

(No Model.)

G. H. OBER.
SAD IRON HANDLE.

No. 539,820.

Patented May 28, 1895.

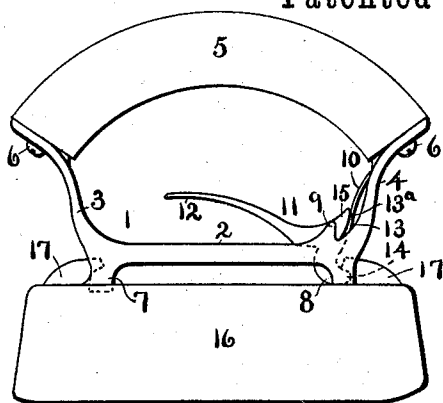


FIG. 1.

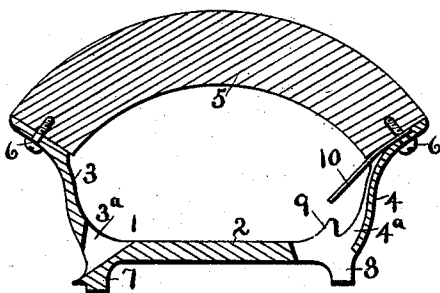


FIG. 2.

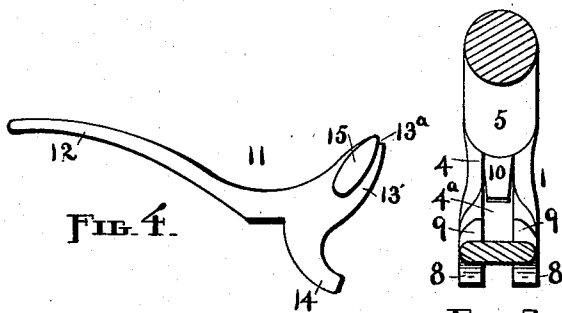


FIG. 4.

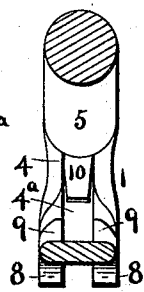


FIG. 5.

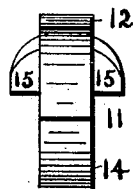


FIG. 6.

WITNESSES:

H. P. Bailey.

L. A. Stratton

INVENTOR:

G. H. Ober,

by Burridge & Cutter,
attys.

UNITED STATES PATENT OFFICE.

GEORGE H. OBER, OF CHAGRIN FALLS, OHIO.

SAD-IRON HANDLE.

SPECIFICATION forming part of Letters Patent No. 539,820, dated May 28, 1895.

Application filed November 12, 1894. Serial No. 528,680. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. OBER, a citizen of the United States, residing at Chagrin Falls, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Sad-Iron Handles, of which the following is a full, clear, and exact description.

My invention relates to sad iron handles, but more particularly to that class which is detachable, and consists of the several parts hereinafter fully described and claimed.

The object of my improvement is to provide a cheap and durable detachable handle for sad irons, which is positive in action, will take up wear, and does not rattle.

My handle is designed especially for use with a sad iron having hooked lugs on its upper surface, or their equivalent.

That my invention may be seen and fully understood by others, reference will be had to the following specification and annexed drawings forming a part thereof, in which—

Figure 1 is a side view of my handle attached to a sad-iron; Fig. 2, a longitudinal vertical section of said handle; Fig. 3, a transverse vertical section of the same, looking toward the ears; Fig. 4, a full-size side view of the latch, and Figs. 5 and 6 opposite end views of said latch.

Similar figures of reference designate like parts in the drawings and specification.

The metallic frame 1 consists of the base 2, and the uprights 3 and 4 connected at the top by the grip 5 which is secured to said uprights by the screws 6, 6. The upright 3 terminates at the bottom in the foot 7 and the upright 4 terminates at the bottom in the feet 8, 8. The upright 3 has therein the recess 3^a above the foot 7, and the upright 4 is provided with the recess 4^a which extends from near the top of said upright to the bottom and into the base 2. At or near the junction of the base 2 and the upright 4, each side of the recess 4^a, are the upwardly extending, integral ears 9, 9.

