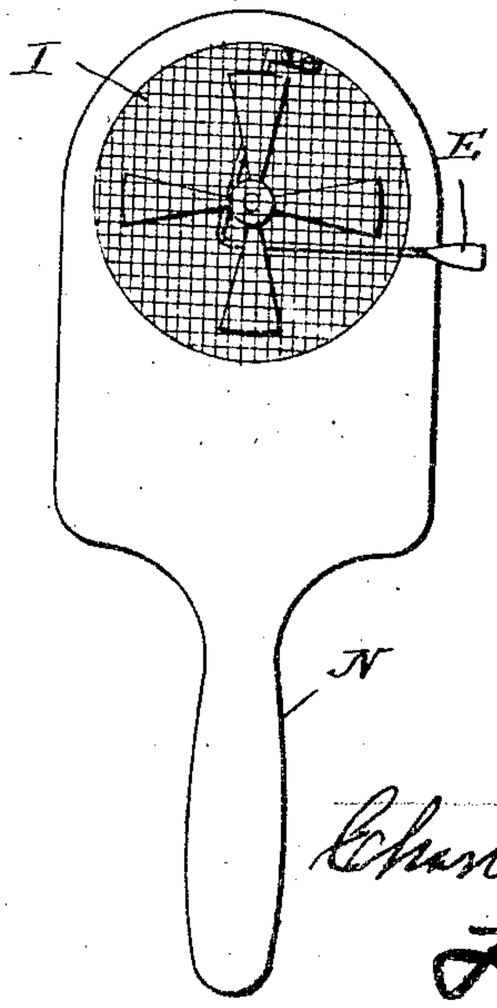
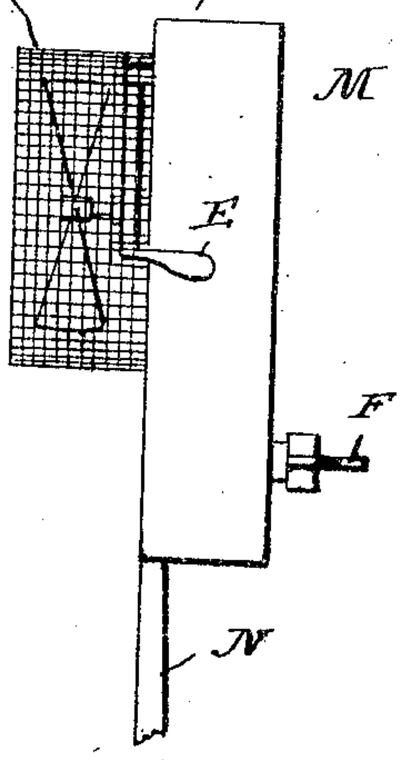


Fig. 5



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CHARLES W. PEARSALL, OF BINGHAMTON, NEW YORK, ASSIGNOR OF ONE-HALF TO FRANCIS M. MICHAEL, OF BINGHAMTON, NEW YORK.

FACE-COOLER.

No. 879,580. Specification of Letters Patent. Patented Feb. 18, 1908.

Application filed January 9, 1907. Serial No. 351,475.

To all whom it may concern:

Be it known that I, CHARLES W. PEARSALL, a citizen of the United States, residing at Binghamton, in the county of Broome and State of New York, have invented certain new and useful Improvements in Face-Coolers, of which the following is a specification.

My invention relates to improvements for cooling the face and drying the face, and to machines for that purpose, in which a revolving fan operated by a clock spring cog gearing, in conjunction with a portable support for the same and controlled by a spring brake to govern the motion of the air fan.

The objects of my improvement are to provide a handy, portable fan, for cooling and drying the face, of a person after shaving and for the purpose of drying and cooling the face after bathing or other treatment of the skin. I attain these objects by the mechanism illustrated in the accompanying drawing, in which:—

Figure 1 is a sectional elevation taken on line 1. 1. of Fig. 2. Fig. 2. is a cross section taken on line 2, 2, of Fig. 1. Fig. 3 is a fragmentary rear elevation. Fig. 4 is a front elevation of a modified form of my invention. Fig. 5, is a view taken at right angle to Fig. 4. Similar letters refer to similar parts throughout the several views.

I have a clock spring cog gearing A, shown by the letters A^1, A^2, etc. and having connected with it the shaft B and to which is attached the air fan C; on this fan shaft B is applied the spring brake or governor D which while fastened at the point K bears down upon the shaft B; the spring brake is raised from the shaft B by bearing down on the lever or handle E: The clock spring cog gearing being wound up by the key F, the shaft B being relieved from the pressure of the spring brake D commences to revolve and the fan thus revolves; the revolution of the fan is stopped by letting down upon the shaft B the spring brake D, which by pressure prevents the shaft turning until again released. The fan revolving produces an air current; the fan is either surrounded by the funnel J or the wire screen I; the funnel J is attached to the casing M which surrounds and supports the spring cog gearing as shown in Figs. 2 and 3. The funnel has at its base the perforations 1, 2, 3, 4, etc., or an open space for receiving the air drawn in by the movement of the fan and the air then passing out at the mouth of the funnel at J.

The covering to the fan may be either of the funnel shape of solid material or composed of a wire screen or perforated cover as shown in Figs. 4 and 5; in operation with the funnel shaped covering, the fan revolving forces the air out of the mouth of the funnel, at J. And in construction I elect to use either form, of shield for the fan. The case M in which is mounted the clock cog spring gearing has attached to it or projecting from it the handle N; in operation I grasp the handle, and with thumb or finger press down the spring brake D by bearing down on the lever handle E and thus releasing the shaft B from the pressure of the spring brake D, the fan shaft commences to revolve, being turned by the clock spring cog gearing, A, A^1, A^2 etc. as shown in Figs. 2, 3. The revolving fan thus held in the hand is placed near the face, and can be moved about the face or head or body, projecting a current of air upon the face or body or object, near which it is placed. By means of the handle N the fan is thus easily manipulated, and held in various positions for its various purposes of use.

What I claim as my invention and desire to secure by Letters Patent, is:—

A face cooler comprising a casing, spring operated gearing in said casing, a shaft rotated by said gearing, said shaft having one end extending beyond the casing, a fan secured to said end, a second casing secured to the first and surrounding the fan, said second casing being perforated and a spring brake supported in the second casing and having an end projecting therefrom, said spring brake being normally in contact with the shaft to prevent rotation thereof.

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

CHARLES W. PEARSALL.

Witnesses:
M. E. MANNING,
M. A. BLOOMER.