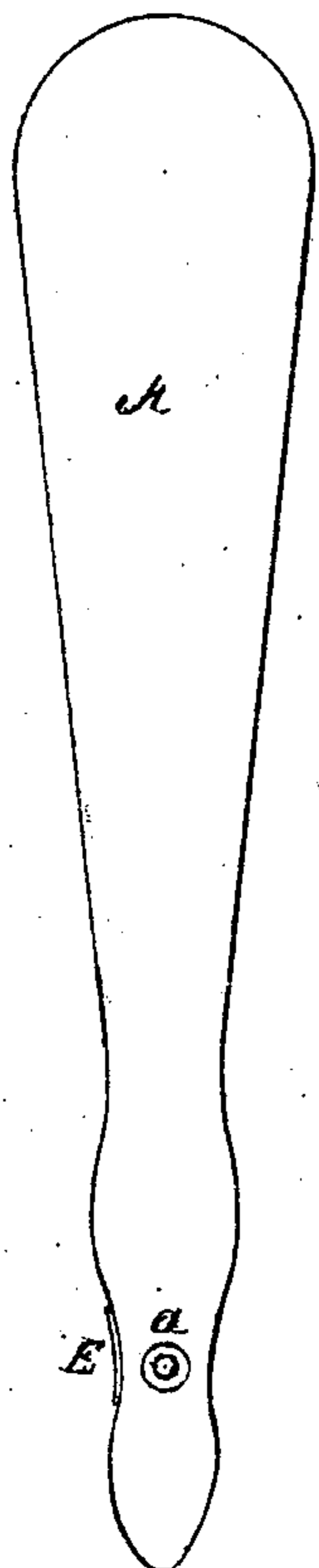


T. W. Hawkins' IMPROVED FANS.

Assignor to Self & Moses Hawkins

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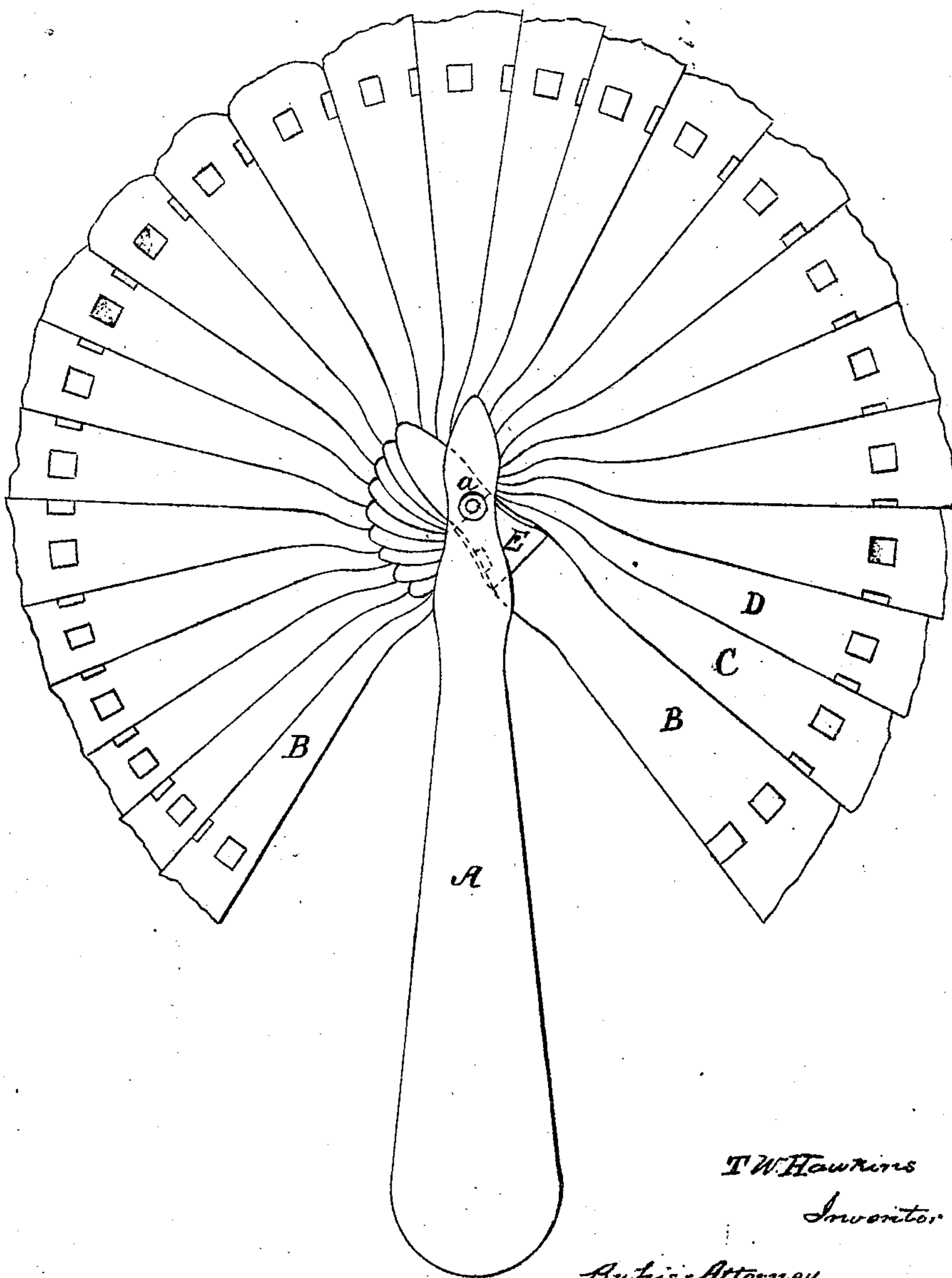
Fig. 1



