(No Model.) 2 Sheets—Sheet 1.

G. LAUBE.

STOVE.

No. 589,473. Patented Sept. 7, 1897.

Fig 1

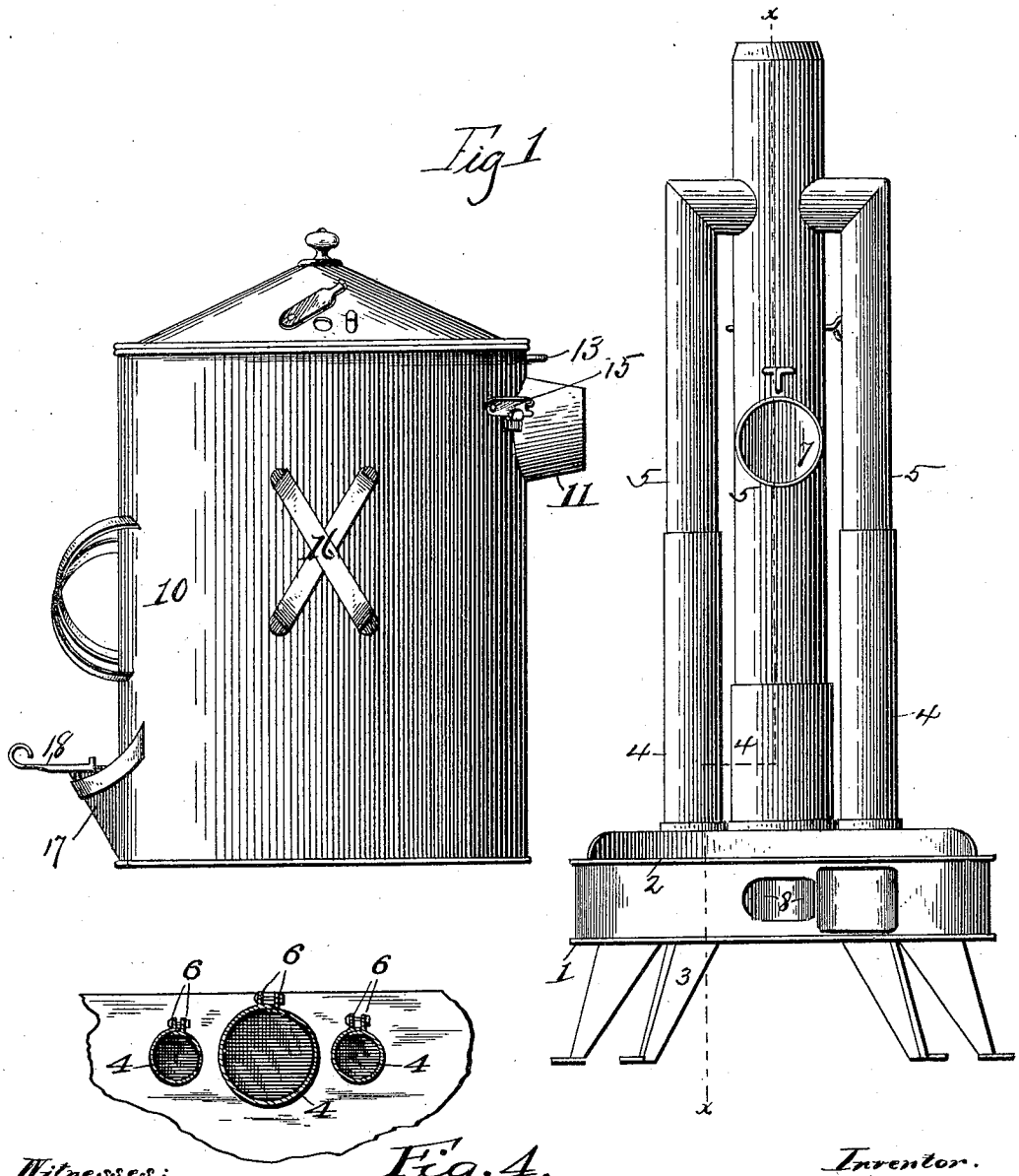


Fig. 4.

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(No Model.) 2 Sheets—Sheet 2.

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STOVE.

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Fig 2.

