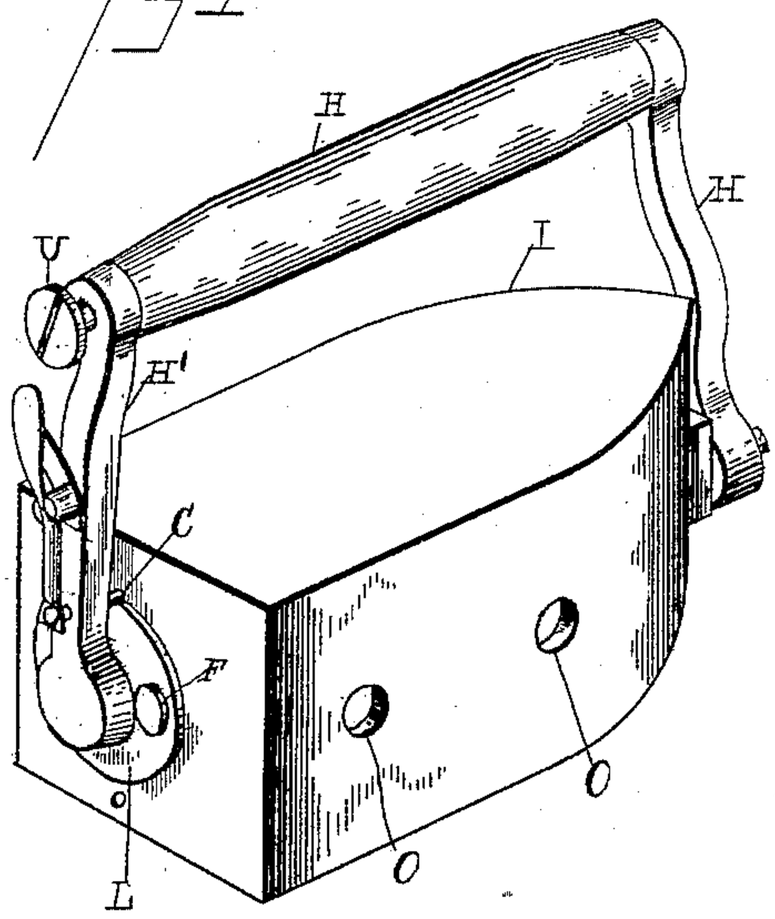
(No Model.)

F. B. THALER.

SAD IRON.

No. 436,951. Patented Sept. 23, 1890.

