

No. 865,484.

PATENTED SEPT. 10, 1907.

F. O. ELLIS.
EYE SHADE.

APPLICATION FILED JULY 7, 1906.

Fig. 1.

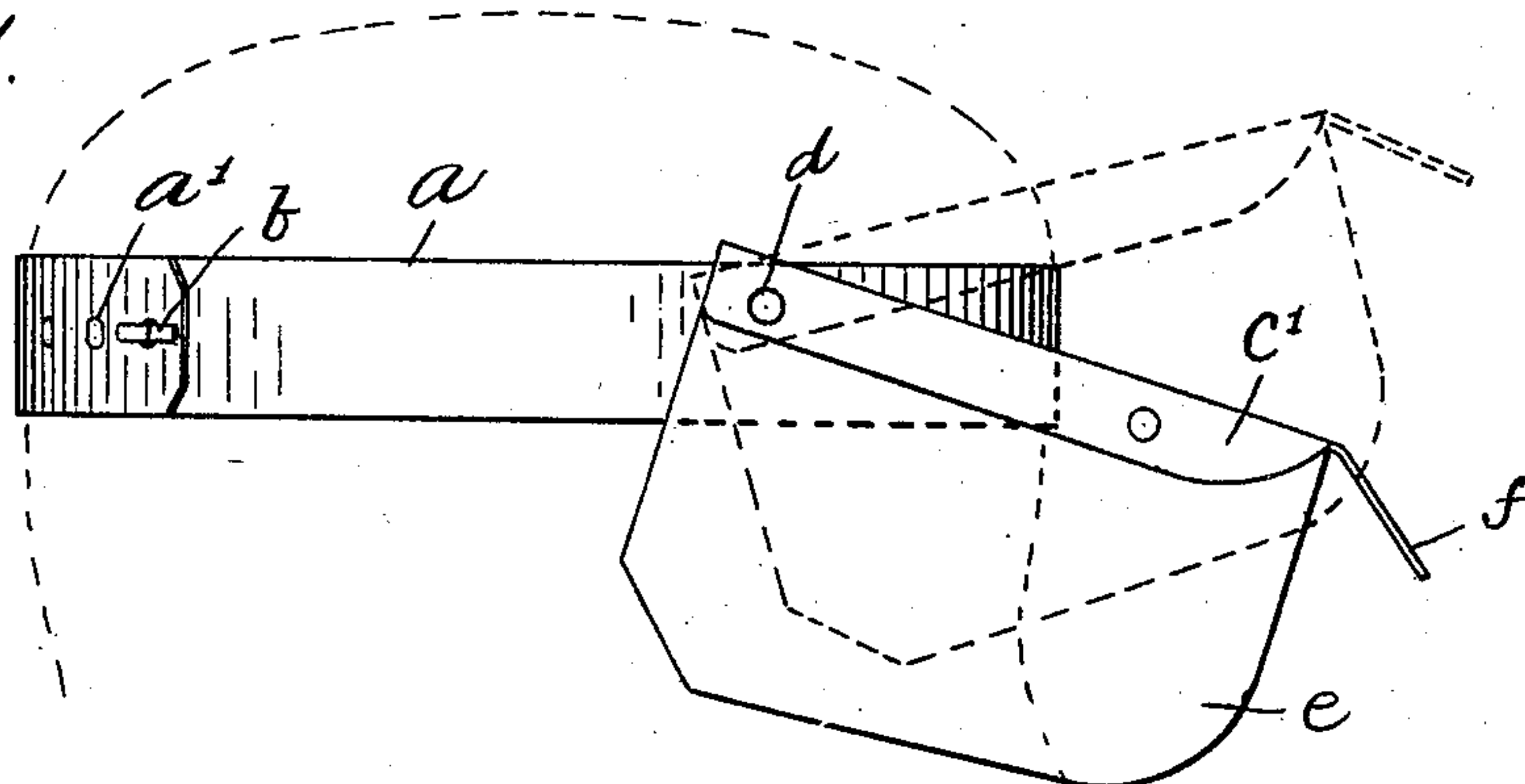


Fig. 2.

