To all whom it may concern:

Be it known that I, WINTHROP M. JAMESON, a citizen of the United States, and a resident of Cambridge, county of Middlesex, State of Massachusetts, have invented an Improvement in Forms for Making Twisted-Wire Hat-Frames, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention has for its object the production of a cheap and convenient form or block for facilitating the manufacture of twisted-wire hat-frames for ladies, particularly adapted for the making of such hat-frames as are of relatively simple shape and which can be readily removed from the form when completed.

The twisted-wire frame is composed of round-and-round wires, which give the curved shape to the crown and brim, and connecting fore-and-aft wires, which radiate from a common point on the top of the crown and are twisted around the several round-and-round wires.

My present invention is well adapted for making frames which are "stock shapes," and its construction is so simple and cheap that a frame-maker can easily keep on hand a sufficient number for the stock or standard shapes without a large expenditure, such shapes being generally of a relatively simple character.

The various novel features of my invention will be fully described in the subjoined specification and particularly pointed out in the following claims.

Figure 1 is a perspective view of a form for making hat-frames embodying my invention, the support being omitted; and Fig. 2 is a vertical section thereof on the line 2 2, Fig. 1, showing the support in elevation.

In accordance with my present invention the form comprises a crown or crown-block a, preferably made of a piece of wood of sufficient thickness to give the desired height to the crown, and a brim-support b, connected therewith and conveniently made of wooden planking. The crown a may be circular, oval, or elliptical, in accordance with the desired shape for the crown of the completed hat-frame, and the contour of the brim-support b corresponds to the general outline of the hat-brim. The two parts are connected in any suitable manner, and herein I have shown two upright pins b, secured to the brim-support to enter corresponding holes in the crown portion or block a, thus detachably connecting the parts. Inwardly-converging slots b^ were formed in the brim-support, extending from its periphery to and under the crown portion, (see Fig. 2,) and a like number of radiating slots a^ were made in the latter, so that when crown and brim-support are connected the slots a^ will be over and register with the inner ends of the slots b^.

The outer ends of the slots b^ may be flared, as at b^, to facilitate the handling of the fore-and-aft wires in making the hat-frame.

To position the round-and-round wires, I provide guide-pins, driven into both crown and brim-supporting portions of the frame, a single series of pins, as 2, being mounted on the top of the crown a near its periphery, and preferably the pins are arranged in pairs adjacent and at opposite sides of the slots a^.

The series of pins 2 position the crown-wire C, (shown in section, Fig. 2,) the said wire crossing the several slots, as will be manifest.

On the brim-support b I provide a series of single pins 3 adjacent the perimeter of the crown-block and located adjacent and on opposite sides of the slots, as shown in Fig. 1, to position the head-wire H, Fig. 2.

Herein I have shown two more series of guide-pins 4 and 5 on the brim-support, but with the pins set in pairs or double, the series of pins 5 being near the periphery of the brim-support and the series 4 between the head-wire pins 3 and the outer series 5. Both series are arranged substantially as are the other series—that is, with the pairs of pins adjacent and on opposite sides of the slots b^.

An upright post or support M, having a suitable base M^, Fig. 2, is shaped at its upper end to enter loosely a socket b^ in the brim-support to sustain the form at a convenient height and permit the operator to rotate it from time to time during the formation of the hat-frame.

The device is used as follows: The operator lays on the crown-wire C, positioning it by means of the series of pins 2, and a fore-and- aft wire is then laid across the top of the crown-block a and twisted one or more times around the part of the wire C, crossing a slot a^, the slot greatly facilitating such twisting. The free end of the fore-and-aft wire is then left hanging down through the slot, the form is rotated on its support M, and the wire is twisted around the crown-wire C at the opposite side. This operation is repeated with...
one after another of the fore-and-aft wires until the desired number have been applied and twisted about the crown-wire. The headwire H is then applied and positioned by the pins 3, and the hanging ends of the fore-and-aft wires are taken up one after another and twisted about such wire H at the parts thereof which cross the slots. Thereafter the intermediate brim-wire B' is applied, positioned by the pins 4, and the fore-and-aft wires are twisted about it, and finally the outer wire B is positioned by the pins 5 and the fore-and-aft wires are twisted around it and cut off.

By means of the slots the fore-and-aft wires can be readily and quickly handled and twisted about the several round-and-round wires, the latter being firmly positioned and held by the arrangement of the guide-pins adjacent and on opposite sides of the slots. When the hat-frame is completed, the round-and-round wires are lifted off the form by disengaging them from the pins.

While the brim-support is flat, it will be manifest that various ends or flares can be imparted to the brim after removal of the hat-frame from the form.

The construction of the form is exceedingly simple and strong and very cheap, and it is thoroughly well adapted for the formation of hat-frames involving no complex bell or other formations.

By flaring the outer ends of the slots δ the passage of the fore-and-aft wires into such slots is facilitated.

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

1. A form for making twisted-wire hat-frames, comprising a crown, a connected, laterally-extended brim-support having inwardly-converging slots extended from its periphery to and into the crown, to facilitate the twisting of the fore-and-aft wires, and guide-pins on the form to position the round-and-round wires on the crown and brim-support.

2. A form for making twisted-wire hat-frames, comprising a solid crown, a flat and rigidly-connected, laterally-extended brim-support having inwardly-converging slots extended from its periphery into the crown, to facilitate the twisting of the fore-and-aft wires, and series of guide-pins on the brim-support to position the brim-wires thereupon.

3. A form for making twisted-wire hat-frames, comprising a crown, a connected, laterally-extended brim-support having inwardly-converging slots extended from its periphery to and into the crown, to facilitate the twisting of the fore-and-aft wires, and guide-pins on the form located adjacent the slots to position the round-and-round wires on the crown and brim-support.

4. A form for making twisted-wire hat-frames, comprising a block-crown, a connected, and laterally-extended brim-support having inwardly-converging slots extended from its periphery to and into the crown-block, and guide-pins on the crown and brim-support, arranged adjacent and on opposite sides of the slots, to position the round-and-round wires.

5. A form for making twisted-wire hat-frames, comprising a block-crown provided with radiating slots, a flat brim-support detachably connected with and supporting the crown and having radiating slots extended inward from its periphery and registering at their inner ends with the crown-slots, to facilitate the twisting of the fore-and-aft wires, and series of guide-pins on the crown and brim-support located adjacent and on opposite sides of the slots, to position the round-and-round wires.

6. A form for making twisted-wire hat-frames, comprising a crown, a connected, laterally-extended brim-support having inwardly-converging slots extended from its periphery to and into the crown, to facilitate the twisting of the fore-and-aft wires, and guide-pins on the form to position the round-and-round wires, and an upright support on which the form is rotatably mounted.

7. A form for making twisted-wire hat-frames, comprising a crown, a connected, laterally-extended brim-support having inwardly-converging slots extended from its periphery to and into the crown, to facilitate the twisting of the fore-and-aft wires, and guide-pins on the form to position the round-and-round wires on the crown and brim-support, the outer ends of the slots in the brim-support being flared to facilitate the entrance of the fore-and-aft wires.

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

WINHTROP M. JAMESON.

Witnesses:

JOHN C. EDWARDS,

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