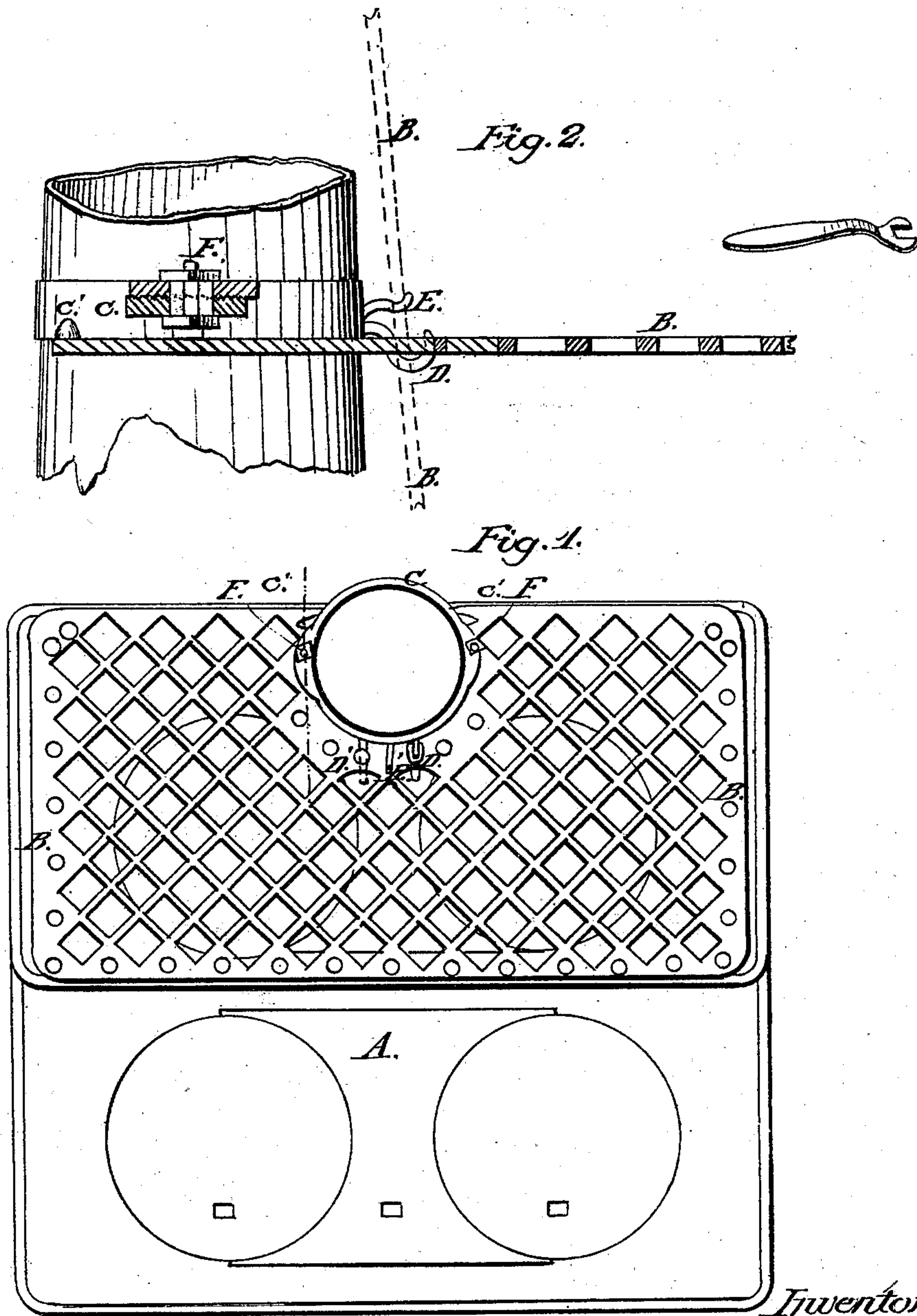


GERHART & McCORD.

Stovepipe Shelf.

No. 98,582.

Patented Jan. 4, 1870.



Witnesses:
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United States Patent Office.

JOHN H. GERHART AND JOSEPH S. McCORD, OF MIDDLETOWN, PENNSYLVANIA.

Letters Patent No. 98,582, dated January 4, 1870.