PATENTED

DEC 31 1867

Fig. 2



Witnesses

*A. J. Roberts
J. W. Shumway*

T. W. Hawkins

Inventor

By his Attorney

Chas. E. East

United States Patent Office.

T. W. HAWKINS, OF NEW HAVEN, ASSIGNOR TO HIMSELF AND MOSES HAWKINS, OF BIRMINGHAM, CONNECTICUT.

Letters Patent No. 72,732, dated December 31, 1867.

IMPROVEMENT IN FANS.

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, T. W. HAWKINS, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Fans; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view of the fan closed, and in

Figure 2, the same view, the fan opened.

This invention relates to an improvement in that class of fans which are made from a succession of wood splints fixed in the centre, and opened by moving the outsides from the centre, the several splints being connected together so that when opened they form nearly a circle, and consists in the construction whereby the fan is held open more securely than has heretofore been done.

To enable others to construct my improvement, I will proceed to describe the same, as illustrated in the accompanying drawings.

A is the outside splint, one being upon each side, and the several splints, B, C, D, &c., being of the same form, and all pivoted together at *a*. The several splints, B, C, D, &c., are connected together by a ribbon, cord, or otherwise, passing from one to the other as denoted in red, fig. 2. Upon the two splints next the outside, that is, upon B B, is fixed a metallic plate, E, having a flange turned up nearly or quite as thick as the outer splint A, and so that when folded the flange will lie close alongside the outer splint, as denoted in fig. 1. The two outer splints are designed for the handle; and to open the fan, turn the two outer splints or handles, one to the right and the other to the left; the tip of the handle will bear against the flange on the plate E, and spread the several splints between the handles, and when so spread, and the two parts of the handle held in the hand, their tips bearing hard against the flange E, spread and firmly hold the several splints when so spread.

Heretofore, a connection between the several splints and handles proper has been made by continuing the ribbon or cord around to the handle. This arrangement is much in the way, and from constant use is quickly worn, so as to destroy the fan. The object of my invention is to overcome this difficulty—a serious objection to this class of fans—and by the arrangement I have described no connection whatever is required between the splints and handles, other than the plate described.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent, is—

In combination with the several splints, B, C, D, &c., and the handles A, the flanged plate E, when arranged so as to operate in the manner described.

T. W. HAWKINS.

Witnesses:

A. J. TIBBITS,

J. H. SHUMWAY.