

(No Model.)

H. BIRCKENSTADT.
Fan.

No. 229,361.

Patented June 29, 1880.

Fig: 1.

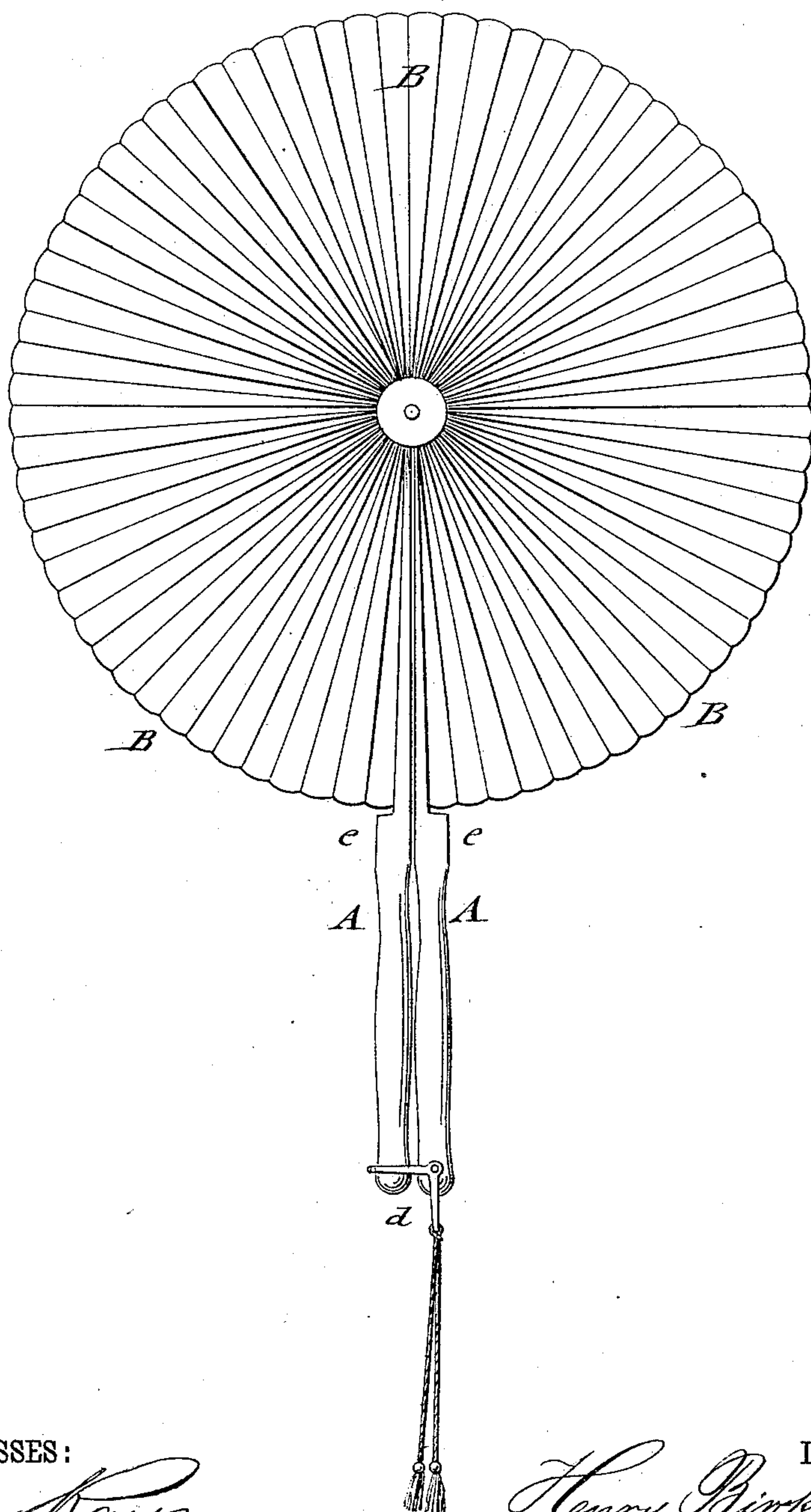


Fig: 2.