Fig 1



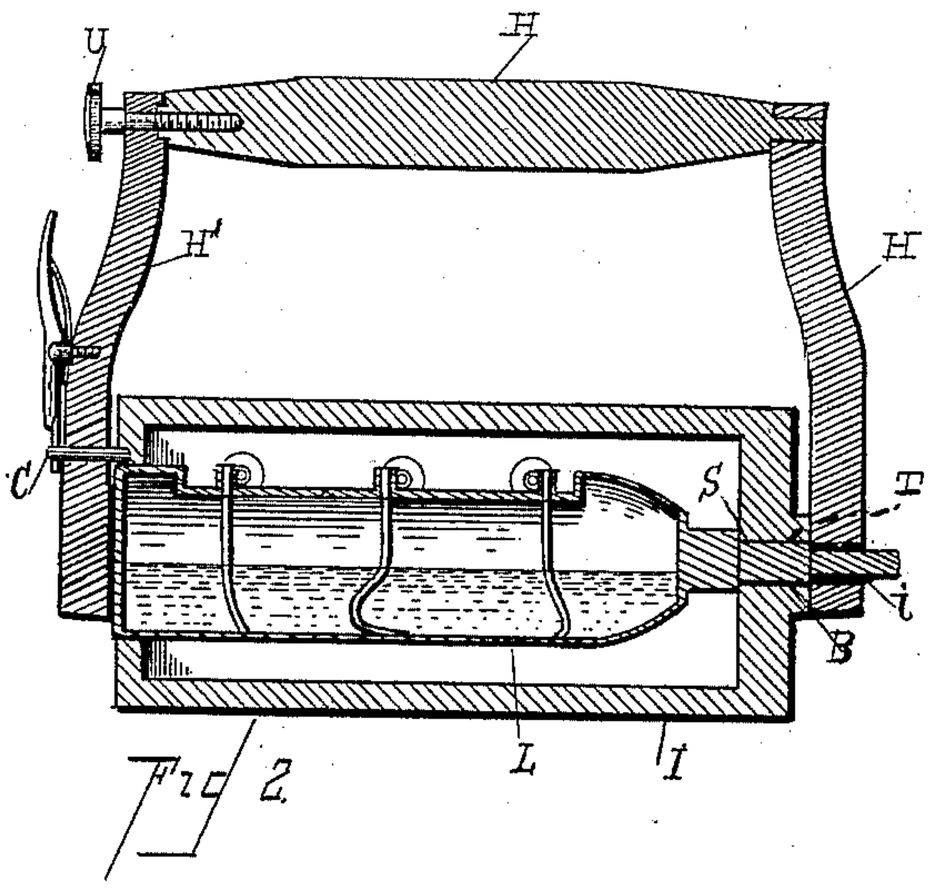


Fig 2

Fig 3

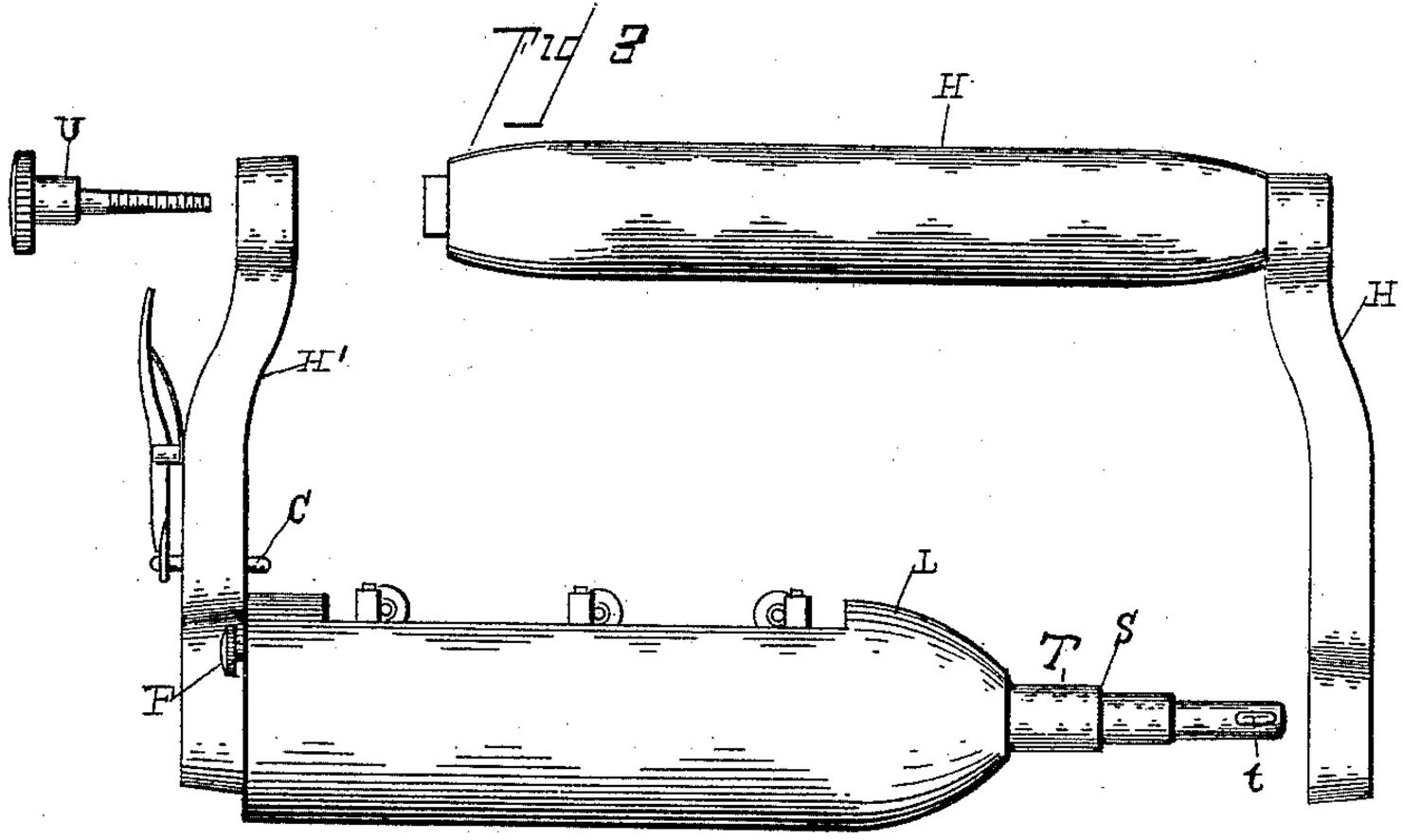
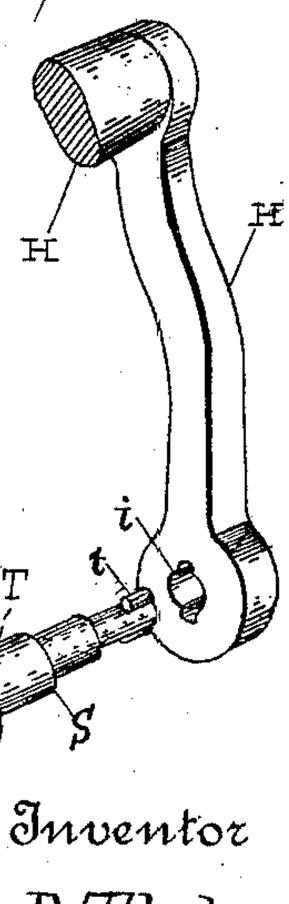


Fig 4



Witnesses
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UNITED STATES PATENT OFFICE.

