(No Model.) 2 Sheets—Sheet 1.

A. BOBSIEN.

MACHINE FOR IRONING BRIMS OF STRAW HATS.

No. 602,280. Patented Apr. 12, 1898.

Fig: 1

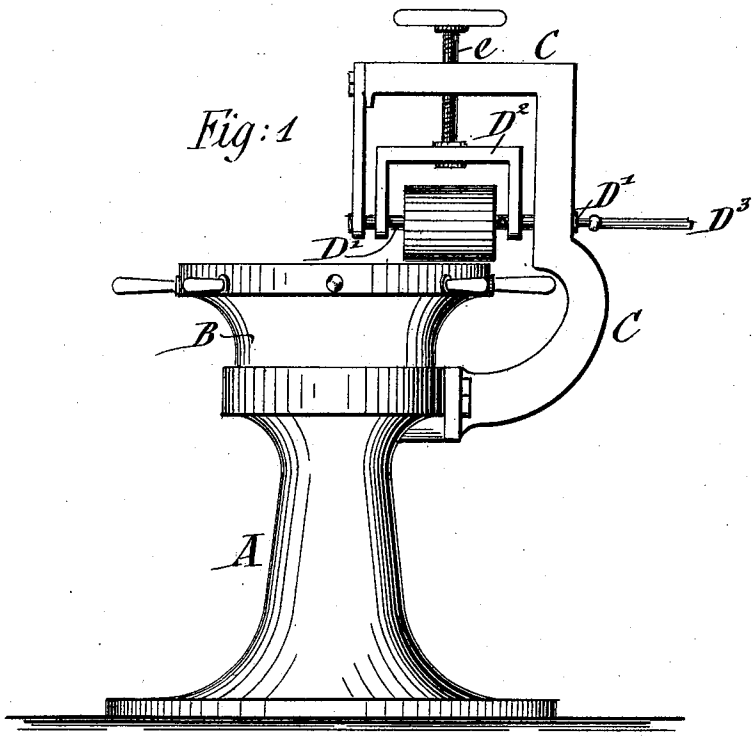
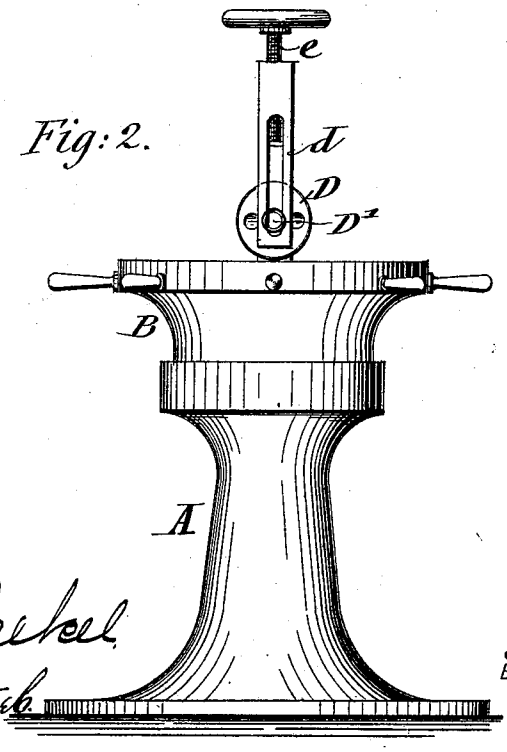


Fig: 2.



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(No Model.) 2 Sheets—Sheet 2.

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Fig: 3.

