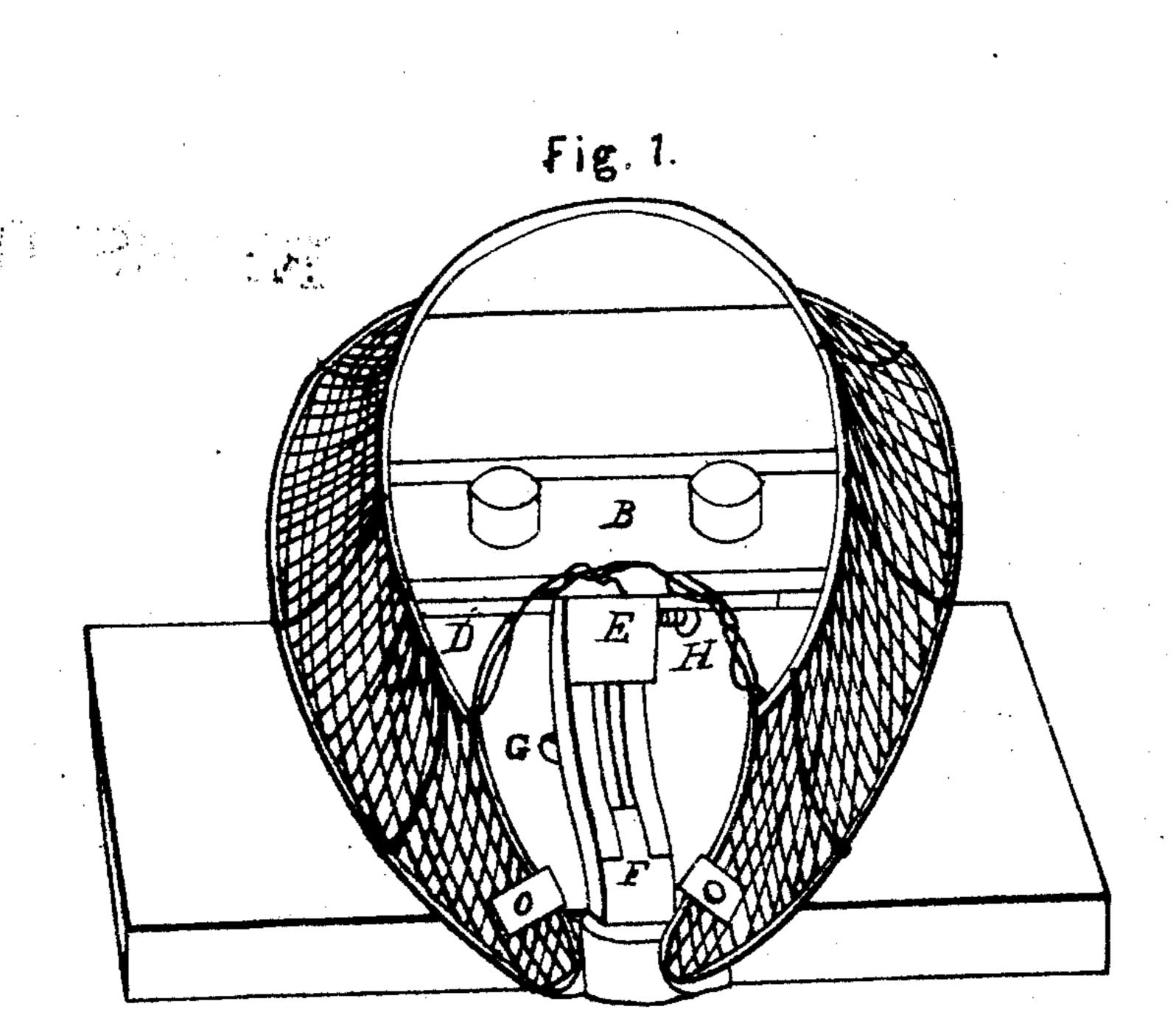
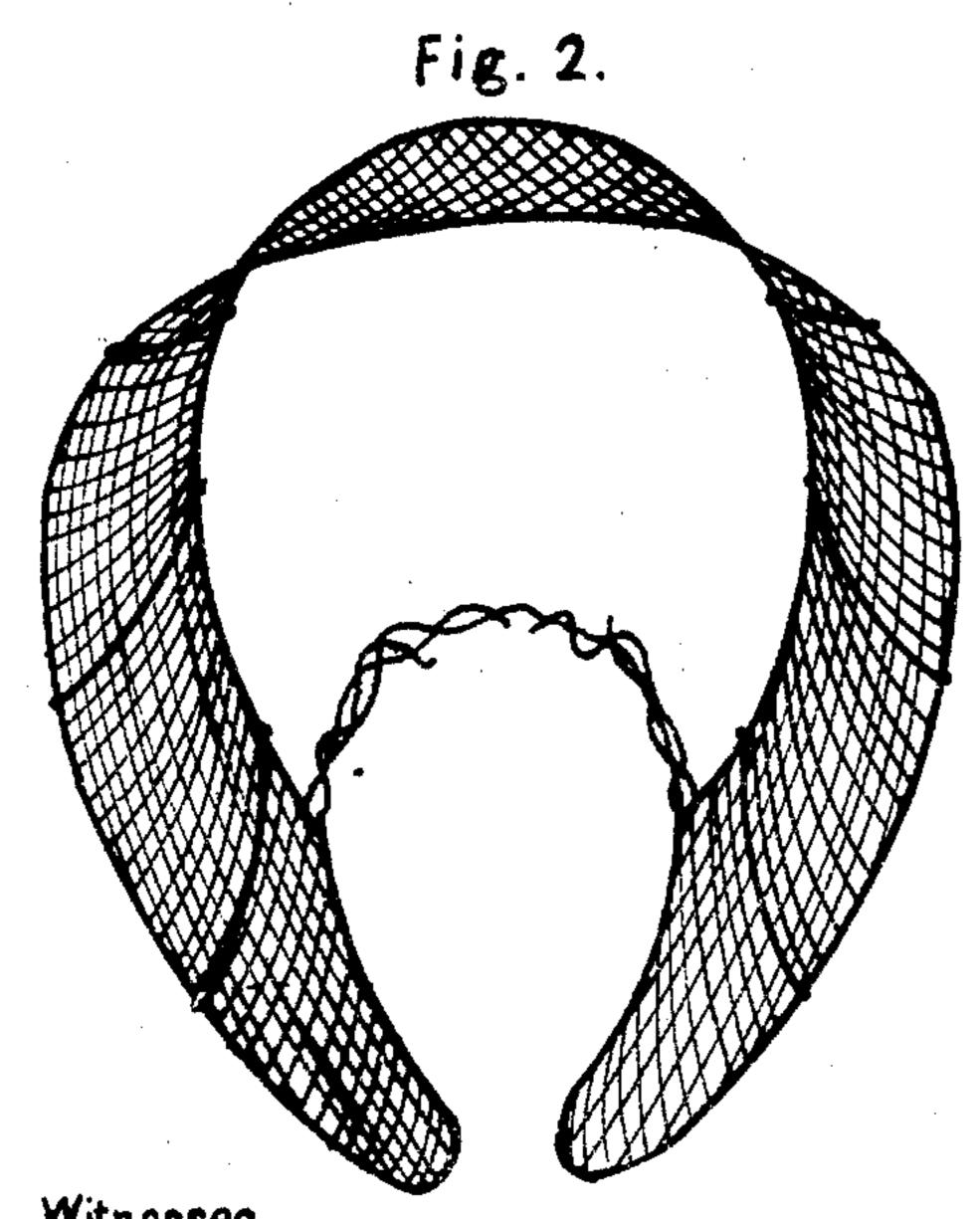
