

(No Model.)

G. BAUMGARTNER & F. ENGLISH.
PENDULUM FAN.

No. 541,061.

Patented June 18, 1895.

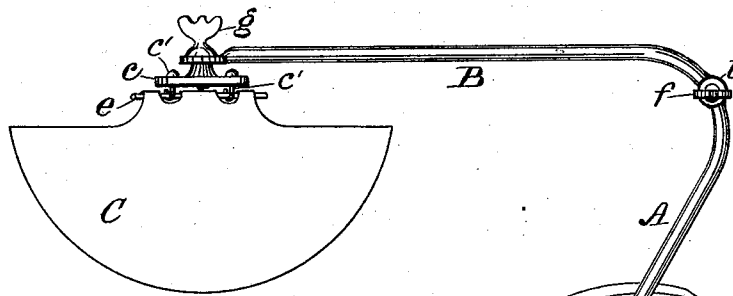


Fig. 1

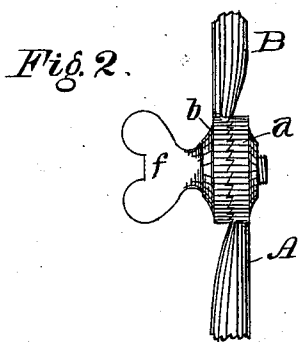


Fig. 2.

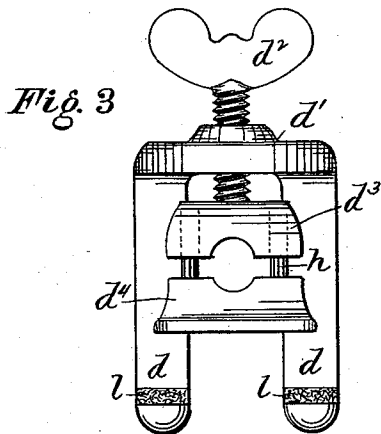


Fig. 3

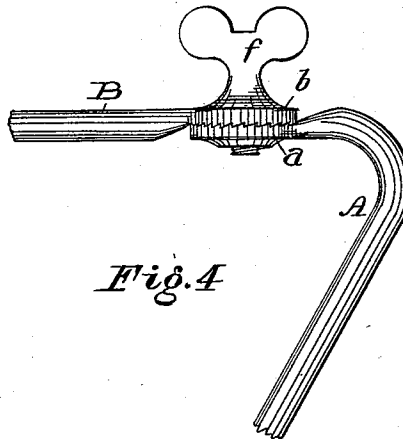


Fig. 4

Witnesses;

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UNITED STATES PATENT OFFICE.

GEORGE BAUMGARTNER AND FRANK ENGLISH, OF CLEVELAND, OHIO.

PENDULUM-FAN.

SPECIFICATION forming part of Letters Patent No. 541,061, dated June 18, 1895.

Application filed July 9, 1894. Serial No. 516,882. (No model.)

To all whom it may concern:

Be it known that we, GEORGE BAUMGARTNER, a citizen of the United States, and FRANK ENGLISH, a subject of Victoria, Queen of Great Britain, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Fan Attachments; and we 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 appertains to make and use the same.

Our invention relates to fans to be attached to and actuated by some moving body, such as a rocking chair, child's cradle, perambulator, swing, hammock, or the like; the object being to cool the occupant and prevent annoyance by insects; and the invention consists in the construction and combination of parts designed to secure the objects stated, as hereinafter described and pointed out in the claims.

In the drawings, Figure 1 represents a perspective view of our improved fan, shown as attached to the back of a rocking-chair. Fig. 2 is a detail showing the joint for adjustment of the fan-carrying rod or arm. Fig. 3 is a detached view of one form of clamp used for securing the fan to the object to which it is to be attached. Fig. 4 is a detail showing a modified or alternative construction of the joint joining the two rods or arms of the device.

