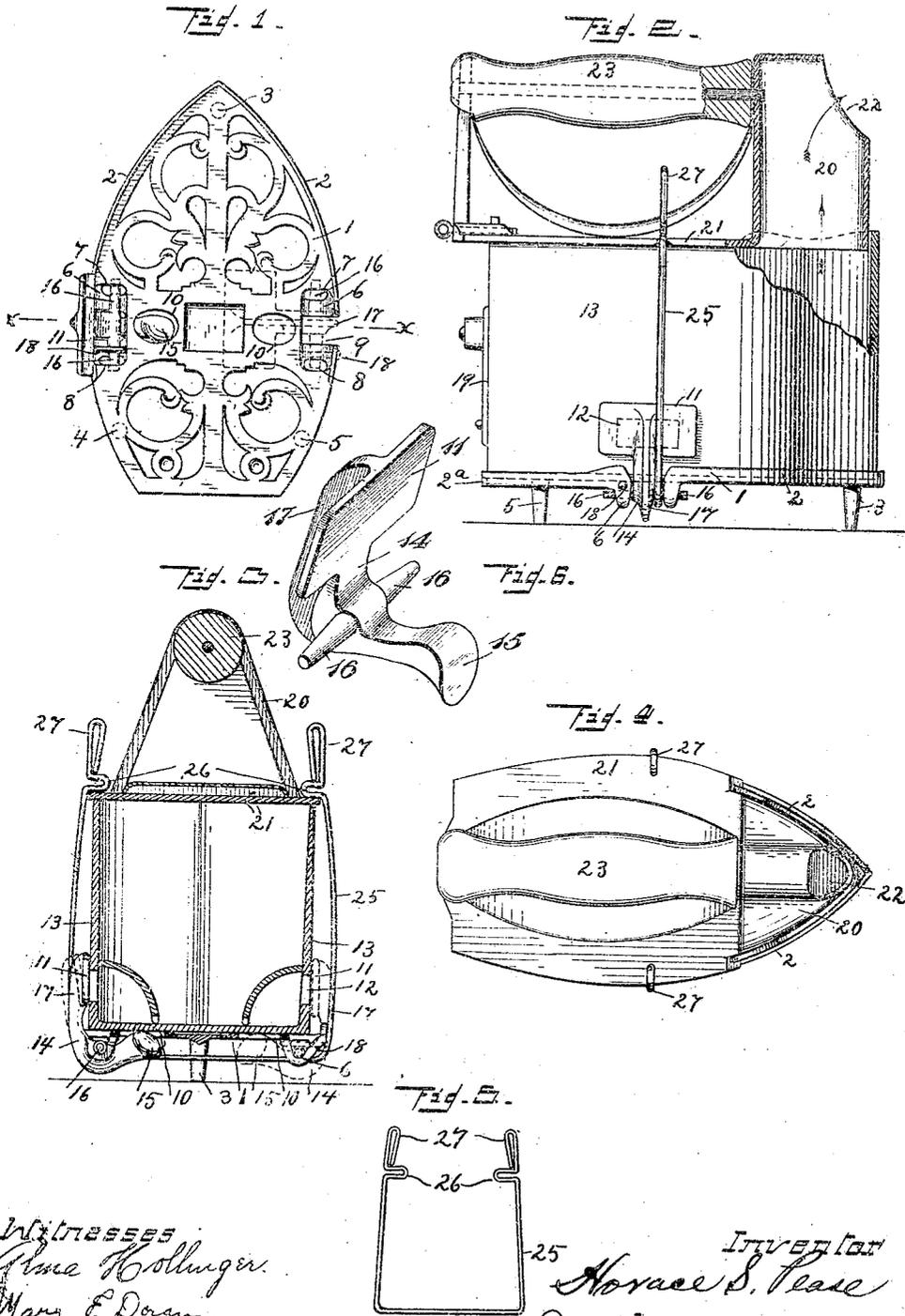


H. S. PEASE.
SAD IRON STAND.
APPLICATION FILED AUG. 1, 1904.



Witnesses
Alma Krollinger.
Mary E. Doran

Inventor
Horace S. Pease
by
James A. Ramsey
His Attorney.

UNITED STATES PATENT OFFICE.

HORACE S. PEASE, OF CINCINNATI, OHIO.

SAD-IRON STAND.

No. 873,779.

Specification of Letters Patent.

Patented Dec. 17, 1907.

Application filed August 1, 1904. Serial No. 218,982.

To all whom it may concern:

Be it known that I, HORACE S. PEASE, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Sad-Iron Stands, of which the following is a specification.

My invention relates to improvements in sad iron stands adapted to support sad irons which are heated with charcoal and the like.

The object of my invention is to secure a more convenient and efficient stand for sad irons.

My invention consists in a stand having a flat top mounted upon legs and provided upon each side with upwardly projecting pivoted dampers each having an arm adapted to engage with a sad iron when it is placed thereon to automatically draw the dampers into contact with the sides of the iron to close the draft openings therein, said dampers being pivoted so as to normally stand outwardly from each other at the top to permit the easy placing of the iron upon the stand.

My invention also consists in the parts and combination and arrangement of parts and in the details of construction as herein set forth and claimed.

