

No. 633,001.

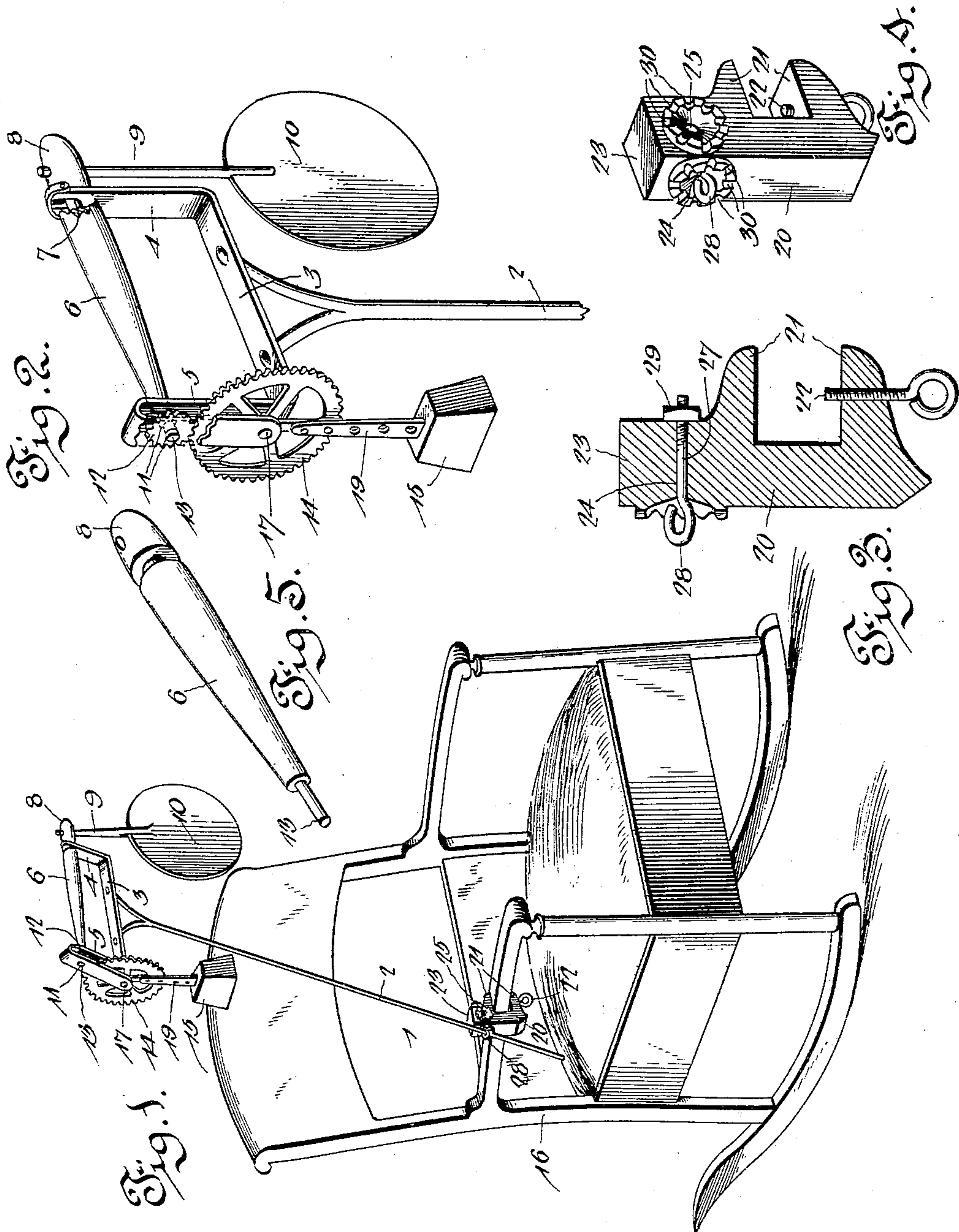
Patented Sept. 12, 1899.

E. GRIFFITT.

AUTOMATIC FAN ATTACHMENT FOR ROCKING CHAIRS, CRADLES, &c.

(Application filed Feb. 27, 1899.)

(No Model.)



Witnesses

J. Frank Fulverwell.

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By his Attorneys.

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# UNITED STATES PATENT OFFICE.

EMANUEL GRIFFITT, OF LINDALE, GEORGIA, ASSIGNOR OF ONE-HALF TO  
HENRY A. POWERS, OF SAME PLACE.

AUTOMATIC FAN ATTACHMENT FOR ROCKING-CHAIRS, CRADLES, &c.

SPECIFICATION forming part of Letters Patent No. 633,001, dated September 12, 1899.

Application filed February 27, 1899. Serial No. 707,018. (No model.)

*To all whom it may concern:*

Be it known that I, EMANUEL GRIFFITT, a citizen of the United States, residing at Lindale, in the county of Floyd and State of Georgia, have invented a new and useful Automatic Fan Attachment for Rocking-Chairs, Cradles, &c., of which the following is a specification.

The invention relates to improvements in automatic fan attachments for rocking-chairs, cradles, and the like.