The complete device consists of a rod A to be secured to the chair, cradle or other object, and which rod is at its upper extremity flattened and provided on one side of the flattened portion with a ratchet *a*. A second rod B, provided at one end with a similar ratchet *b*, the counterpart of *a*, is attached to the rod A by a thumb screw *f* which passes through the two flattened ratchets, as seen in Figs. 2 and 4. At its free extremity the rod B carries a fan-holder *c*, which is secured to the rod by a thumb screw *g* passing through the rod and threaded into the holder *c*, so that the latter may be set at any angle to the rod B and clamped in that position. Ordinarily this holder is set at right angles to the rod B.

C represents the fan, which may be of any preferred size, shape or material, but is preferably made of a vertical breadth nearly or

quite equal to its horizontal dimension, in order to insure its free play, and it is provided at its upper edge with a small rod *e*, by which the fan is suspended from hooks *c'* carried by the holder *c*, in which it moves with scarcely any friction and therefore swings very easily.

The complete device is attached to the chair or other object on which it is to be used by means of a clamp of any suitable form, or by bolts or screws in case a clamp cannot be used. A form of clamp which we have found efficient for the purpose is shown at D in Fig. 3. The arms *d d* are shaped to clasp the part to which the fan is to be attached, as shown in Fig. 1, and the clamp-screw *d'*, which is threaded through the top or body *d'* of the clamp, carries at its extremity the rod-clamp bars *d³ d⁴*, which can turn completely around in the clamp and are notched to receive the rod A between them, and on one of which bars are guide-pins *h h* engaging corresponding holes in the other bar. The screw *d'* swivels in the bar *d³*, so that when the screw is turned it operates not only to clamp the bar *d⁴* against whatever is interposed between it and the ends of the bars *d d*, but also to clamp the bar *d³* against the rod A interposed between the bars *d³ d⁴*, as seen in Fig. 1.

To prevent marring furniture to which the clamp D may be applied we prefer to provide the ends of the arms *d d* with pads *l* of rubber, felt, or other soft material, which may be omitted however where no such marring is to be feared.

Although the arms *d d* of the clamp are shown with upturned flat ends (shown in dotted lines in Fig. 1), it is to be understood that they may be hooked, pointed or otherwise shaped, as may be necessary to cause them to fit the object to which they are applied in any given case.

The whole apparatus is adjustable for vertical height by sliding the rod A in the clamp D, and by loosening the thumb-screw *f* the rod B may be turned vertically to any angle with rod A and clamped in the desired position. The rod A can also be turned sidewise in the clamp D and set in such position as will bring the fan in front of or to either side of the occupant of the chair, swing, or other object to which it is attached. The joint of the rods A and B may equally well be made horizontal

instead of vertical, as shown in Fig. 4, in case it is preferred, and the fan may, of course, swing in any preferred plane.

When attached to a rocker, swing, or like moving object, the fan sways with the slightest motion of the object to which it is attached, and affords a gentle current of air, cooling and very soothing, in marked contrast to the strong and often disagreeable current produced by fans actuated by levers, springs, or other positive-acting mechanism. For this reason the fan hereinabove described is exceedingly suitable for invalids or children who might be injured instead of benefited by too strong a current of air.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The combination of the supporting rod A, the fan-carrying arm B joined thereto by an adjustable joint, the gravity-acting fan pivotally suspended from the arm B, and the clamp for attaching the device to a chair or other oscillating support; said clamp having an arm for engaging the chair a binding screw, and a rod-holding bar swiveled thereto, whereby the supporting rod can be clamped at any angle to the body of the clamp, substantially as described.

2. The combination of the supporting-rod A, the fan-carrying arm B joined thereto by an adjustable clamping joint, a fan holder pivotally attached to said arm, the gravity-acting fan swinging freely from said holder, and the clamp D for attaching the device to a chair or other oscillating support; said clamp having an arm for engaging the chair, a binding screw, and a holder, through which the supporting-rod passes, swiveled to the binding screw and adapted to bear against the chair, whereby the supporting rod can be clamped at any angle and also rotated in its holder, substantially as described.

3. In a fan attachment the combination with the fan-carrying arm of the fan-holder vertically pivoted to the fan-carrying arm and having a clamping screw, whereby it may be clamped in any position, and hooks from which the fan is suspended, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE BAUMGARTNER.
FRANK ENGLISH.

Witnesses:

LORIN PRENTISS,
ROLAND RIDER.