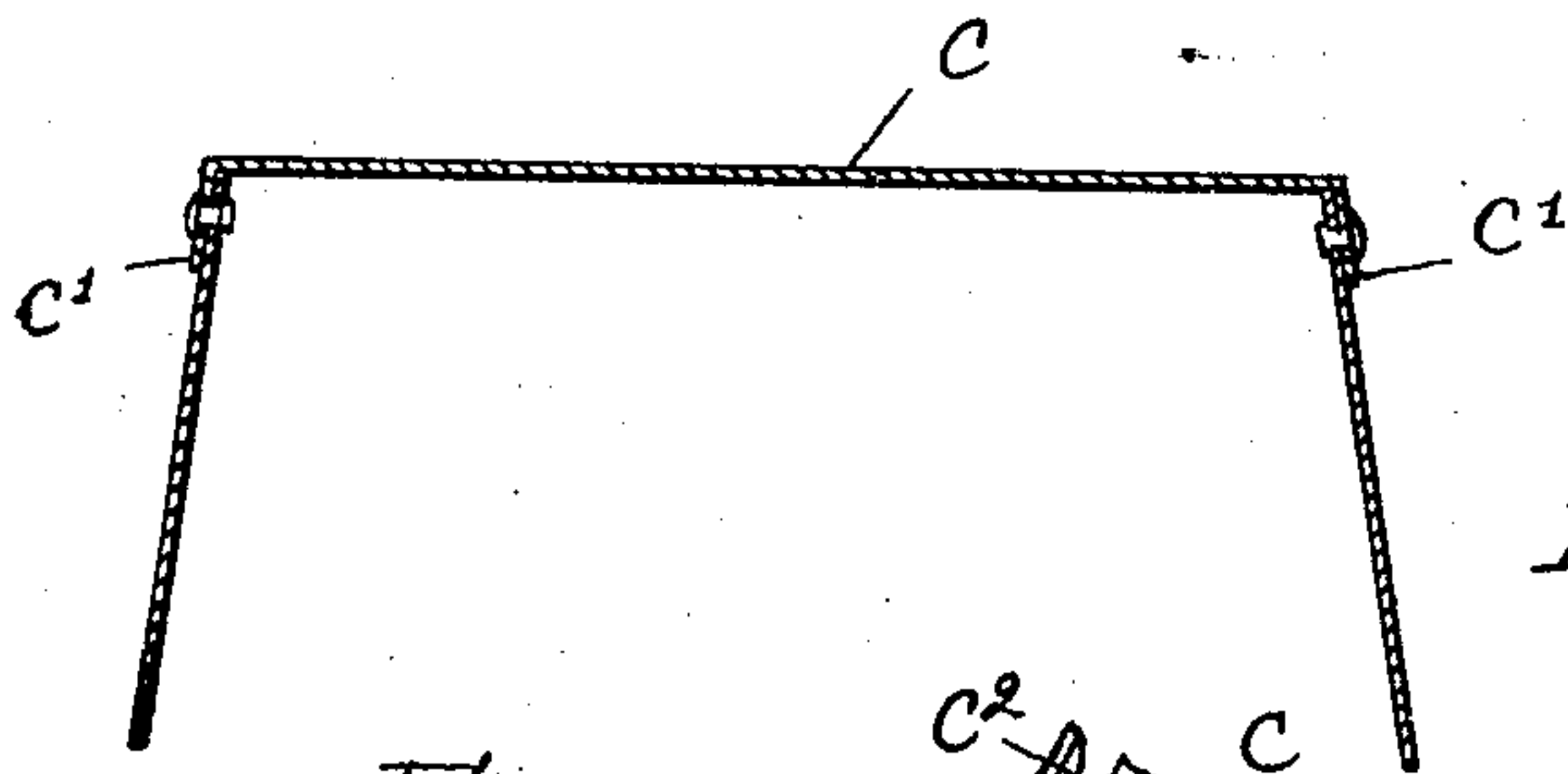
