J. JORGENSON.

TEMPERATURE INDICATOR FOR IRONING MACHINES.

APPLICATION FILED DEC. 11, 1908.

934,733. Patented Sept. 21, 1909.

FIG. 1.

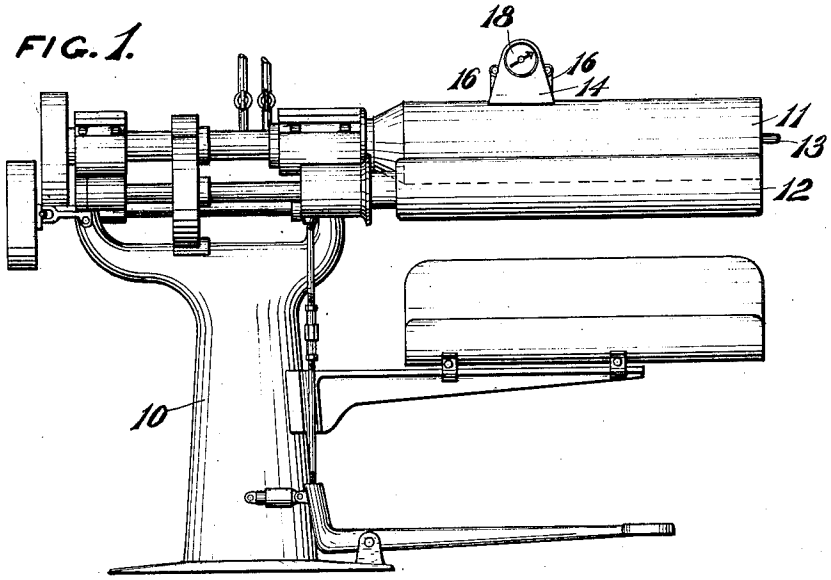


FIG. 3.

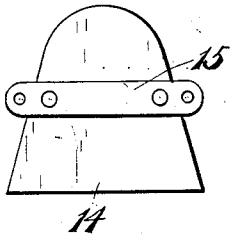


FIG. 2.

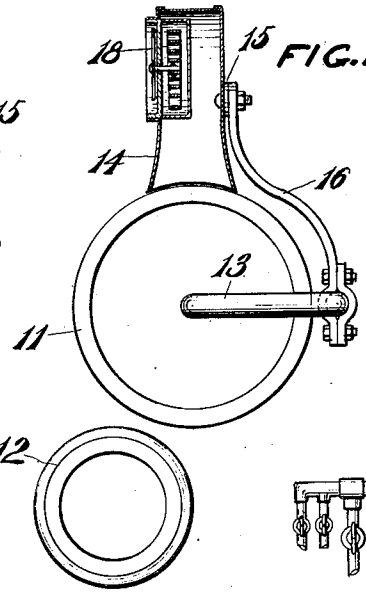
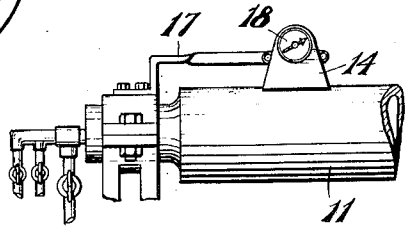


FIG. 4.



WITNESSES.

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UNITED STATES PATENT OFFICE.

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TEMPERATURE-INDICATOR FOR IRONING-MACHINES.

934,733. Specification of Letters Patent. **Patented Sept. 21, 1909.**

Application filed December 11, 1908. Serial No. 466,966.

To all whom it may concern:

Be it known that I, JOHN JORGENSON, residing in Racine, in the county of Racine and State of Wisconsin, have invented new and useful Improvements in Temperature-Indicators for Ironing-Machines, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

This invention has for its object to provide means for indicating to the operator the temperature of the heated roll of an ironing machine so as to avoid scorching and burning of the work.

With the above and other objects in view the invention consists in the temperature indicator for ironing machines herein described and claimed, and all equivalents.

Referring to the accompanying drawings in which like characters of reference indicate the same parts in the different views; Figure 1 is a front elevation of an ironing machine having a temperature indicator of this invention applied thereto; Fig. 2 is an end elevation of the heated and padded rolls thereof with the casing of the temperature indicator in section; Fig. 3 is a rear elevation of the temperature indicator; and, Fig. 4 is a detail view of a portion of an ironing machine of different construction showing a modified form of means for supporting the temperature indicator.

In these drawings 10 indicates an ironing machine of ordinary construction having the usual heated roll 11 and the padded roll 12, the roll 11 being heated by a gas burner contained therein and connected with a gas pipe 13. A casing 14 comprising a hood of sheet metal with an open bottom having the edges of the sides thereof curved to fit the contour of the heated roll is mounted above the heated roll and close thereto in any desirable manner, preferably by having a metal strip 15 riveted to the back thereof and connected by malleable arms 16 with the gas-pipe 13. The casing 14 may be supported in any other desirable manner as by means of a bracket 17 bolted to the bearing of the roller as shown in Fig. 4 when there is no external gas pipe convenient. The casing 14 contains a dial thermometer 18 which is visible to the operator and indicates the temperature of the heated roll, the air within the casing being heated by the roll and varying in temperature with the roll.

By means of the temperature indicator of this invention the variations in temperature of the heated roll will be clearly indicated to the operator so that when the temperature is too high for producing the proper work the valves may be regulated and thus avoid damaging the work.

What I claim as my invention is;

1. A temperature indicator for ironing machines having a heated rotatable roll, said indicator comprising a sheet metal hood having an open bottom and sides with curved edges to fit the upper surface of the heated roll, a dial thermometer contained within the hood and showing through the face thereof, a strip secured to the back of the casing, and a malleable arm connecting the strip with a stationary part of the machine to support the hood in place.

2. In combination with an ironing machine having a heated rotatable roll, a hood supported above the heated roll close to the surface thereof with curved edges to fit the upper surface of the heated roll, said hood forming an inclosure with the surface of the heated roll as one wall thereof, and a thermometer carried in the inclosure of the hood to be affected by the variations in temperature of the roll and to indicate the same to the operator.

In testimony whereof, I affix my signature, in presence of two witnesses.

JOHN JORGENSON.

Witnesses:

R. S. C. CALDWELL,

ALMA A. KLUG.