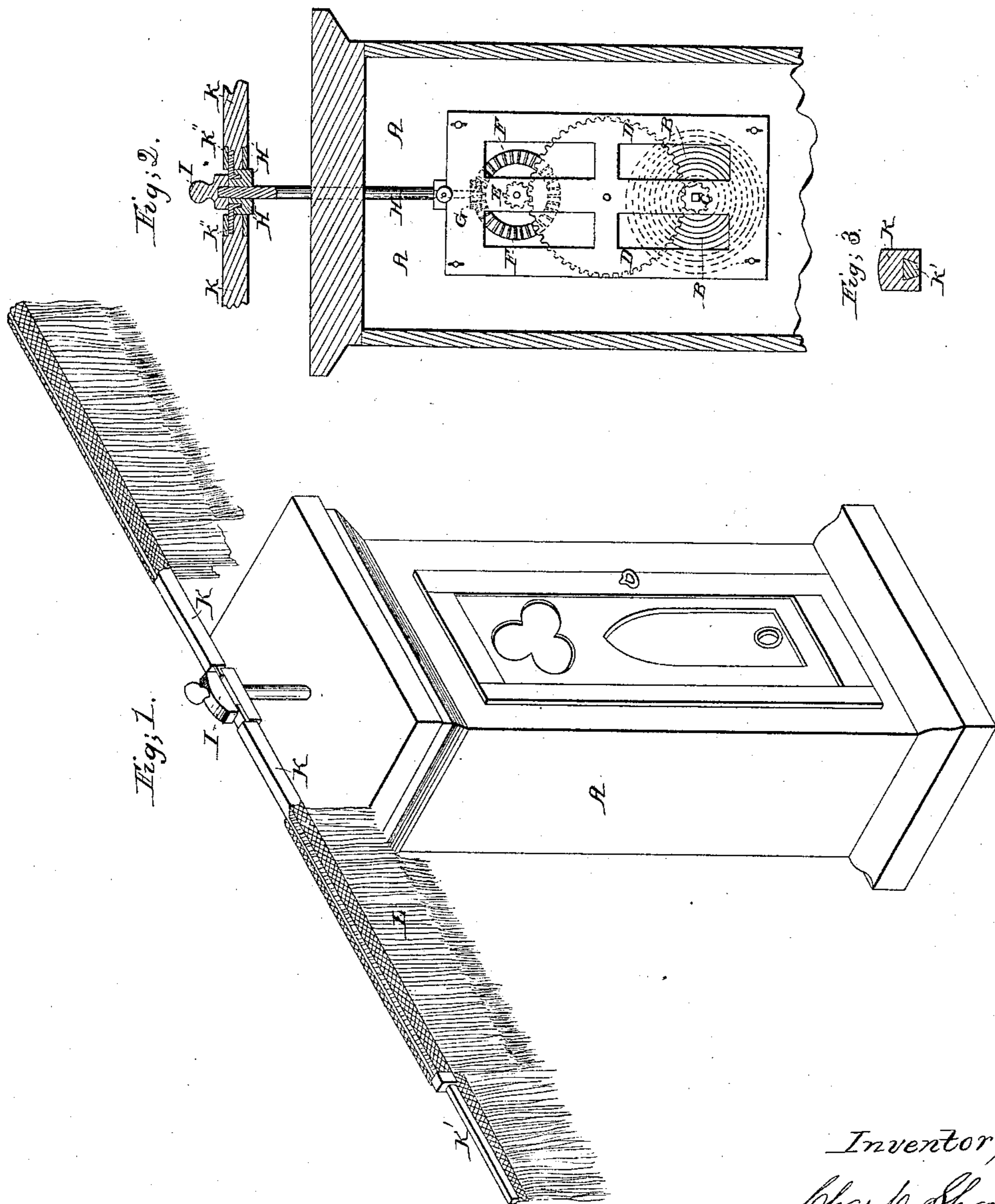


C. C. Short

Automatic Fan.

N^o 61269.

Patented Jan. 15, 1867.



Witnesses,
Edmund
Lawrence Murphy

Inventor,
Chas. C. Short
by
D. P. Holloway
his atty.

United States Patent Office.

CHARLES C. SHORT, OF OSGOOD, INDIANA.

Letters Patent No. 61,269, dated January 15, 1867.

IMPROVED AUTOMATIC FLY-BRUSH AND FAN.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES C. SHORT, of Osgood, in the county of Ripley, and State of Indiana, have invented a new and useful improvement in Automatic Fly-Brushes and Fans; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a vertical section; and

Figure 3 is a transverse section of the revolving arm.

The same letters are employed in the indication of identical parts in all the figures.

My improvement consists in the construction of the revolving arms, providing for their extension, and in the mode of attaching them to the vertical shaft actuated by clock-work.

A is the case in which the mechanism is contained for actuating the clock-work. The clock-work consists of a coiled spring, B. On the shaft around which the spring is coiled, and which is turned by it, is a pinion, C, which drives the spur-wheel D, which drives the pinion E. On the same shaft with the latter is the bevel-wheel F, driving the bevel-pinion G, on the foot of the vertical shaft H. H' is the cross-head on the end of the shaft. On the upper face of the cross-head on each side are recesses into which are received the hooks K'', attached to the arm K. These hooks, when inserted, are held in place by the screw-head I, screwing on to the end of the shaft, and resting on said hooks. The arms K are formed in two pieces, K and K'. The former has on its under side a dove-tailed groove, into which slides the dove-tailed extension arm K'. The fringe L hangs from the side of the arm K, and from the bottom of the extension arms. The length of the sweep of the arm may be thus regulated as required. One or more arms may be used. Fans may be attached to the ends of the arms. The number of the arms may be increased if desired.

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

The combination and arrangement of the shaft H, automatically actuated by clock-work, and the cross-head H', screw-head I, and the extension arms K K', attached adjustably to the cross-head by hooks K'', substantially as and for the purpose set forth.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES C. SHORT.

Witnesses:

J. W. CRAVEN,

THOS. McMULLIN.