In the drawing which serves to illustrate my invention: Figure 1 is a plan view of the stand with one damper removed, the dotted lines representing the position the damper assumes when it is placed in position. Fig. 2 is a side elevation of the stand with a sad iron mounted thereon and secured thereto, part of the iron being broken away and shown in section. Fig. 3 is a vertical cross section on line $x-x$, Fig. 1 and showing the iron placed in position on the stand as illustrated in Fig. 2, the damper on the left side being shown in full lines to close the draft opening and in dotted lines when open, and the damper on the right side shown in dotted lines to close the draft opening. Fig. 4 is a plan view of the iron. Fig. 5 is a detail side elevation of the iron and stand coupler. Fig. 6 is a perspective view of the damper.

The construction of my improved stand is substantially as follows: The stand 1, is preferably formed with a flat top provided with flange 2 on each side of the front part, and is supported on legs 3, 4 and 5. Near the center of the stand at each edge I provide bearing 6 having openings 7 and 8 and slot 9, and

between the bearings 6 are openings 10 through the top of the stand. Each damper 11 is preferably formed with one flat face of such size and shape as to cover the draft opening 12 in the side of the iron 13 and is supported upon an arm 14 extending downwardly and inwardly in the shape of an elbow and having an enlarged beveled end 15. This arm 14 is mounted upon journals 16 formed near the inner edge of the elbow and extending laterally therefrom. The arm is formed sufficiently wide on its inner side to substantially fill the slot 9 when it is standing in an upright position as shown in Figs. 2 and 3, and in the left side of Fig. 1, and is cut away on each side of rib 17 at its outer lower part as shown in Fig. 1 so that said part is much narrower than the width of said slot. This permits the damper 11 to be adjusted laterally in the slot 9 toward the point of the stand when its flat side is turned toward the top of the stand so that said damper may be readily inserted into position on the stand or removed therefrom. To permanently secure the journals 16 within the bearing a pin 18 is secured over one end of one journal, the opposite journal being long enough to bear against the stand top to prevent disengagement.

The journals are so located on the arm that the weight of the damper will normally throw it outwardly at the top away from the stand and the inner end of the arm project up through the opening 10 in the top of the stand as shown by dotted lines in the left of Fig. 3, and when the iron is placed upon the stand the end 15 of the arm 14 will be depressed to the position shown in heavy lines in Fig. 3. As soon as the iron is removed the damper will automatically swing outwardly to its normal position which is desirable and convenient as the iron can be placed on the stand by a downward movement without danger of striking the top edges of the dampers and by coming in contact with the inner ends of the arms the dampers are drawn in place to close the draft openings as above described.

The flange 2 is formed on the edge of the stand to strengthen it and to hold the iron in its proper position while the rear end of the stand is provided with a similar flange 2^a on the lower edge which leaves the top surface of the rear end of the stand flat and permits

the iron to slide forward in position on the stand without obstruction.

The ends 15 of the arms 14 are preferably beveled or tapered upwardly on the side toward the rear end of the stand so that when the iron strikes against the end of each arm, it will readily slide over it, forcing the arm down and thereby drawing the damper inwardly against the iron and closing the draft opening.

Coöperating with the draft openings 12 in the sides and draft opening 19 in the end of the iron is an upright flue 20 at the front of the cover 21, said flue being cut away at its top front part to form outlet 22, the rear wall of said flue serving as a support for one end of the handle 23. This flue having the top partly cut away affords a direct outlet for the current as indicated by the arrows, while the top is provided with shield 24 to adequately protect the hand from the heat. Shield 24 is a partial covering for the top of flue 20 and extends from the handle 23 forward far enough to protect the hand from the current of heat which passes upwardly and out of the sad iron.

I secure the iron and stand together by means of the U-shaped coupler 25 shown in Fig. 5. This coupler is provided with catches 26 adapted to take over the edges of the cover 21 and has handles 27 by which to adjust the coupler in place. To couple the iron and stand together place the lower end of the coupler beneath the iron and stand in the groove between the stand and damper, then raise the open end of the coupler and spread the catches apart to clear the forward end of iron and cover until the coupler is brought to an upright position when the catches will spring over the edges of the cover and clamp the iron and stand together. The stand and iron when in use are both hot and the coupler

permits both to be carried together by one hand from room to room or elsewhere as desired.

From the above description it will be apparent that various changes in the details of construction may be made without departure from the scope and spirit of the invention, and for this reason I do not wish to be understood as limiting myself to the precise construction herein set forth, but

What I claim and desire to secure by Letters Patent, is:

1. A stand having a damper provided with an arm adapted to engage the bottom of an iron when it is placed thereon and automatically press said damper against the side of said iron whereby a draft opening in said iron is adapted to be closed.

2. A stand having a top provided at each side with a bearing and having near each bearing an opening through said top, a damper having an arm journaled in each bearing and each arm having an end adapted to normally extend through the opening adjacent thereto and be depressed by a sad iron to automatically close the respective dampers over draft openings in the sides of the iron.

3. A stand having a damper pivoted at each side near its center to automatically close the draft openings in a sad iron when it is placed thereon, a flange on the upper edge of said stand in front of each damper to hold the iron in place and a flange on the lower edge of said stand in the rear of each damper to permit unobstructed placing of the iron upon the stand.

HORACE S. PEASE.

Witnesses:

JOHN G. O'CONNELL,
JAMES N. RAMSEY.