

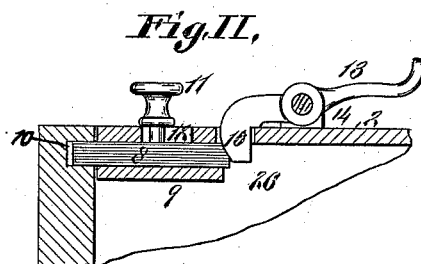
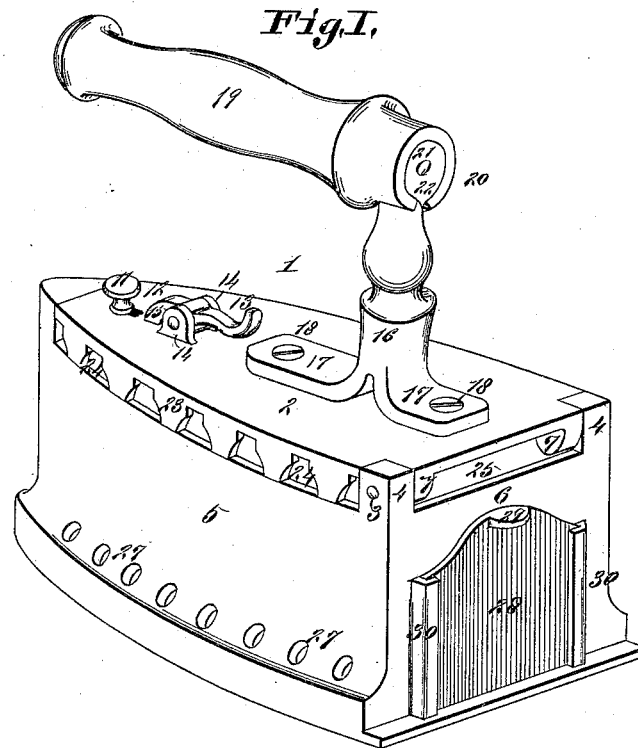
(No Model.)

W. MILFEIL.

SAD IRON.

No. 383,404.

Patented May 22, 1888.



Attest:
Charles Pickles,
Emma Arthur.

Inventor:
William Milfeil,
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UNITED STATES PATENT OFFICE.

WILLIAM MILFEIL, OF ST. LOUIS, MISSOURI.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 383,404, dated May 22, 1888.

Application filed March 31, 1887. Serial No. 233,177. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MILFEIL, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Sad-Irons, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure I is a perspective view of my iron, showing the hinged cover and the locked catch by which it is held down and the sliding drop-damper that regulates the draft. Fig. II is an enlarged detail section showing the action of the catch that fastens the cover and the pivoted lever that enforces the lock of said catch.

This invention relates to the class of self-heating sad-irons; and the invention consists in features of novelty hereinafter fully described, and pointed out in the claim.

Referring to the drawings forming part of this specification, 1 represents my improved sad-iron, and 2 the cover to the same. The cover is hinged at the rear of the iron by a pivot-pin, 3, that passes through studs 4, that surmount the sides 5 and end 6 of the body of the iron, and through pendent lugs 7, that hang pendent from the cover, and is locked, when closed, by a sliding bolt, 8, that works within a pendent bracket and engages in its locking-seat 10 under the operation of a vertical stud, 11, which is secured to the bolt and works within an elongated stud-slot, 12, in the cover. A drop-catch lever, 13, at the rear of the sliding bolt is pivoted in the bifurcated stud 14, that rises from the top of the cover. The front of the lever is provided with a pendent head, 15, that drops by its own gravity at the rear of the sliding bolt when the latter is projected forward into its locking-seat, thus automatically enforcing its retention in its locked position and the consequent locking down of the cover. A metal pedestal, 16, with divergent feet 17, is fastened to the top of the cover by screws 18, that pass through the feet and engage in said cover. A turned wooden handle, 19, is provided with a concavity, 20, at its attachment end, which fits around the head 21 of the pedestal, and a riveted rod, 22, that passes through said head and through a longitudinal perforation in the

handle that secures it to the pedestal. The cover is provided with pendent side flanges, 23, that have scallops 24 along their lower edges, which, with the elongated aperture 25 at the rear of the cover, give upward vent for the gases from the charcoal or other combustible that heats the iron.

A removable open grate may, if desired, be elevated on feet placed within the heating-chamber 26, and provide opportunity for the ashes to drop through between its bars.

Air-vents 27 pass through the sides near the bottom of the heating-chamber and slant downward, so as to prevent ashes dropping out on the laundered articles.

A vertical damper, 28, at the rear of the iron slides within the flanged brackets 30, and when operated by the lug 29 adjusts the draft beneath at the rear of the heating-chamber.

Charcoal is preferably used for heating purposes; but I do not confine myself thereto, as other combustible material may be used.

With the exception of the handle, which is of wood, and the pivot-pin on which the cover hinges, which is of steel or wrought-iron, all the parts of my sad-iron are preferably of cast-iron; but they may be made of brass or any other suitable material.

To avoid the inconvenience and danger experienced when fastenings to the covers of self-heating irons become detached or unlatched, I have provided my double-action enforced lock; and also to regulate the rate of combustion of the charcoal and consequent heat of the iron, I provide the vertical sliding damper.

I claim as my invention—

In a self-heating sad-iron, the combination of the body, the lid, and a catch consisting of a sliding bolt provided with a stud working in a slot in the lid, a bracket on the under side of the lid perforated for the reception of said bolt, which latter engages a recess in the body, and a gravitating lock adapted to engage through a slot in the lid with the end of the bolt, substantially as set forth.

WM. MILFEIL.

Witnesses:

SAML. KNIGHT,
BENJN. A. KNIGHT.