The frame 1 is cast with the recesses 3^a and 4^a therein and even the holes at the top of the uprights 3 and 4 to receive the screws 6 which hold the grip 5 in place. The spring 10 is received at its upper end in the top portion of the recess 4^a and may be secured in place by

the screw 6 which connects the upright 4 with the grip 5. Said spring 10 extends downward and outward from the upright 4.

The latch 11 consists of the curved handle 12, the nose 13 projecting upward and away from said handle, the downwardly extending hook 14, and the lateral lugs 15, 15 on the nose 13. The shoulder 13^a is formed at the end of the nose 13 to receive the lower end of the spring 10. The hook 14 of the latch 11, is inserted in the lower part of the recess 4^a, between the feet 8, with the lugs 15 in the notches formed by the ears 9 and the upright 4 and said latch is forced downward into place until the spring 10 bears on the shoulder 13^a. The spring 10 now prevents the latch 11 from being removed from the frame 1 and normally forces the nose 13 forward and the handle 12 downward, as shown in Fig. 1. The handle 12 may be raised however, against the resiliency of the spring 10, the lugs 15 turning in the notches behind the ears 9. It is unnecessary to bore a single hole or use a pin or pivot in connecting the latch 11 with the frame 1 which, in connection with the fact that said latch and frame are cast ready for assembling, renders the manufacture of my handle very inexpensive.

The peculiar construction of the parts, heretofore described, also provides for a "take up" of the wearing surfaces.

The sad iron 16 has the hooked lugs 17, 17 extending above the top and turned toward each other. Either of the lugs 17 is received in the recess 3^a in the frame upright 3. Said frame is then pushed down at the opposite end until the latch hook 14 has been forced by the other lug 17 and returns to place again beneath the same. The feet 7 and 8, 8 now rest on top of the sad iron 16. The sides of the recess 3^a and the inner surfaces of the feet 8 are intended to closely embrace the lugs 17 to prevent any lateral motion of the handle on the iron and this together with the force exerted by the spring-actuated latch 11 on one of said lugs prevents any rattle, while giving an exceedingly firm connection. To release the frame 1 from the iron 16 it is only necessary to raise the latch handle 12 far enough to disengage the hook 14 from its contiguous lug 17. It will be seen that the handle may be reversed upon the iron at will.

Any suitable recess or lug may be substituted for the recess 3^a, so long as a ready connection is made possible between that end of the frame 1 and the iron.

5 What I claim as my invention, and desire to secure by Letters Patent, is--

1. In combination with a sad iron handle, having the recess 4^a and the upwardly extending ears 9, 9, the spring-actuated latch 11
10 consisting of a handle, an upwardly projecting nose shouldered at the top and having lateral lugs, and a downwardly projecting hook, substantially as and for the purpose set forth.

15 2. In a sad iron handle, a frame consisting of a base and uprights at opposite ends of said base, a grip connecting said uprights, a recess in one of said uprights, upwardly extending ears integral with said frame at or
20 near the junction of said base and recessed upright, in combination with a latch consisting of a handle, an upwardly projecting nose shouldered at the top and having lateral lugs adapted to operate behind said ears and a
25 downwardly extending hook, and a spring between said recessed upright and latch nose

arranged to bear on the shoulder of said nose, substantially as and for the purpose set forth.

3. In combination with a sad iron provided with upwardly extending lugs, a frame consisting of a base and uprights at opposite ends of said base, a grip connecting said uprights, a recess in one of said uprights, upwardly extending ears integral with said frame at or
30 near the junction of said base and recessed upright, a latch consisting of a handle, an upwardly projecting nose shouldered at the top and having lateral lugs adapted to operate
35 behind said ears and a downwardly extending hook, and a spring between said recessed upright and latch nose arranged to bear on the shoulder of said nose, said frame adapted to engage one of said sad iron lugs and said
40 latch hook to engage the other lug, substantially as and for the purpose set forth. 45

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

GEORGE H. OBER.

Witnesses:

F. A. CUTTER,
H. P. BAILEY.