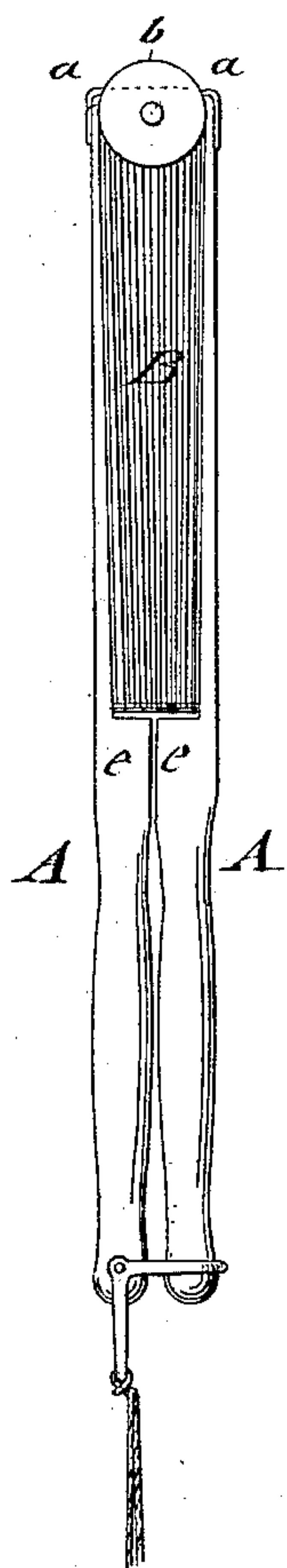
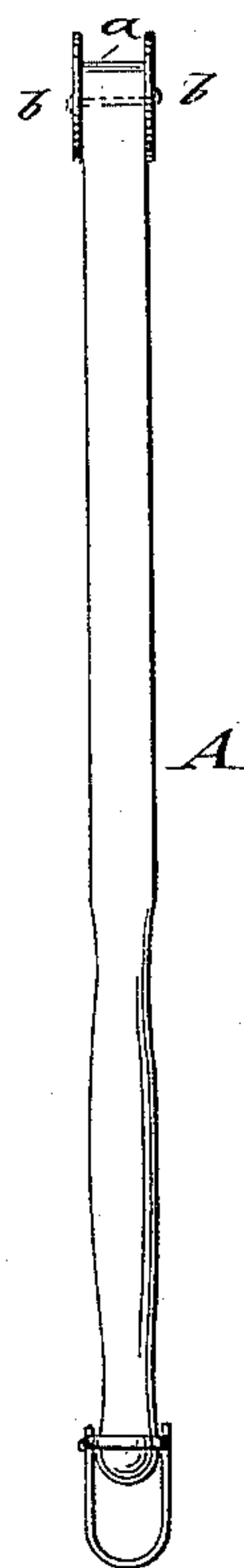


Fig: 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY BIRCKENSTADT, OF NEW YORK, N. Y., ASSIGNOR TO ERNESTINE FRIEDMANN, OF SAME PLACE.

FAN.

SPECIFICATION forming part of Letters Patent No. 229,361, dated June 29, 1880.

Application filed April 14, 1880. (No model.)

To all whom it may concern:

Be it known that I, HENRY BIRCKENSTADT, of the city, county, and State of New York, have invented certain new and useful Improvements in Fans, of which the following is a specification.

In the accompanying drawings, Figures 1 and 2 represent side elevation of my improved fan, (shown respectively in open and folded position,) and Fig. 3 is an end view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved fan of that class in which two handles are connected by a hinge at one end and the circular web of the fan is either folded up between the handles when they are placed face to face or the web spread out when the handles are placed back to back.

The invention consists of two handles, which are connected by a hinge at one end, the web of the fan being attached to their upper flat portions, while the handle portions below the web are provided with projections or cheeks.

Referring to the drawings, A A are the handles, and B is the web, of my improved fan. The handles A A are connected at one end by a leather or other hinge, *a*, which is covered by ornamental side disks, *b b*, connected to the center of the web in suitable manner.

At the opposite end of the handles is arranged a catch or other fastening device, *d*, which is preferably connected to one handle, and adapted to be readily placed over the other handle or to be released therefrom. The upper half of each handle, to which the web B of the fan is applied, is made flat, while the lower part of the handle is made either of oblong or circular cross-section, so as to form the handle proper, and arranged with projecting portions or cheeks *e*, the side faces of which are preferably flat, so as to form contact with each other when the fan is closed, as in Fig. 2.

The flat upper portions of each handle, together with the projecting cheeks *e*, form a space, between which the fan, when folded up, is neatly and securely stored. The contact of the side faces of the cheeks secures the handles in a steady position sidewise of each other without varying the size of the space within which the web is folded up or the degree of compression of the folds. Thereby one of the main reasons for the rapid wearing out of the fans of this class is obviated.

I am aware that fans having straight handles which are connected by a hinge at the end and adapted to fold up the web between them are well known; but in all these fans there is an uneven compression of the folds of the web, so that they wear out quickly and are liable to break, which I have entirely overcome by the arrangement of the projecting portions or cheeks below the web.

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

1. As an improvement in fans the handles of which are connected by a hinge at one end and adapted to hold the web between them, the projecting portions or cheeks *e*, arranged below the fan, substantially as set forth.

2. As an improvement in fans, the combination of the handles A A, being hinged together at one end and provided with flat upper portions and projections or cheeks below the same, with a web, B, attached to the flat portion of the handles, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 8th day of April, 1880.

HENRY BIRCKENSTADT.

Witnesses:

PAUL GOEPEL,
CARL KARP.