The object of the present invention is to improve the construction of fan attachments for rocking-chairs, cradles, and the like and to provide a simple, inexpensive, and efficient one adapted to be readily mounted on a rocking-chair at the back, side, or front and capable of being operated by the rocking thereof and of affording a comparatively strong and steady current of air.

The invention consists in the construction and novel combination and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a fan attachment constructed in accordance with this invention and shown applied to a rocking-chair. Fig. 2 is an enlarged perspective view of the upper portion of the device. Fig. 3 is an enlarged detail sectional view of the clamp. Fig. 4 is a detail perspective view of the same. Fig. 5 is a detail view of the fan-shaft.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a support consisting of a rod or stem 2 and a substantially U-shaped bracket 3, mounted upon the upper end of the stem or support, which is forked, as shown, to provide an additional support for the bracket, and the latter consists of a bottom cross-piece and upwardly-extending arms 4 and 5, in which is journaled a horizontal fan-shaft 6. The arm 4 has its upper end bifurcated to form a bearing 7, and the fan-shaft is provided with an annular groove which receives the bifurcated portion of the arm 4 and which is located near one end of the shaft.

This end 8 of the shaft is provided with an opening in which is secured the stem or handle 9 of a fan 10, which is located beyond the bracket and is adapted to clear the adjustable rod or stem, as shown. The other arm 5 of the bracket is bent upon itself to provide an opening or space for the reception of gearing, hereinafter described, and it is provided with upper bearing-perforations 11 for the reception of the adjacent end of the shaft 6. A pinion 12 is mounted on the end 13 of the shaft 6 and is arranged within the opening or space of the arm 5 and meshes with an oscillating gear 14, to which is connected a weight 15. The weight 15 is adapted to oscillate back and forth and is actuated by the motion of the rocking-chair 16, and this oscillation is adapted to produce a rapid rotation of the fan-shaft, so that a steady and continuous current of air is afforded by the device. The gear-wheel 14 is journaled on a short shaft 17, which may be fastened by any suitable fastening device, and the weight 15 is connected with the gear-wheel by a bar 19, which may be secured to the gear-wheel at the periphery thereof, but which may be extended to the shaft or pivot 17. The movement of the rocking-chair is adapted to oscillate the weight sufficiently to produce at least a complete rotation of the fan-shaft, and the extent of the rotation thereof may be varied by employing different sizes of pinions and gear-wheels, as will be readily understood.

The vertically-adjustable rod or stem of the support is secured to the rocking-chair by a clamp 20, provided with a pair of rigid jaws 21, having parallel engaging faces, and one of the jaws has a clamping-screw 22 mounted upon it and adapted to engage a portion of the rocking-chair. In order to enable the clamp to be readily arranged to engage any portion of a rocking-chair, it is provided at one end with an extension 23, projecting beyond the adjacent jaw and having perforations 24 and 25 arranged at right angles to each other and either one of which is adapted to receive a threaded shank 27, provided at one end with an eye 28 and having a nut 29 at the other end. At each of the perforations 24 and 25 is arranged an annular series



of recesses 30, formed in an annular flange and providing opposite seats for the adjustable rod or stem, whereby when the nut is tightened the said rod or stem will be securely held against movement in any direction independent of the clamp. This construction permits the rod or stem to be moved longitudinally or rotated on the threaded shank, so as to set the fan at any inclination and at any desired elevation. The bar or lever to which the weight is attached is provided with a perforation and may be connected by a pitman with any suitable motive power to enable the fan to be used independently of a rocking-chair, crib, or other oscillating device.

The invention has the following advantages: The automatic fan attachment for rocking-chairs, cribs, cradles, and the like is simple and comparatively inexpensive in construction and is provided with an adjustable clamping device adapted to be arranged at any desired angle and in the desired position to enable it to engage the back, side, front, or other portion of a rocking-chair, cradle, or the like, and the inclination of the fan may be readily varied to arrange the weight centrally of the rocking-chair or cradle, so that it may be operated at the expenditure of a minimum amount of power and without apparently increasing the exertion necessary to produce a rocking of the chair or cradle.

Changes in the form, proportion, size, and the minor details of construction within the scope of the appended claims, such as varying the construction of the bearings and the number of fans employed, may be resorted to

without departing from the spirit or sacrificing any of the advantages of this invention.

What is claimed is—

1. A device of the class described comprising a clamp, a stem secured to the clamp, a rigid U-shaped bracket carried at the upper end of the stem, the horizontal fan-shaft journaled in the bracket, a fan at one end of the fan-shaft, a pinion mounted on the other end of the fan-shaft, a gear journaled on the bracket, and a depending arm fastened to the gear and carrying a weight, the end of the bracket adjacent to the gearing being bent upon itself to provide supports and a housing for the gearing, substantially as described.

2. A device of the class described comprising a bracket having a stem, a fan mounted on the bracket, means for operating the fan, a clamp having jaws, and provided with perforations arranged at right angles, said clamp having a flange provided with an annular series of recesses around each of the said perforations, a shank adapted to be arranged in either of the said perforations and provided with an eye receiving the stem, and means for adjusting the shank and for engaging the stem with the recesses, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EMANUEL GRIFFITT.

Witnesses:

M. E. DODD,

R. K. ROBERTS.