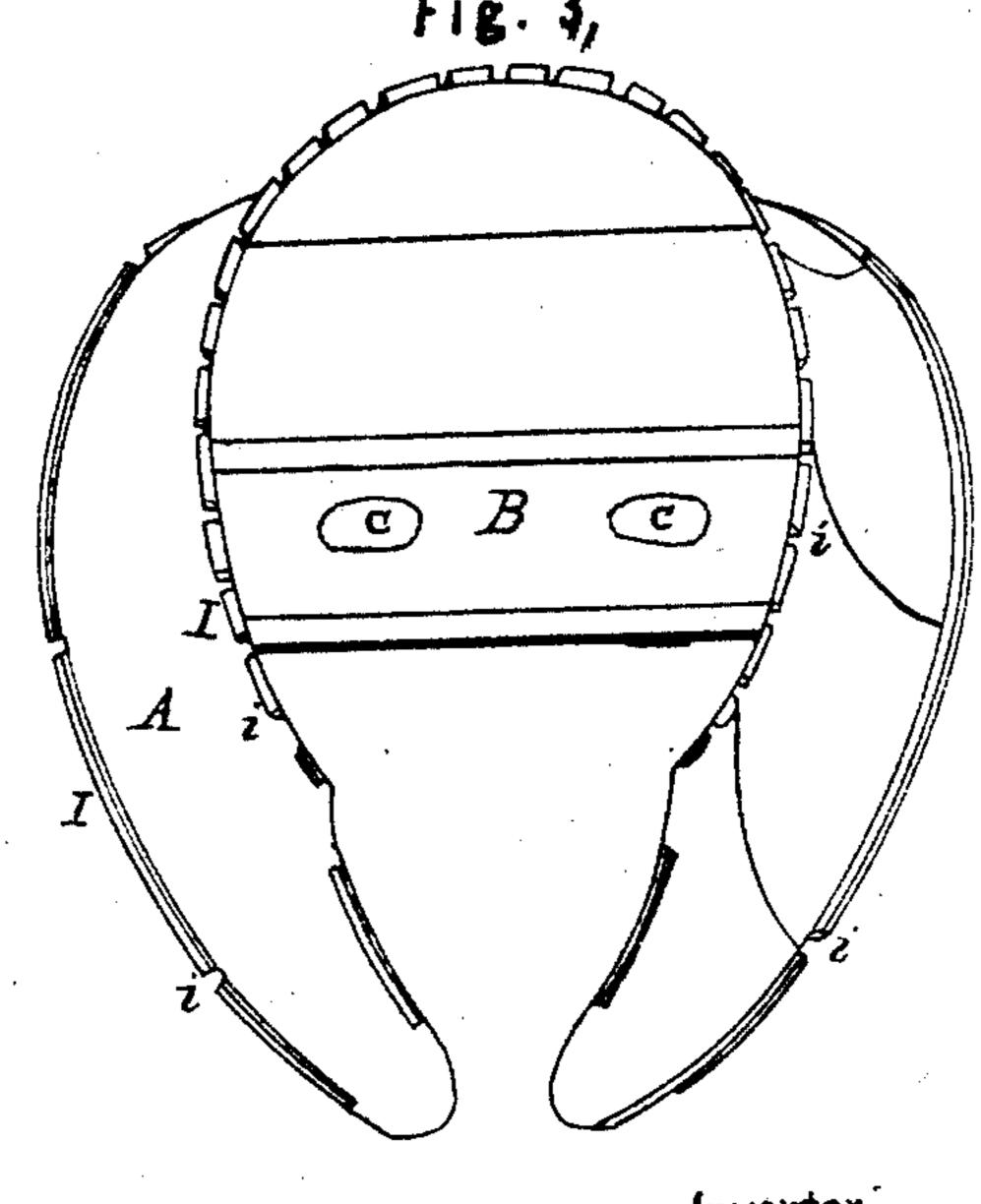
## G. A.COX. Bonnet. Patented Jan. 17, 1860.