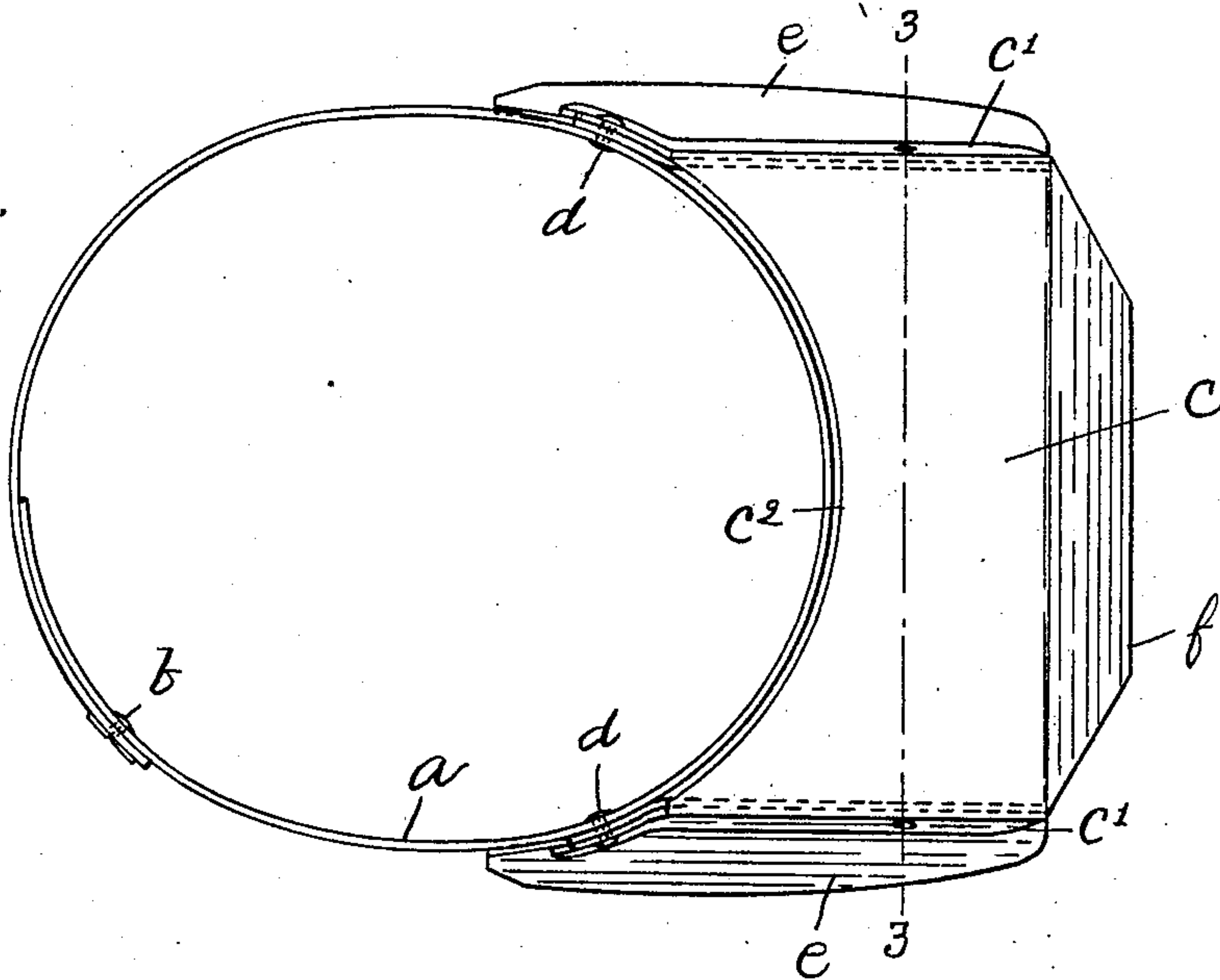
