

No. 854,359.

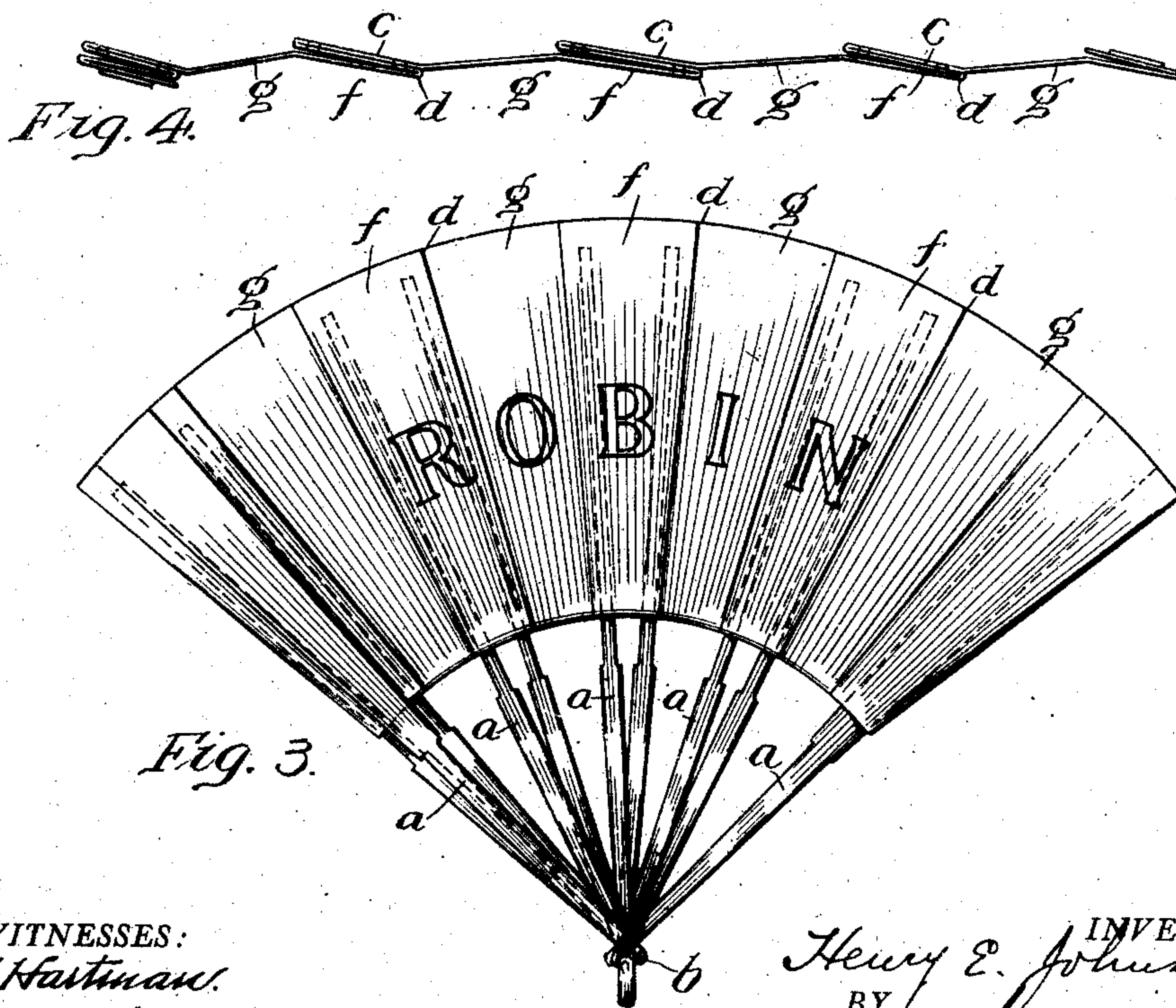