JYº226836



Witnesses. Honny. Graggan A. Lishey. Loane:

Geo a box

## UNITED STATES PATENT OFFICE.

GEO. A. COX, OF BROOKLYN, NEW YORK.

## FORMER FOR BONNET-FRONTS.

Specification forming part of Letters Patent No. 26,836, dated January 17, 1860; Reissued April 23, 1861, No. 1,175.

To all whom it may concern:

Be it known that I, George A. Cox, of Brooklyn, in Kings county and the State of New York, have invented, made, and ap-5 plied to use a new and Improved Machine for Forming the Fronts of Bonnet-Frames of Wire and Net; and I do declare the following to be a full and exact description of the same, reference being had to the accompany-10 ing drawings and to the letters of reference marked thereon.

In the drawings, like parts of the inven-

tion are indicated by the same letters.

Figure I is a view of my improved ma-15 chine, showing a bonnet front formed of wire and net, when completed; Fig. II, a view of the wire and net front when completed; Fig. III, a view of that portion of the machine known as the former.

have heretofore been made in connection | ters (i, i, i, i). These grooved rims I, I with the frame itself, by using buckram as a pattern to which the wire necessary to form the frame work has been basted. After 25 this has been done, the net or material for covering is sewed over the wire forming the frame work. The wire and net front in connection with the frame being thus formed is ripped from the buckram pattern and is

30 ready for use. The machine, I have perfected and found to operate successfully, affording the advantage of a saving of time and material and reducing the cost of the article produced at 35 least twenty-five per cent., consists of the fol-

lowing parts: a former A, made of copper or other metal, and bent into the desired shape; a cross-piece of metal B extending across the interior of the same and provided 40 with two openings C, C, serves to support

the former A upon a frame-work of iron or any material. This framework for supporting the former A consists of a cross-piece D,

upon which by means of the metallic crosspiece B provided with the openings C, C, 45 the former A rests. This cross-piece D is attached directly to a block E, the axis of which plays in a slotted upright F, so that by means of screw G, the former A can be raised or lowered and may be adjusted longi- 50 tudinally by moving it along the slot Fwhile its position in respect to the party working may be readily changed by rotating the former A on the axis of the block F the set screw H being employed to retain it in 55

any desired position.

The machine being thus constructed, my mode of forming the wire and net front of a bonnet frame is as follows: It will be observed that the former A, is provided at its 60 upper and lower edges with a grooved rim (I, I) and that certain portions of the same, The wire and net fronts of bonnet frames | have been cut away as indicated by the letform gutters for the reception of the wire 65 to form, in conjunction with cross-pieces of wire extending from i to i, and bent around the main portion of wire by pincers the framework of the front, the wire being held to the former A by means of clamps O, O. 70 After the frame-work has been formed, the net or material used for covering, is sewed upon it and the front is finished and ready for use.

Having thus described my invention what 75 I claim as new and desire to secure by Letters Patent is—

The use or employment of the former A, in combination with the frame composed of the parts D, E and F, when arranged and 80 operated in the manner described and for the purpose specified.

GEO. A. COX.

Witnesses:

HENRY G. FOGGAN, A. SIDNEY DOANE.