

Waterman & Perkins,

Capn.

No. 79420.

Patented June 30 1868.

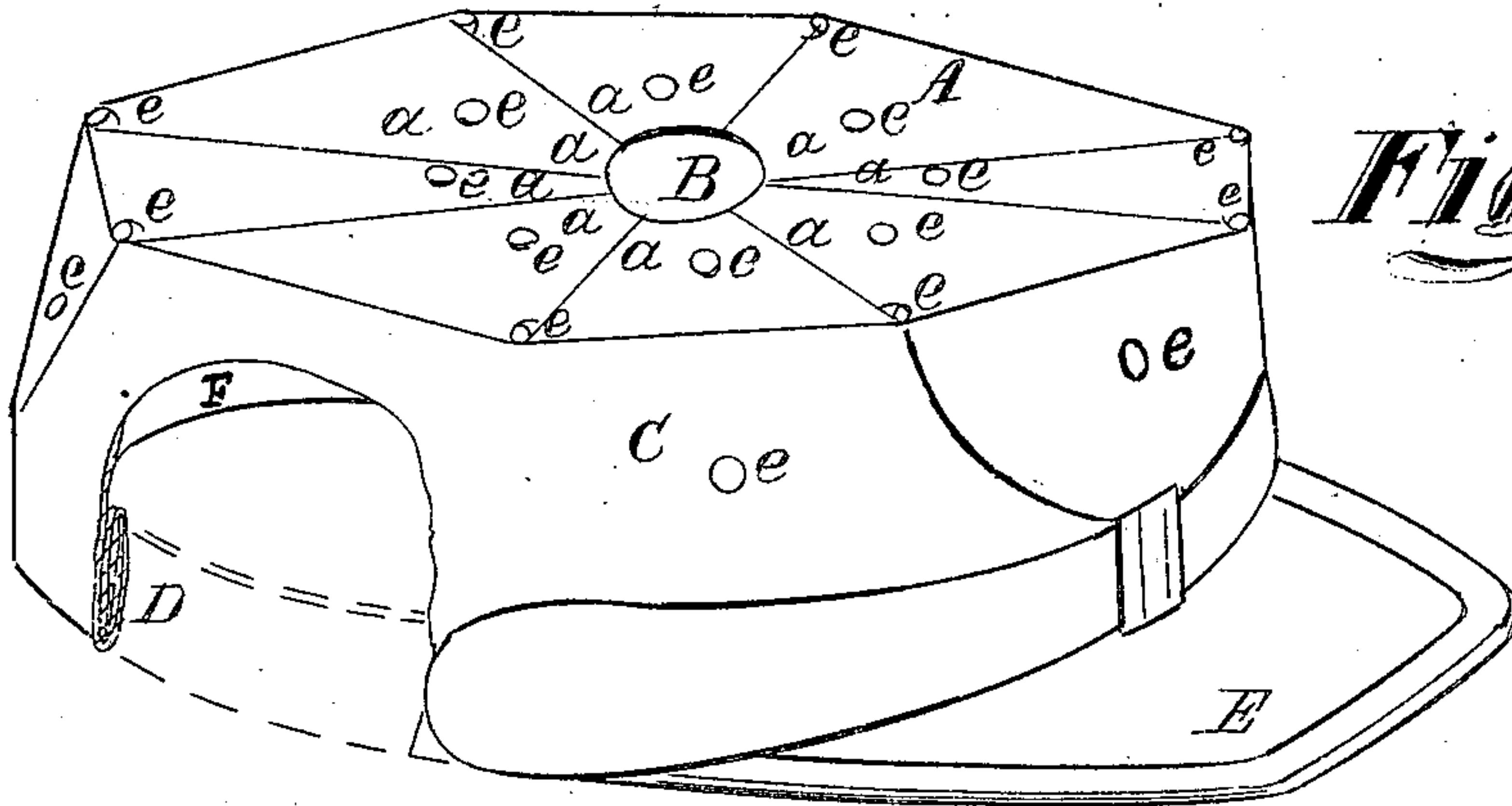
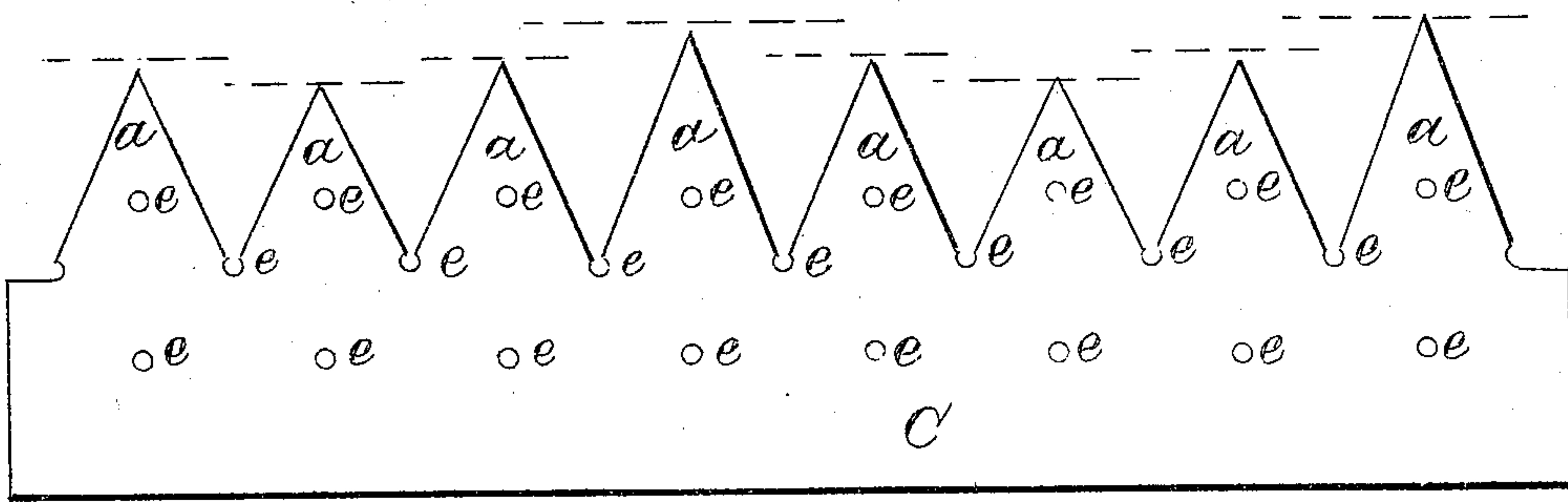