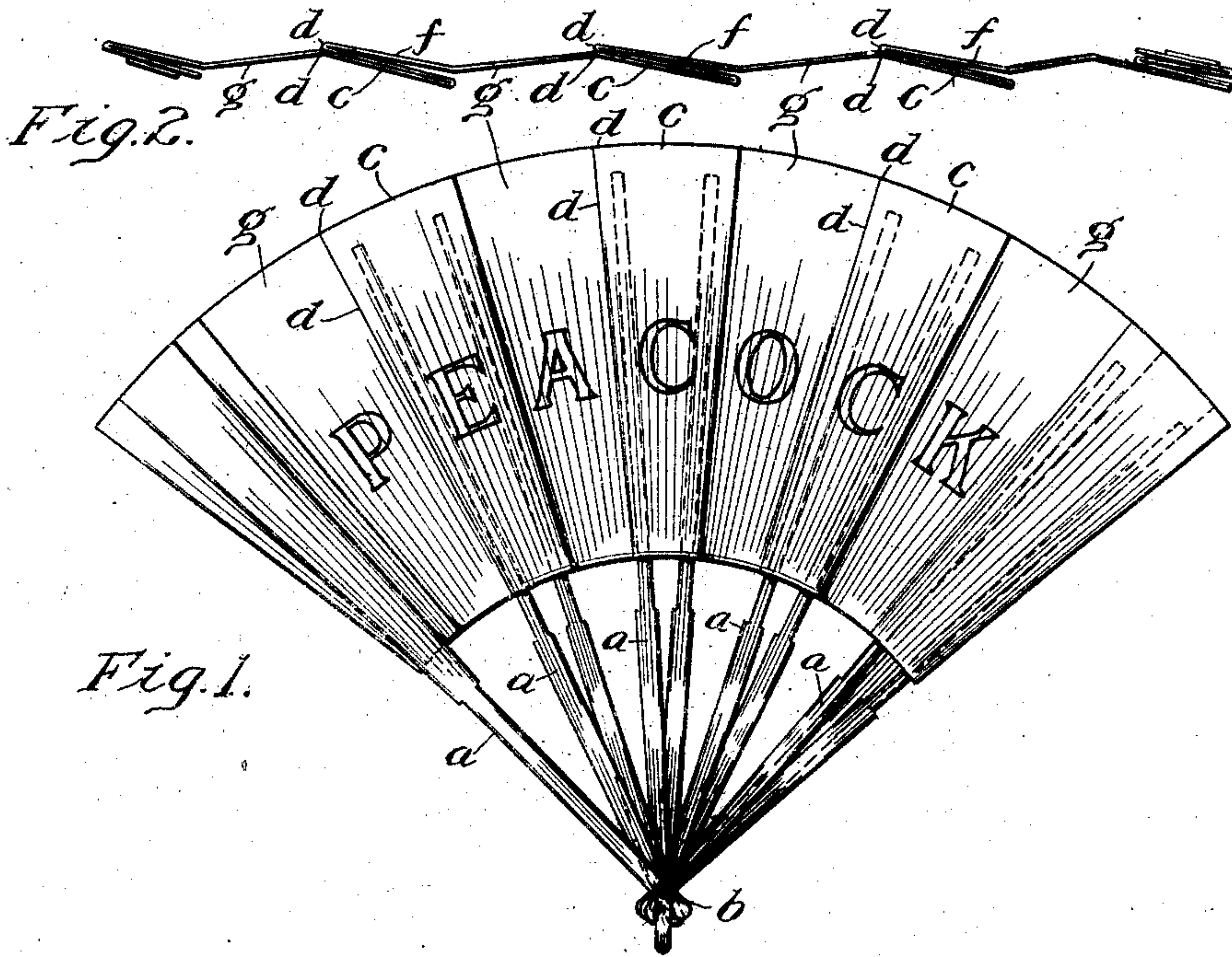
PATENTED MAY 21, 1907.