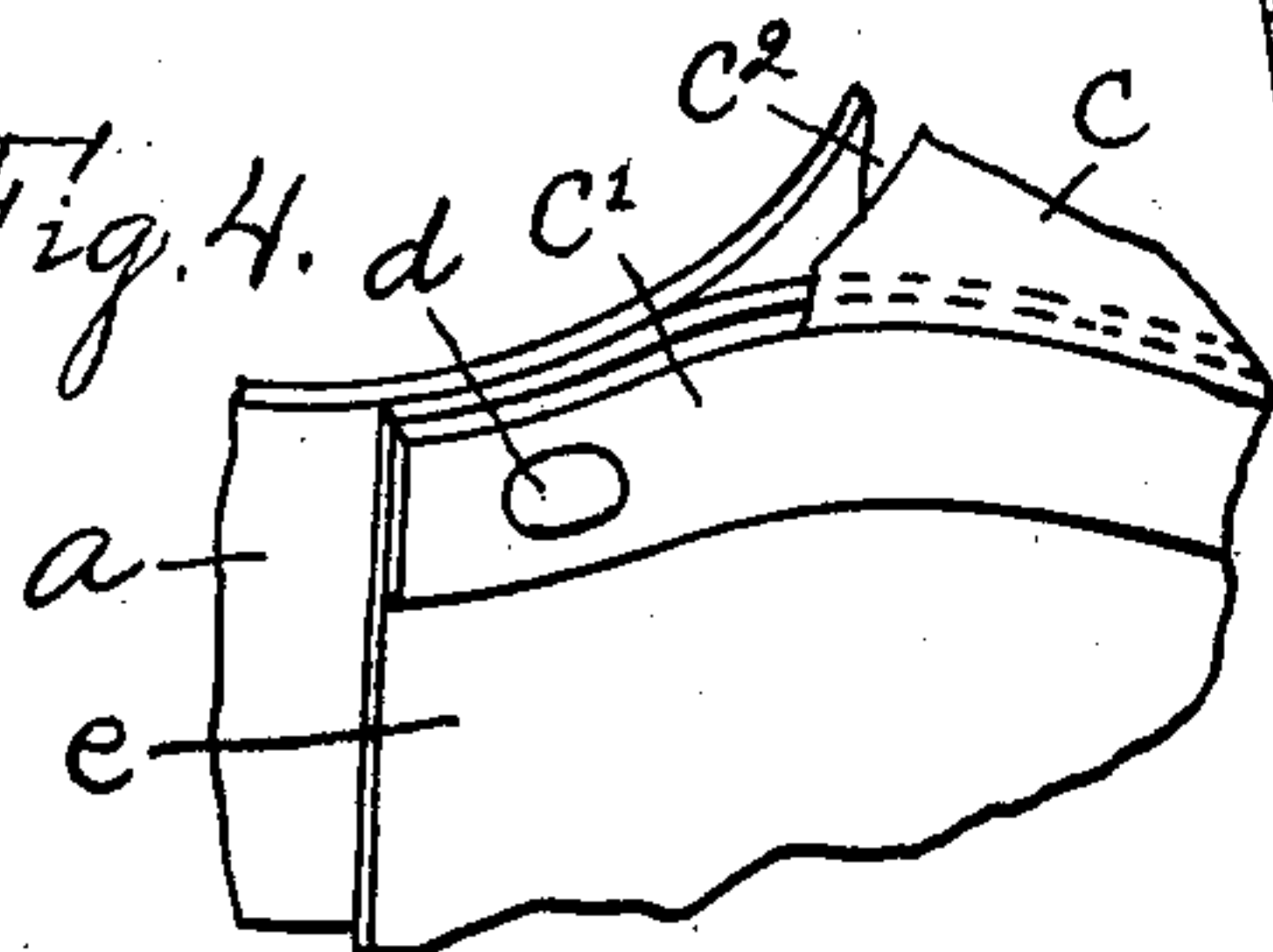