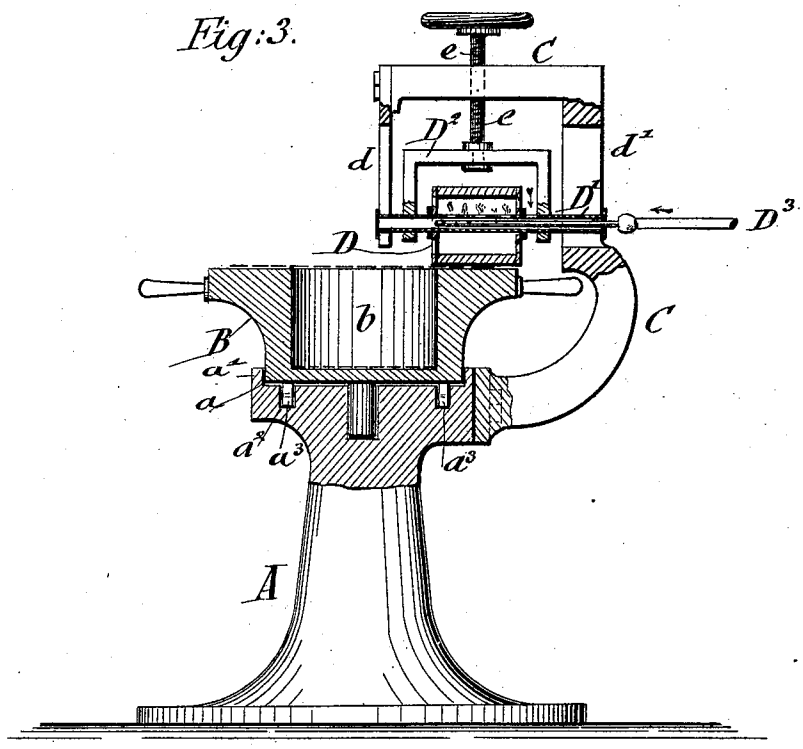
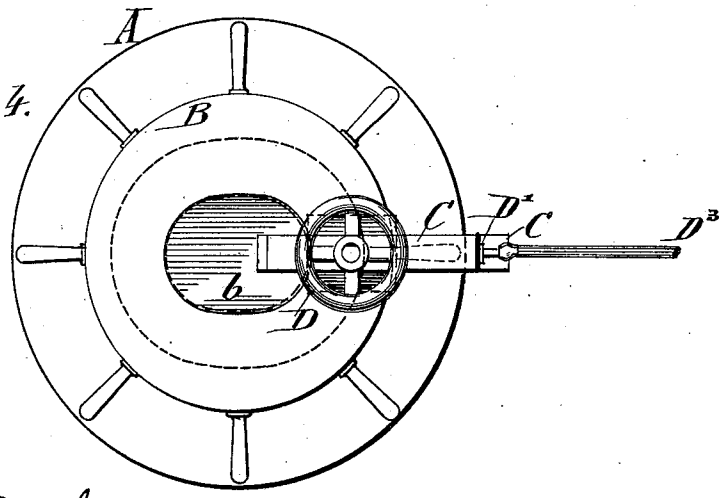


Fig: 4.



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UNITED STATES PATENT OFFICE.

AUGUST BOBSIEN, OF NEW YORK, N. Y.

MACHINE FOR IRONING BRIMS OF STRAW HATS.

SPECIFICATION forming part of Letters Patent No. 602,280, dated April 12, 1898.

Application filed July 30, 1897. Serial No. 646,455. (No model.)

To all whom it may concern:

Be it known that I, AUGUST BOBSIEN, a citizen of the United States, residing at New York, in the county and State of New York, have invented certain new and useful Improvements in Machines for Ironing the Brims of Straw Hats, of which the following is a specification.

This invention relates to an improved machine for ironing the brims of straw hats in a quicker and more effective manner than when ironed by hand, so that not only the operation of ironing the brims is facilitated and rendered easier, but also a greater number of hats finished in a given time; and the invention consists of a machine for ironing the brims of straw hats, which comprises a rotary hat-block having a central cavity for the body of the hat, a heated rotary iron, means for raising and lowering the heating-iron in its stationary supporting-standard, and means for heating said iron.