H. E. JOHNSON.

FAN.

APPLICATION FILED JUNE 2, 1906.

2 SHEETS—SHEET 1.



WITNESSES:  
*W. J. Hartman.*  
*F. L. M. M. M.*

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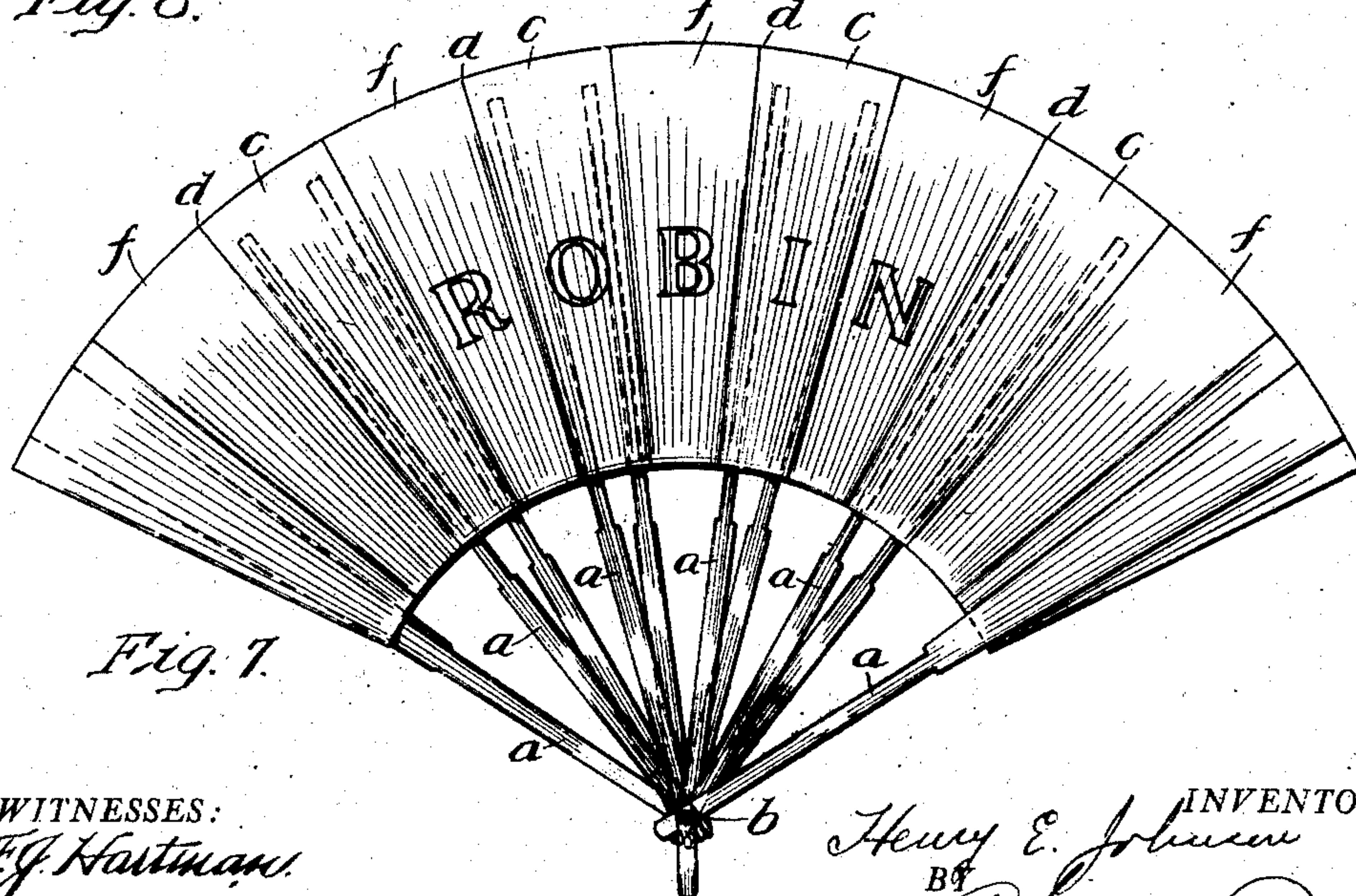
