

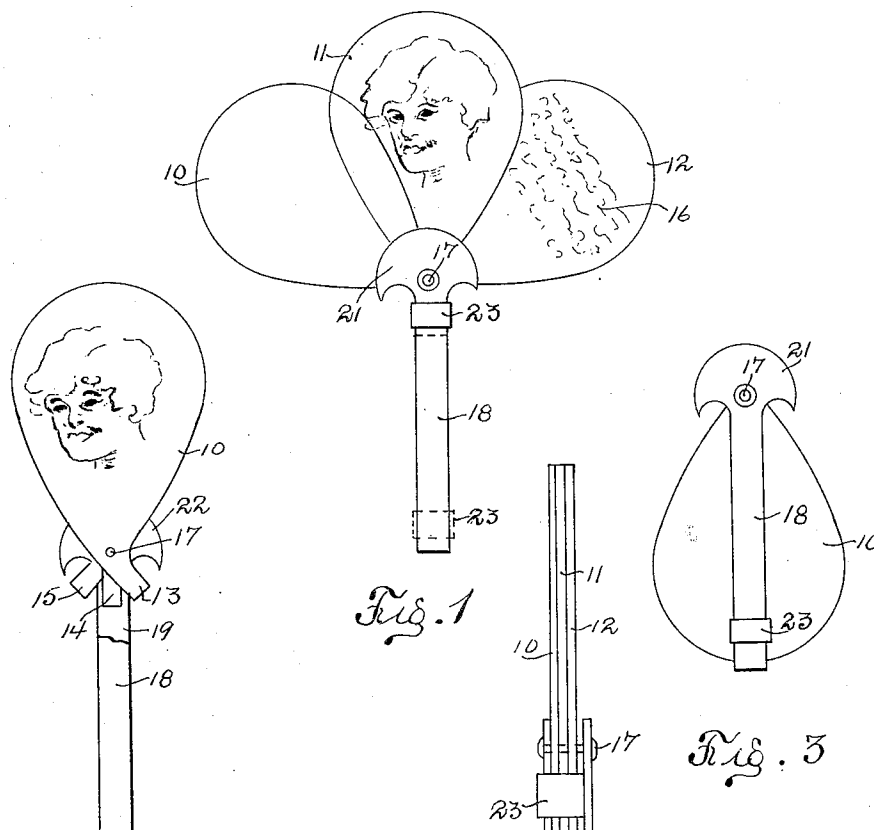
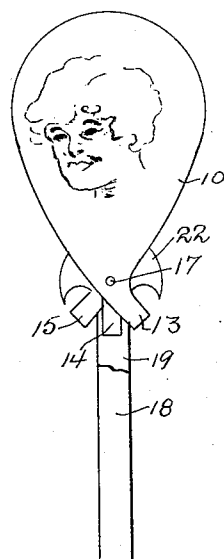
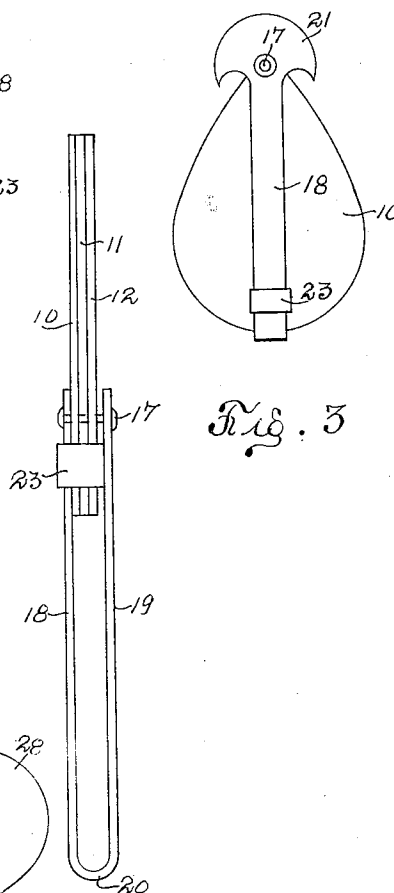
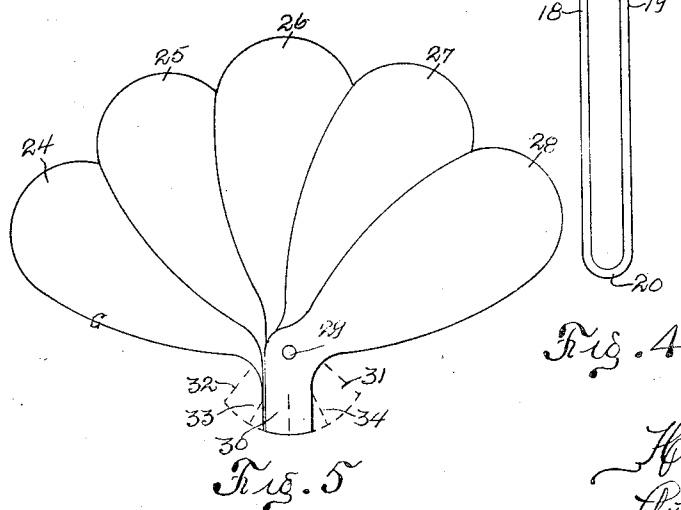
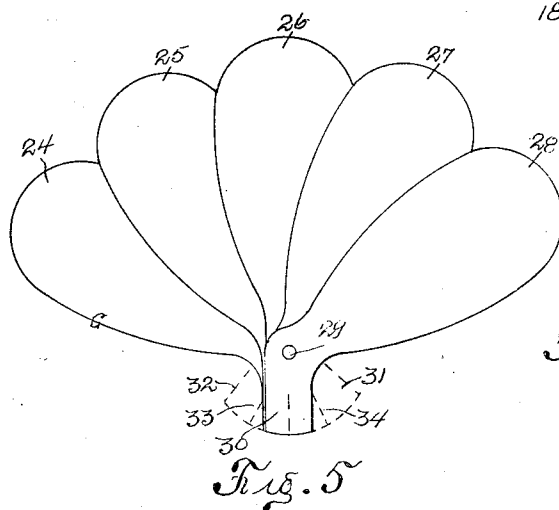
May 31, 1927.

