

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 applied 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 accompanying drawings and to the letters of reference marked thereon.

In the drawings, like parts of the invention are indicated by the same letters.

Figure I is a view of my improved machine, 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.

The wire and net fronts of bonnet frames have heretofore been made in connection with the frame itself, by using buckram as a pattern to which the wire necessary to form the frame work has been basted. After 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 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 least twenty-five per cent., consists of the following 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 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 cross-piece B provided with the openings C, C, 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 longitudinally by moving it along the slot F—while 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 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 upper and lower edges with a grooved rim (I, I) and that certain portions of the same, have been cut away as indicated by the letters (*i, i, i, i*). These grooved rims I, I form gutters for the reception of the wire 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. 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 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 operated in the manner described and for the purpose specified.

GEO. A. COX.

Witnesses:

HENRY G. FOGGAN,
A. SIDNEY DOANE.