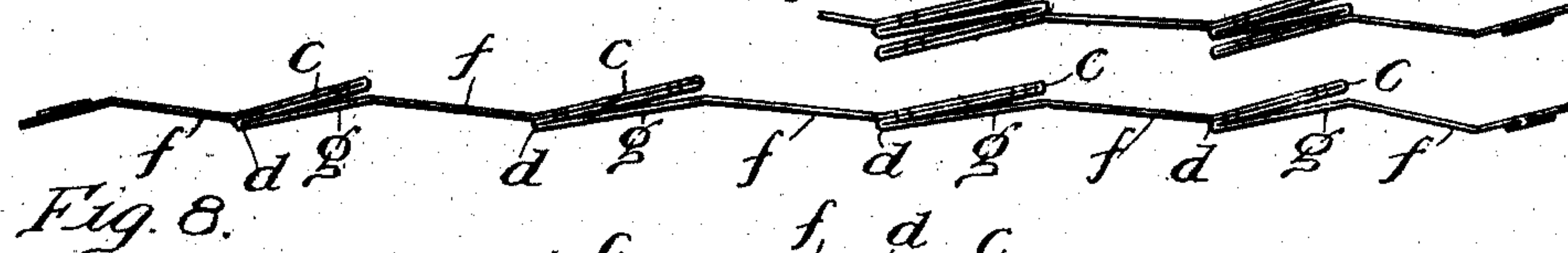
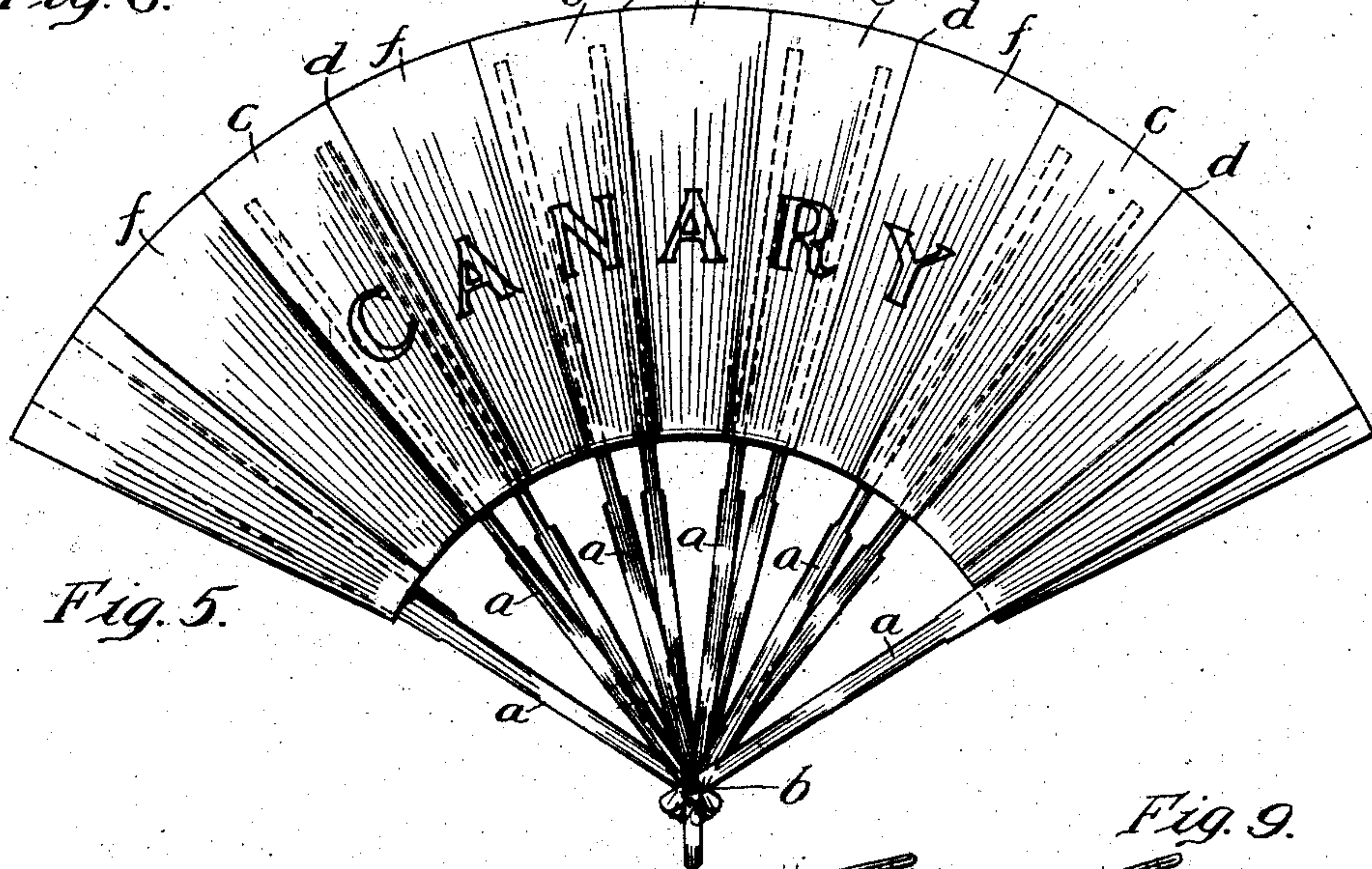
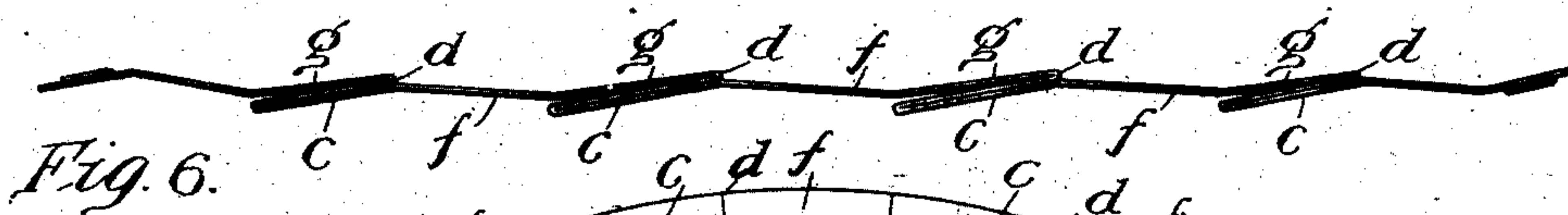
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FAN.