Fig. 1.

Fig. 2.



Witnesses.
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NEHEMIAH WATERMAN AND ALFRED T. PERKINS, OF TOLEDO, OHIO.

Letters Patent No. 79,420, dated June 30, 1868.

IMPROVEMENT IN PAPER CAPS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, NEHEMIAH WATERMAN and ALFRED T. PERKINS, both of Toledo, in the county of Lucas, and State of Ohio, have invented a new and useful Paper Cap; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which are made a part of this specification.

This cap is made of paper, paper parchment, or paper and cloth combined, the object being to supply a slightly and sufficiently durable article at a moderate price.

The invention consists in a peculiar manner of cutting and securing the parts.

Figure 1 is a perspective view of a cap illustrating our invention.

Figure 2 is a view showing the machine-cut blank or piece of material out of which the cap is to be formed.

Similar letters of reference indicate corresponding parts in the two figures.

The material to form the crown or body of the cap may be in one or more pieces, but we prefer to make the same of a single piece, which, by means of a suitable die or dies, we first cut into the shape shown in fig. 2, so that the top, A, of the hat shall consist of a number of sectoral portions, *a a a*, which are secured together at the centre by means of a seal or patch, B, made fast by adhesive material, but they may be secured together in any other equally cheap and desirable manner. The side C of the crown, or, in other words, that part of the hat which encircles the head, is made to assume the desired angle with the top, A, either by hand or mechanical means; and said encircling part C is strengthened by a band, D, of stiff paper. A piece of paper may be pasted over and upon the two extremities of the part C to secure them together when the material (fig. 2) has been made to assume the form of a hat or cap, as shown in fig. 1. The material is perforated, as at *e e e*, to afford ventilation, and by making these perforations at the junctions of the sectoral portions *a* with the side C, the formation of rumples or projections is prevented.

The visor or brim E is of the same kind of material as the body of the cap, and both may be made out of a single piece, or the visor may be made separately, and secured thereto in any desired manner.

F is a lining, of oil-skin or other suitable material, which may be pasted or otherwise held to the surface of the band D, at the inside of the hat, and which serves to protect the paper from sweat.

It is the intention to make the hat or cap impervious to water by a coating of varnish or a water-proof composition.

In fig. 1 the cap is represented as having imitation binding and buckle-strap.

By cutting our pattern in the form shown in fig. 2, with sectors of unequal length, we are enabled to secure the whole together in the centre with less protuberance, and the necessary lapping of their edges does not prevent the seal B holding every one securely.

We are aware that paper hats and caps have before been made in various ways; but

What we claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, the paper cap or hat herein described, formed of paper or analogous material, with a number of sectors, *a a a*, secured at the centre by a seal, B.

NEHEMIAH WATERMAN,
ALFRED T. PERKINS.

Witnesses:

C. F. ADAMS,
RALPH OSBORNE.