In the accompanying drawings, Figure 1 represents a side elevation of my improved machine for ironing the brims of straw hats. Fig. 2 is an end elevation of the same. Fig. 3 is a side elevation, partly in vertical central section; and Fig. 4 is a top view thereof.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the supporting-standard of my improved machine for ironing the brims of straw hats. The base of the supporting-standard A is attached in a suitable manner to the floor where the machine is to be used. At the upper end of the supporting-standard A is arranged a central depression a, formed by a circumferential flange or rim a', in which the hat-block B is seated, being held therein by means of a central pin working in a socket in the standard. An annular groove a^2 is formed in the bottom of the depression a, in which are applied antifriction-rollers a^3, upon which the hat-block rests and which facilitate the movement thereof. The rotary hat-block is provided with radial handles, so as to be easily rotated on the supporting-standard A by the hands of the operator. If preferred, the antifriction-rollers may be applied to the bottom of the hat-block and move in the groove a^2. The center of the hat-block B is provided with a cavity b, which corresponds in size to the body of the straw hat, the brim of which is to be ironed, the hat being inserted with the body in downward direction into the hat-block, so that the brim rests on the circumference of the block, as shown by dotted lines in Fig. 3. From the supporting-standard A extends a yoke-shaped standard C, which carries in its upper part a cylindrical iron D, which is preferably heated by gas in the usual manner. The yoke-shaped upper part of the standard C is provided with a stationary and slotted guide-strap d, which is attached to the horizontal portion of the standard C and which serves to guide the gas-supply pipe D′ when the iron is adjusted higher or lower on the upper part of the standard C. The vertical portion of the standard C is likewise provided with a slotted opening d', through which the gas-supply pipe is passed, as shown in Fig. 3. The gas-supply pipe extends through the interior of the hollow cylindrical iron D and serves at the same time as the shaft upon which the iron turns when ironing. Suitable perforations are formed in said gas-supply pipe for admitting the gas-jets into the iron. The shaft is further supported in a yoke-shaped hanger D^2, which is provided with suitable openings at the lower ends. The hanger D^2 has swiveled to it at its upper part an adjusting-screw e that is threaded through the horizontal standard C and provided at its upper end with a hand-wheel for adjusting the hanger and the iron relatively to the hat-supporting block.

The iron D is retained by means of screw-collars on its tubular shaft, so as to be prevented from moving in longitudinal direction, while easily turning on the shaft. The cylindrical iron D is provided at one end with an opening closed by a detachable plug, through which a match can be introduced so as to ignite the gas-supply in the tubular shaft, the opposite head of the iron being provided with openings for permitting the escape of the products of combustion. The gas preferably passes through small openings to the interior of the iron, so as to form blue heating-jets, by which the iron is kept in highly-heated condition and is supplied through the perforated gas-pipe D^3, which is passed into the gas-supply pipe D′, as shown in Fig. 3. The emission of gas and air required for combus-

tion can be arranged in any approved manner, as the construction of the rotary iron forms no part of my invention. The supply of gas to the iron is regulated by a suitable stop-cock.

For operating my improved hat-brim-ironing machine the iron is first adjusted in its supporting-standard to the thickness of the brim of the straw hat, after which the jets in the iron are ignited. When the iron is raised to the proper heat required for ironing, the brim of the straw hat is placed in vertical position into the hat-block and the latter rotated by hand and simultaneously moved on its axis until the entire brim of the hat is passed below the heated iron, the ironing action taking place in imitation of the ironing of the brims by hand, so that a result similar to that produced by hand is obtained. When the entire under side of the hat-brim is ironed, the hat is removed from the block and a new hat inserted and its brim ironed in the same manner, and so on, the ironing taking place in all cases by the gradual passing of the under side of the brim below the highly-heated iron, which turns on its tubular shaft as the brim passes below the same, so that the ironing of the brim is accomplished in a comparatively quick and easy manner and with much less effort than when the work is performed by hand.

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

1. A machine for ironing the brims of straw hats, which consists of a suitable support, a hat-block rotatably mounted upon said support, means carried by said hat-block whereby it may be rotated back and forth beneath the iron, a bracket carried by said hat-block support, and a rotary iron vertically adjustable in said bracket above the rim of the hat-block, substantially as set forth.

2. A machine for ironing the brims of straw hats, consisting of a hat-block constructed with a surrounding rim for the brim of the hat and rotatably mounted upon a suitable support, means carried by said hat-block whereby it may be rotated back and forth beneath the iron, a bracket carried by the hat-block support, a rotary iron adjustably mounted in said bracket above the rim of the hat-block and means for vertically adjusting the iron toward the said rim, substantially as set forth.

3. In a machine for ironing the brims of straw hats, the combination of a cylindrical iron, a tubular shaft for the same, a U-shaped hanger for supporting said shaft, a slotted strap for guiding the tubular shaft, and means for raising and lowering the U-shaped frame, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

AUG. BOBSIEN.

Witnesses:
PAUL GOEPEL,
GEO. W. JAEKEL.