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2 SHEETS—SHEET 2.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

HENRY E. JOHNSON, OF YEADON, PENNSYLVANIA.

## FAN.

No. 854,359.

Specification of Letters Patent.

Patented May 21, 1907.

Application filed June 2, 1906. Serial No. 319,863.

*To all whom it may concern:*

Be it known that I, HENRY E. JOHNSON, a citizen of the United States, and a resident of Yeadon, in the county of Delaware and State of Pennsylvania, have invented certain new and useful Improvements in Fans, of which the following is a specification.

My invention relates to improvements in fans and the object of my invention is to furnish a collapsible fan having upon one or both sides auxiliary folds which when exposed will show separate and distinct words, designs or figures.

In the accompanying drawings forming part of this specification and in which similar letters of reference indicate similar parts throughout the several views:—Figures 1 and 2 are respectively a front elevation of one side and a plan of a three faced fan constructed according to my invention. Figs. 3 and 4, similar views of the other side of the fan; Figs. 5 and 6, similar views of the fan shown in Figs. 1 and 2 when it is opened in a direction opposite to that shown in these latter figures; Figs. 7 and 8, a rear elevation and plan of the fan shown in Fig. 5; Fig. 9, a plan of part of a fan having folds so as to show different faces upon both sides according to the way that it may be opened.

The fan shown in Figs. 1—8 may be called a three faced fan. Opposite faces of the fan when opened in one direction are shown in Figs. 1 and 3, opposite faces when opened in an opposite direction are shown in Figs. 5 and 8 from which it will be seen that the fan has three faces, the word "Robin" appearing in both cases upon one side but the words "Peacock" and "Canary" appearing upon the other side according as the fan may have been opened from right to left or from left to right.

To accomplish the results shown the sticks *a* of the fan are carried at their lower ends, as is usual, upon a pivot *b* and they are arranged

in pairs each pair of sticks being secured to an auxiliary fold, as *c*, one edge of which, as *d*, is secured by a hinge to the corresponding edge of a fold *f*, the fold *c*, when the fan is opened as shown in Figs. 1 and 2, overlying the fold *f*. *g* are folds joining the folds *f* as shown and forming with the folds *f* the face of the fan as ordinarily constructed. If now the fan be closed and opened in a direction opposite to that shown in Figs. 1—3, see Figs. 5—6—7 8, the position of the auxiliary folds *c* will be reversed, that is they will be over the folds *g* instead of the folds *f* covering these folds *g* and exposing the folds *f* and at the same time turning from view the sides of the folds *c* which were visible in Fig. 1, and bringing into view the sides that were invisible in this figure. The opposite side of the fan shown in Figs. 1—3—5—6 being without a fold *c* appears in all cases the same but if desired both sides of the fan may be furnished with folds *c*—as indicated in Fig. 9, in which case the fan will present four distinct faces at the option of the operator.

Having thus described my invention I claim as new and desire to secure by Letters Patent:

1. A collapsible fan provided with auxiliary folds one edge of which is hinged to one edge of the ordinary folds of the fan and which are adapted when the fan is opened in one direction to cover one fold of the fan and when the fan is opened in the other direction to cover the adjacent fold of the fan.

2. The combination with a collapsible fan of auxiliary folds hinged at one edge to every other one of the edges of the ordinary folds of the fan, sticks carrying said auxiliary folds, and a pivot carrying the outer ends of said sticks.

HENRY E. JOHNSON.

Witnesses:

GEORGE W. SELTZER,  
CHARLES A. RUTTER.