IMPROVED STOVE-PIPE SHELF.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, JOHN H. GERHART and JOSEPH S. McCORD, of Middletown, in the county of Dauphin, and State of Pennsylvania, have invented an Improvement in Stove-Shelves; and we do hereby declare that the following is a clear, exact, and full description thereof, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a plan or top view of a stove, with our improved shelf attached to the pipe thereof, and showing the means of retaining the shelf in its different positions.

Figure 2 is a vertical elevation of the shelf, and a section of the pipe or funnel to which it is attached, together with the band which secures it to such pipe or funnel.

Corresponding letters refer to corresponding parts in both figures.

Shelves have heretofore been constructed for the same purpose to which we apply ours, but they have been subject to serious objections, because of the fact that they could only be secured to one size of pipe, and because of the fact that the proper facilities have not been provided for removing the shelf out of the way when it became necessary to gain access to the kettles in the apertures below such shelf, or to the apertures themselves, for the purpose of removing or replacing kettles therein or therefrom.

The object of this invention is to provide a shelf which shall be free from the above-cited objections; and to this end,

It consists in the construction, combination, and arrangement of its parts, as will be more fully described hereinafter.

To enable those skilled in the art to make and use our invention, we will proceed to describe its construction and operation.

A, in the drawings, represents a cooking-stove, which may be of any approved form of construction, but which need not be fully described here, as it forms no part of our present invention.

B represents a sheet or plate of metal, or other suitable material, the area of which may correspond with that of the upper surface of the stove, or it may be larger or smaller than such surface.

This sheet or plate is to be of sufficient thickness to sustain the weight which may be placed upon it; and we prefer to perforate it with holes, as shown in the drawings, in order that the heat, as it rises from the stove, may come directly in contact with the vessels which may be set or placed thereon. It is apparent, however, that it may be used to good advantage without such perforations.

This plate is to be provided with elongated slots, as shown in fig. 1, for the reception of the hooks or supporters D D', the object of which is to afford the means of readily attaching the shelf to and removing it from the pipe or funnel.

C represents a clamp, which passes around the pipe or funnel of the stove, (which pipe may, if desirable, be of cast-iron for a height as great as that to which, at any time, it will be desirable to raise the shelf,) it being provided upon its front portion with hooks D D', as shown in the drawings, which pass through slots in plate B, and under the solid portions of the same, and thus, in conjunction with the stops C' C', support the shelf when it is in position for use, as shown in fig. 1.

By referring to figs. 1 and 2, it will be seen that the two portions or segments, of which this clamp is composed, are provided with ears, through which elongated apertures or slots are formed, for the reception of bolts which secure them together.

Upon the faces of these ears, which come in contact, serrations are formed, so that by unscrewing the bolts, and setting the portions of the clamp which press upon the pipe at a greater or less distance from each other, it may be used with facility upon different sizes of pipes.

C' C' represent stops or projections, which are to be secured to the rear portion of the clamp C, as shown in fig. 1, they being for the purpose of receiving upon their under surfaces the upper surface of the plate B, and thus preventing its outer end from dropping too low when it rests upon the hooks D' D'.

These stops should be placed in such a position upon the clamp, that when the plate B rests upon the hooks, and its upper surface comes in contact with them, it will assume a horizontal position, as shown in fig. 2.

D D' represent the hooks above alluded to, their position on the clamp C being clearly shown in the drawings.

E represents a hook or support, which is to be secured to the front portion of the clamp C, in such a position that when the plate or shelf B is turned up to the position shown in dotted lines in fig. 2, it will pass through one of the apertures in said shelf, and thus retain it in that position, and thus free access is had to the upper surface of the stove, or to any vessel which may be therein or thereon, which arrangement is regarded as important from the fact that it removes, to a great extent, the objection which has previously existed to shelves of this character.

F F represent the bolts, which secure the two portions of the clamp together, as above described.

Having thus described our invention,

What we claim, and desire to secure by Letters Patent, is—

1. A clamp for supporting a shelf or shelves upon stove-pipes, consisting of two adjustable segmental portions formed with serrated ears, having elongated slots therein, hooks D D', and stops C C', for supporting the shelf, substantially as shown and for the purpose set forth.

2. The combination of the above-described clamp, the shelf B, and a stove-pipe, or equivalent device, for

supporting said clamp and shelf, substantially as and for the purpose set forth.

In testimony whereof, we have signed our names to this specification, in the presence of two subscribing witnesses.

JOHN H. GERHART.
JOS. S. McCORD.

Witnesses:

D. P. HOLLOWAY,
B. EDW. J. EILS.