1,630,397

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FAN

Filed May 13, 1926



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FAN.

Application filed May 13, 1926. Serial No. 108,785.

The device, the subject of this invention is a hand fan and the particular objects of the invention are to provide a fan that is not only decorative and useful but may also be folded into an extremely small space so that it may be carried in the pocket or in a hand bag.

Another object of the invention is to construct a fan that may be quickly opened and one wherein the blades of the fan are retained in operative position when the fan is opened.

The following is what I consider the best means of carrying out this invention and the accompanying drawing should be referred to for a complete understanding of the specification which follows.

In the drawing:—

Fig. 1 shows a three blade fan open.

Fig. 2 shows this fan with the blades superimposed.

Fig. 3 shows the fan wholly closed.

Fig. 4 shows the fan in side elevation. This view is on an exaggerated scale, and

Fig. 5 shows a multiple blade fan.

Similar reference numerals indicate like parts in all the figures where they appear.

The fan as shown in Fig. 1 has three blades as indicated at 10, 11 and 12. These three blades are adapted to be closed so that they appear as one unit and for that reason the main portion of all of the blades is of the same outline, shape and size. The tails of the blades, do not, however, conform when the fan is closed, but when the fan is open these tails lie one upon the other and as shown in Fig. 2, the tail of the blade 10 extends to the right as indicated at 13; the tail of the blade 11 extends directly downward as shown at 14 and the tail of the blade 12 extends to the left as shown at 15 and when in this position, as shown in Fig. 2, to open the fan for use it is only necessary to press upon the tails 13 and 15 of the blades 10 and 12 respectively.

The material of which this fan is made may be cardboard or celluloid or a combination of cardboard and celluloid. As shown in Figs. 1 and 2, the blade 10 is formed of transparent celluloid so that when it is closed, over the blade 11, the matter imprinted upon the blade 11 may be

readily observed. The inner surface of the blade 12 may carry advertising matter as indicated by the scratch lines 16.

The three blades are pivoted upon a common pivot 17 and this pivot passes through the handle member. This handle member is formed in two parts, 18 and 19, extending parallel and connected by means of a return bend 20 and at each of the free ends of the handle member I arrange crescent shaped projections 21 and 22, to guard the tongues 13, 14 and 15 when the fan is closed, as shown in Fig. 3.

Upon one portion of the handle I arrange a slider 23 which may be moved upward, as shown in Fig. 4, to engage over the projections 13 to 15 when the fan is opened and to retain the blades open. When the fan is closed the slider is moved downward to frictionally engage upon the surface of the next adjacent blade, to retain the blade closed. The slider 23 is shown in its lowermost position in Fig. 3 and in its uppermost position in Fig. 1, the dotted lines in Fig. 1 indicating the range of operation of this member.

In Fig. 5 I show a plurality of blades 24, 25, 26, 27 and 28, all arranged upon a common pivot 29 and each having a projection beyond the pivot. The projection of the blade 28 is shown at 30 and the projections of the other blades are indicated at 31 to 34 inclusive. When the blades are closed the projections will assume the position shown by the dotted lines 31 to 34 and when pressure is brought to bear upon these projections, the blades will be opened and the projections will be stacked as shown in Fig. 5.

It will be understood that fans having any number of blades may be constructed according to my invention; that the size of the fan may be varied at will and that other modifications may be made within the scope of the appended claims, without departing from the principle or sacrificing the advantages of the invention.

Having carefully and fully described my invention, what I claim and desire to obtain is:—

1. A fan having a plurality of blades, a projection formed integral with each blade, each said projection being disposed at a dif-

ferent angle to all other said projections and a common pivot for all said blades and a handle member through which said pivot passes and means upon said handle member for engaging all said projections, to retain
5 said blades open. dle member and means for retaining said blades between the parts of said handle member, said means serving to retain the blades properly separated when said fan is open. 10

2. A fan having a plurality of blades, a handle member in two parts, a pivot for said blades and extending through said han-

Signed at Kobe, Japan, this 31st day of March, 1926.

HYOKICHI MARUI.