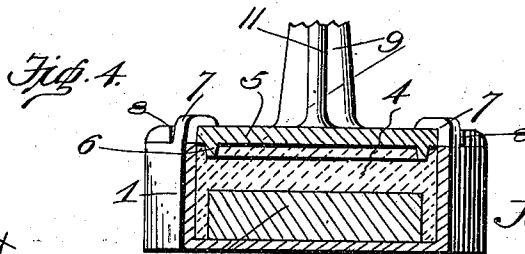
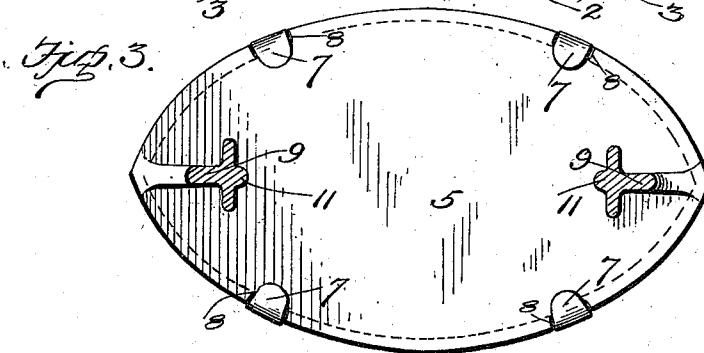
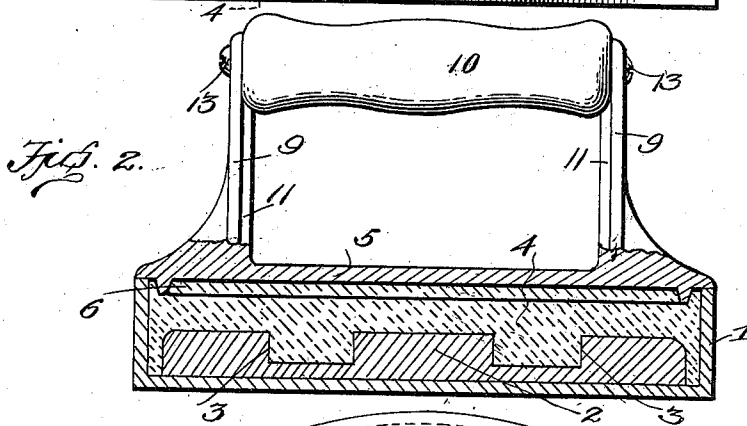
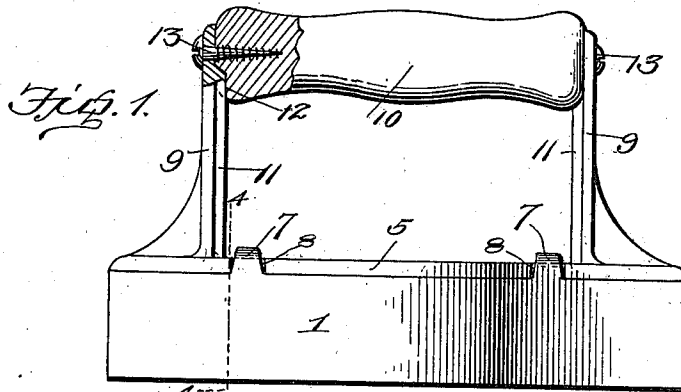


J. B. MUNSON.
SAD IRON.
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964,043.

Patented July 12, 1910.



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UNITED STATES PATENT OFFICE.

JOHN B. MUNSON, OF PHILLIPSBURG, NEW JERSEY.

SAD-IRON.

964,043.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed October 25, 1909. Serial No. 524,504.

To all whom it may concern:

Be it known that I, JOHN B. MUNSON, a citizen of the United States, residing at Phillipsburg, in the county of Warren and State of New Jersey, have invented certain new and useful Improvements in Sad-Irons; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in sad irons.

One object of the invention is to provide an improved construction of sad iron comprising a shell or casing formed of aluminum and having a filling material possessing great heat holding qualities.

Another object is to provide an iron of this character having improved means for fastening the cover and handle on to the body portion of the iron.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings: Figure 1 is a side view of an iron constructed in accordance with the invention; Fig. 2 is a vertical longitudinal section of the same; Fig. 3 is a horizontal sectional view through the handle supporting arms, showing a top plan view of the iron; and Fig. 4 is a vertical cross-sectional view of the iron on the line 4-4 of Fig. 1, showing more particularly the arrangement of the top fastening device.

Referring more particularly to the drawings, 1 denotes the outer casing or shell of the iron, which is preferably formed of aluminum, as this metal has been found to quickly absorb the heat from the stove and to impart the same to the material forming the inner portion of the iron. Within the bottom of the casing 1 is arranged a block or filling 2, which is preferably formed of cast iron and is spaced a suitable distance around its edges from the adjacent portion of the casing and which has formed therein a series of pockets 3. In the shell, over and around the cast iron filling 2, is placed a filling 4 of sand, cement, or other material having great heat holding qualities.

Adapted to be engaged with the upper

curved sides of the casing 1 is a cover 5, which is formed of any suitable material and is provided on its lower side adjacent to its outer edge with a downwardly projecting retaining flange 6, which sets into the casing of the iron as shown. The cover 5 is held in position on the casing and body portions of the iron by means of a series of upwardly projecting lugs 7 formed on the upper edge of the casing and engaging notches 8 formed in the adjacent edges of the top 5. The lugs 7 after being engaged with the notches 8 are bent or clenched into engagement with the upper side of the cover 5, thus securely retaining the same in place on the iron.

On the upper side of the top 5 adjacent to the opposite ends of the iron are formed upwardly projecting handle supporting arms or standards 9 between and to the upper ends of which is secured a handle 10 formed of wood or other suitable material. The inner sides of the arms 9 are provided with longitudinal ribs or flanges 11, the upper ends of which engage notches 12 in the lower side of the handle, thus preventing the latter from turning on the fastening screws 13 which are provided to secure the handle in place between the ends of the arms 9, as shown.

An iron constructed as herein shown and described will retain the heat for a much longer period of time than in an ordinary iron and a smooth ironing surface is always provided by the aluminum casing.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended claim.

What I claim is:

In a sad iron, a hollow aluminum shell or casing, an iron plate arranged in the bottom of said casing and spaced a suitable distance from the sides of the same, a heat retaining material arranged over and around said plate, a cover plate having a circumferential flange adapted to fit in the casing and a series of notches formed in the edges thereof, cover retaining lugs formed on the up-

per edges of said casing and adapted to enter the notches in said top plate and adapted to be bent and clenched thereon, handle supporting arms formed on said plate, a handle
5 secured between the upper ends of said arms, and means to prevent the handle from turning.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN B. MUNSON.

Witnesses:

OLIVER VAN BILLIARD,
BESSIE A. BUSH.