Fig. 3.

Witnesses: *H. B. Davis.*
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UNITED STATES PATENT OFFICE.

FRANK O. ELLIS, OF SANDWICH, MASSACHUSETTS.

EYE-SHADE.

No. 865,484.

Specification of Letters Patent.

Patented Sept. 10, 1907.

Application filed July 7, 1906. Serial No. 325,096.

To all whom it may concern:

Be it known that I, FRANK O. ELLIS, of Sandwich, Massachusetts, have invented an Improvement in Eye-Shades, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

The object of my invention is to produce an inexpensive form of eye-shade which is adapted to be held securely on the head without discomfort to the wearer, which is adjustable to varying conditions and is adapted to shield the eyes from side lights which might otherwise be reflected from the inner side of eye glasses or spectacles into the eye. I accomplish these objects by the means shown in the accompanying drawing in which,—

Figure 1 is a side elevation of an eye-shade made according to my invention. Fig. 2 is a plan view thereof. Fig. 3 is a section on line 3—3 of Fig. 2. Fig. 4 is a detail perspective view of one of the joints between the shade and head band.

According to my invention, I provide a head band *a*, preferably of card-board, so that it will be flexible and inelastic, and therefore comfortable to the head, and I provide the ends of said band with a series of holes *a'* through which a paper fastener *b* may be conveniently passed, so that the band may be circumferentially adjusted to fit the head of the wearer.

A vizor *c* is provided, said vizor preferably consisting of a flat piece of card-board having its side edges bent downward to form flanges *c'*, and having an inwardly curved rear edge *c''* which corresponds to the curvature of the front portion of the band when on the head, said curved edge *c''* terminating a short distance in front of the rear ends of the flanges *c'*, so that rearwardly extending ears are thus formed, which bear against the side of the band *a* and through both of which fasteners *d* are passed, so that the vizor is pivotally connected to the band. Side shades *e*, also preferably of card-board, are connected at their upper edges to the flanges *c'* by means of fasteners, or other suitable means, and extend rearwardly to the rear ends of flanges *c'*, so that they lie between them and the band, and the fasteners *d* also pass through said side shades, as best shown in Fig. 4. This construction is considered preferable to a construction in which the side shades are integral with the vizor, as it enables the provision of a double thickness of material at the point at which the vizor is pivotally connected to the head-band.

The front end of the vizor is preferably provided with a downwardly bent front shade *f*, as shown.

Sufficient space between the band *a* and the correspondingly curved rear edge *c''* of the vizor is provided to permit the latter to be adjusted on the pivots *d* to

various inclinations, as indicated in dotted and full lines in Fig. 1, the outward bending of the rear ends of side shades *e*, when the band *a* is held in shape by the head of the wearer, causing sufficient frictional engagement therebetween to hold the vizor in any position to which it may be adjusted, such adjustment being desirable to suit varying conditions.

The flexible band may be easily adjusted to fit the head of the wearer, so that it holds the shade or vizor securely in position without discomfort to the wearer, and, as the vizor is pivoted thereto, if it is desired to have the vision entirely unobstructed, the vizor may be swung up over the head, thus making it unnecessary to remove the shade.

As the rear ends of the side shades extend downward from the band *a* at points adjacent the point of connection of the vizor therewith, they bear against, or extend close to the side of the head of the wearer, so that side lights or light coming over the shoulder cannot enter the eye either directly or by reflection on the inner sides of the eye glasses.

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

1. An eye shade comprising a supporting head-band, a vizor having depending portions pivotally mounted on the outer side of said band at opposite sides thereof and formed and disposed with relation to said band to permit it to be swung from a position below to a position above the band, substantially as described.

2. An eye-shade comprising a head-encircling band and a vizor in front of said band having depending side shades at each side thereof, said side shades extending rearwardly at opposite sides of said band and being connected to the outer sides thereof, substantially as described.

3. An eye-shade comprising a head-encircling band, and a vizor having depending ears pivotally connected to the side of said band, said vizor being thereby adapted to be adjusted to different inclinations, substantially as described.

4. An eye-shade comprising a head-encircling band, a horizontally disposed vizor having depending ears pivotally connected to the side of said band, and having a curved rear edge corresponding to the shape of said band and extending between said ears, substantially as described.

5. An eye-shade comprising a head-encircling band, a horizontally disposed vizor having depending side shades at each side thereof, and a pivoted connection between said side shades and said band, substantially as described.

6. An eye-shade comprising a head-encircling band, a horizontally disposed vizor connected to and partly encircling said side band, said vizor having depending side shades at each side thereof extending forwardly and downwardly from opposite sides of the band, substantially as described.

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

FRANK O. ELLIS.

Witnesses:

L. H. HARRIMAN,
H. B. DAVIS.