W. B. DOLSEN & J. B. SHERWOOD.

Sad-Iron.

No. 197,768. Patented Dec. 4, 1877.

Fig. 1

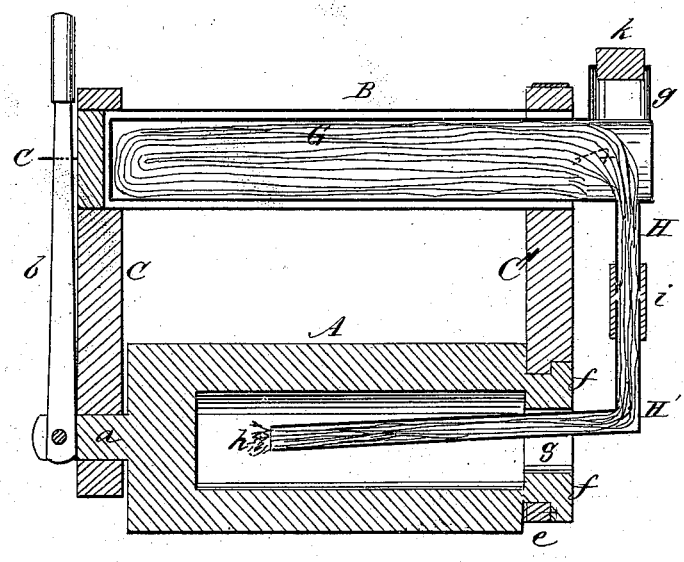
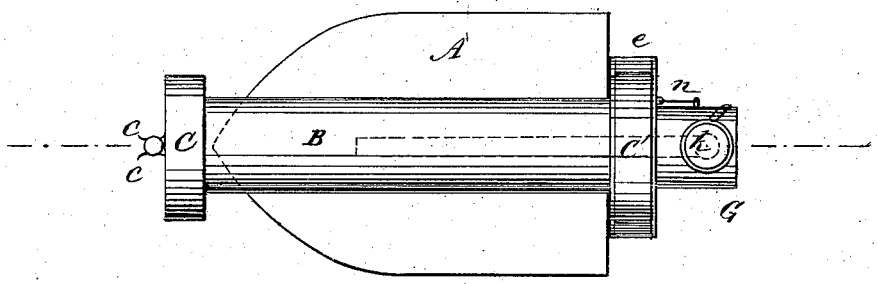


Fig. 2



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UNITED STATES PATENT OFFICE.

WILLIAM B. DOLSEN AND JOHN B. SHERWOOD, OF MOBERLY, MISSOURI.

IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. **197,768**, dated December 4, 1877; application filed October 6, 1877.

To all whom it may concern:

Be it known that we, WILLIAM B. DOLSEN and JOHN B. SHERWOOD, of Moberly, in the county of Randolph and State of Missouri, have invented a new and Improved Sad-Iron, of which the following is a specification:

This invention relates to sad-irons of the reversible kind; and the nature of our invention consists in a novel means of heating the iron by the flame of a lamp-burner arranged inside of it, at the same time protecting the hollow handle and the oil-vessel therein from becoming unduly heated, as will be understood from the following description.

In the annexed drawing, Figure 1 is a section taken longitudinally and vertically through the improved sad-iron, and Fig. 2 a top view of the sad-iron.

Similar letters of reference indicate corresponding parts.

The letter A designates a reversible sad-iron, to the front and rear ends of which are pivoted standards, that have a hollow cylindrical handle, B, rigidly secured to them. The front standard C is pivoted on a rigidly-fixed stud, *a*, to which a rod, *b*, is pivoted.

When the rod *b* is raised and pressed between two spring griping-jaws, *c c*, the sad-iron cannot be turned about its axis of motion.

When the locking-rod is detached from its jaws it is used for turning the iron A, one hand grasping the handle B.

The standard C′ is connected, by an annular joint, *e*, to a grooved flange, *f*, on the rear end of the iron A, through which flange is an opening, *s*, leading into the hollow iron. (Shown in Fig. 1.)

Inside of the hollow handle B is a cylindrical oil-reservoir, G, having a feed-tube, *g*, at its exposed or outer end, which is closed by a stopple, *k*. Below this feed-tube *g*, and communicating with the exposed end of the oil-receiver, is a wick-tube, H, which is connected, by a wooden coupling, *i*, to a right-angular wick-tube, H′, the lower limb of which is passed through the said opening *s* and into the combustion-chamber, so that when the wick is lighted at *h* the flame will heat the iron A.

It will be observed that the opening through the back of the iron A is much larger than the diameter of the wick-tube H′; consequently we have a free ventilation of the air into and out of the chamber of the iron A while the latter is being heated by the lamp.

The lamp-body G is attached to the rear flanged portion of the handle B by means of a hook, *n*, by detaching which the entire lamp can be removed from the sad-iron, and the wick trimmed or renewed.

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

In combination with the reversible hollow sad-iron A and its tubular handle B, the removable oil-reservoir G and a wick-tube composed of the parts H, H′, and *i*, and the filling-tube *g*, substantially in the manner and for the purposes described.

WILLIAM BACON DOLSEN.
JOHN BOGGESS SHERWOOD.

Witnesses:
JOHN CAMPBELL,
WILLIAM OAK.

950 words.