FANNIE B. THALER, OF RIFLE CITY, COLORADO.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 436,951, dated September 23, 1890.

Application filed April 7, 1890. Serial No. 346,933. (No model.)

To all whom it may concern:

Be it known that I, FANNIE B. THALER, a citizen of the United States, residing at Rifle City, in the county of Garfield and State of Colorado, have invented a new and useful Sad-Iron, of which the following is a specification.

This invention relates to sad-irons, more particularly of that class in which the body of the iron is made hollow and a spirit-lamp supported by the handle is located therein.

The object of the invention is to effect improvements upon sad-irons of this character heretofore made. This object I accomplish by my present invention, which consists in certain specific details of construction and auxiliaries preferably used, all as will be hereinafter more fully described and as are illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of this improved iron complete. Fig. 2 is a central vertical longitudinal section of the same. Fig. 3 is a detached side elevation of the two-part handle. Fig. 4 is a perspective detail of the fastening between the lamp and front handle member.

Referring to the said drawings, the letter I designates the body of the iron, which is made hollow and provided with holes O in its sides for the entrance and exit of air and the products of combustion. The upper and lower faces of the body are made flat, whereby the ironing can be done thereby.

B designates a bearing formed at the front end of the body of the iron and adapted to receive a trunnion T at the front end of the lamp L, whereby the latter is pivotally supported within said body.

H H′ is the two-part handle, the members thereof being connected as hereinafter described, the front member having an eye *i*, surrounding an extension of said trunnion, and the rear member having a spring-actuated catch C, which is adapted to enter holes in the body I to hold the latter at any desired position relatively to the handle, all as is common in this class of sad-irons and as is well understood in the art.

Coming now to the present invention, the trunnion T is extended and reduced near its outer end and is elongated laterally by side lugs *t* at its tip, and the eye *i* in the lower end of the front member H of the handle is slightly oval in shape, its longest diameter being vertical. By this arrangement this member can only be applied to the trunnion when said member is turned into a horizontal position and the longest diameter of the oval eye *i* is horizontal, and after it is applied thereto and turned to a vertical position it cannot be removed, because the lugs *t* engage the sides of the oval eye *i* and prevent such removal. The trunnion T is formed in the axial line of the lamp, which is approximately cylindrical, and said trunnion is provided with a shoulder S, which abuts against the inner end of the bearing B and holds the lamp in proper longitudinal position within the body.

The rear end of the front member H of the handle is provided with a boss, which enters a correspondingly-shaped socket in the upper end of the rear member H′, and a screw U is passed through said rear member and through a threaded hole in said boss into the handle H, whereby the parts of the handle are detachably connected, as will be understood.

The lower end of the rear member H′ is rigidly connected with the rear end of the lamp. The latter extends through a large hole in the rear end of the body I, in which it turns loosely, but without leakage around it, and in said rear end of the lamp is a filling-orifice F, through which oil, or preferably alcohol, may be passed into the body of the lamp, such orifice being closed by a suitable screw-cup.

The lamp proper is of any suitable construction consistent with the requirements; but asbestus wicks are preferably employed, in order to prevent smoking.

The operation and use of this device will be well understood. The ironing is done in the usual manner, the upper face of the body becoming heated while the lower is being used and is becoming cool. When a hotter surface is desired, the catch C is sprung and the body turned a half-revolution, which will bring the upper hotter surface into the position formerly occupied by the lower. The

catch engages the other hole in the rear end of the body, and the parts are held in this position while the iron is being used.

In the construction described above the lamp, by being rigidly connected with the handle, is maintained in an upright position at all times, and the gravity of the lamp or the use of a supplemental handle is not called into play to keep it upright.

The rear end of the lamp is exposed through the end of the body, and the filling may be done without separating the parts of the device.

I claim as my invention—

1. In a sad-iron, the combination, with the iron-body having a bearing through its front end and a hole in its rear end, a lamp having burners at its top, a trunnion at the front end of said lamp fitting said bearing, with a shoulder engaging the inner end thereof, said trunnion having a reduced extension provided with lugs on its horizontal sides, and a rear handle member rigidly connected to the rear end of said lamp, of the front handle member having a vertical oval hole through its lower end adapted to receive the tip of said extension, and connections, substantially as described, between said handle members, as and for the purpose set forth.

2. In a sad-iron, the combination, with the iron-body having a bearing through its front end and a hole in its rear end, a lamp having a trunnion fitting said bearing, with a shoulder engaging the inner end thereof, the outer reduced extension of said trunnion having lugs on its sides, and a rear handle member rigidly connected to the rear end of said lamp, of the front handle member having a vertical oval hole through its lower end adapted to receive the tip of said trunnion, a boss at the rear end of said front member adapted to enter a socket in the rear member, and a screw passing through said rear member and into said boss, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

FANNIE B. THALER.

Witnesses:

T. WALSH,

THOS. MCGINLEY.