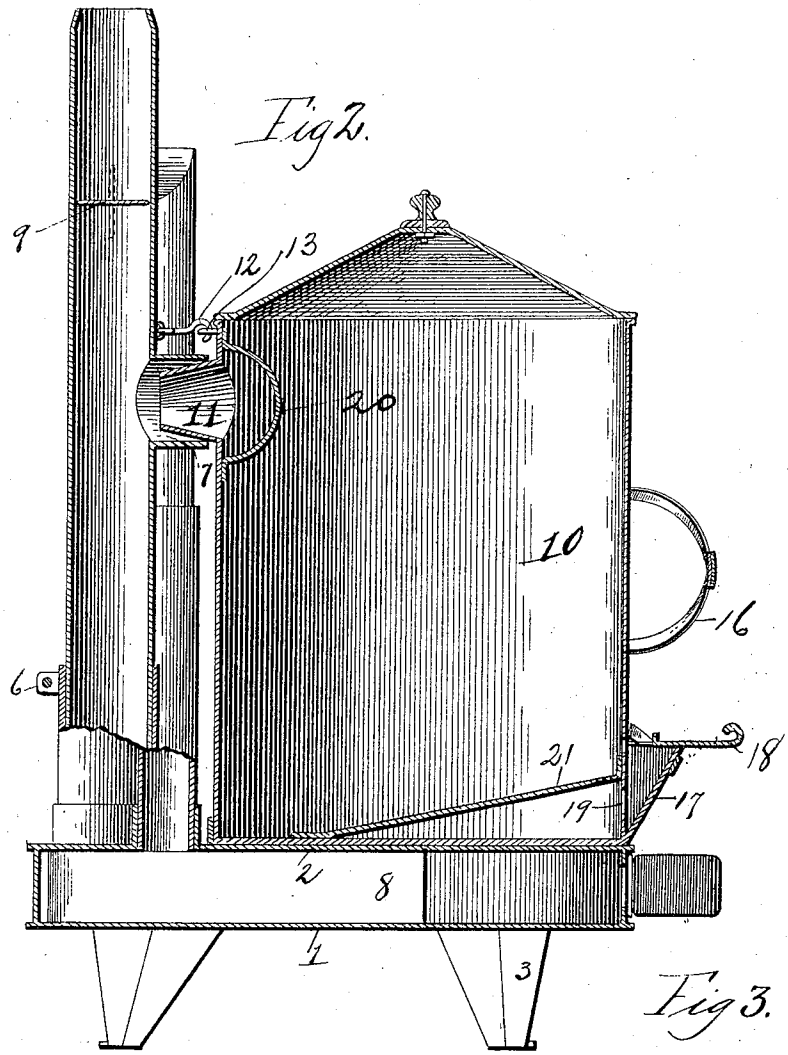
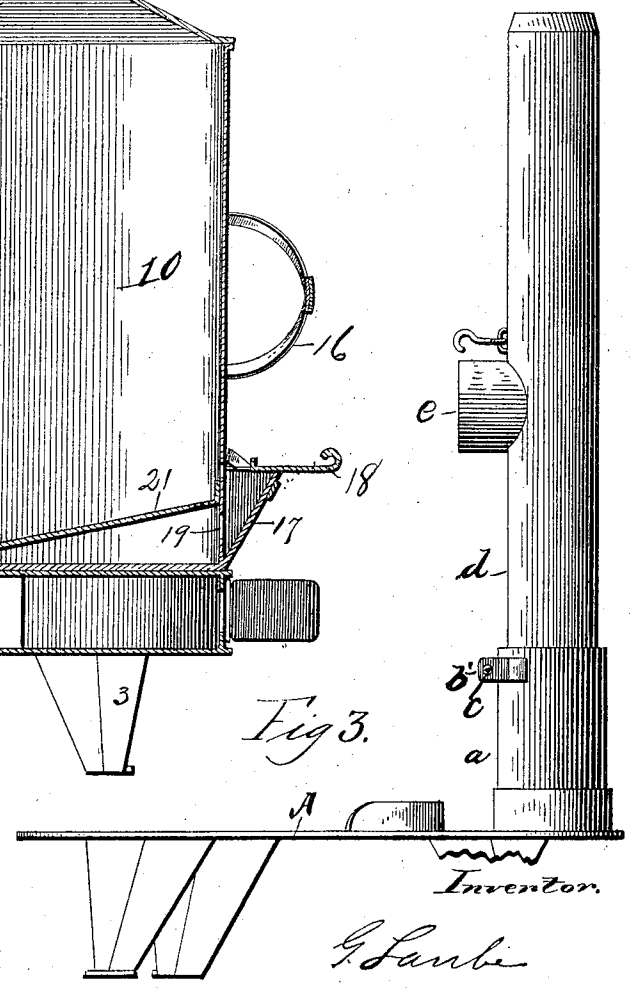


Fig 3.



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UNITED STATES PATENT OFFICE.

GODFRIED LAUBE, OF HURON, SOUTH DAKOTA.

STOVE.

SPECIFICATION forming part of Letters Patent No. 589,473, dated September 7, 1897.

Application filed December 23, 1896. Serial No. 616,709. (No model.)

To all whom it may concern:

Be it known that I, GODFRIED LAUBE, a citizen of the United States of America, residing at Huron, in the county of Beadle and State of South Dakota, have invented certain new and useful Improvements in Stoves, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in stoves and furnaces, and more particularly to that class known as "straw-burning" stoves, in which hay, straw, stalks, and other refuse matter may be employed for heating purposes.

The object of this invention is to provide a stove of the above-referred-to class which is readily disconnected from the smoke uptake or chimney for the purpose of cleaning without disturbing the stovepipe.

A further object of the invention is the provision of a radiating-base and means for directing the products of combustion in a circuitous route from the burner through the base and back to the pipe. Furthermore, the invention contemplates the provision of means whereby the stovepipe and its branches may be adjusted vertically and secured.

In addition to the above-named advantages the invention has for a further object to provide such a burner that will prove efficient and satisfactory in use and be comparatively inexpensive to manufacture.

With these objects in view the invention consists in the novel details of construction, as well as in the arrangement and combination of parts, to be hereinafter more fully set forth and specifically claimed.

In describing the invention in detail reference is had to the accompanying drawings, forming part of this specification, wherein like characters of reference denote corresponnding parts in the several views, in which—

Figure 1 is a view in elevation showing the base and burner disconnected. Fig. 2 is a vertical sectional view on the line *x x* of Fig. 1, and Fig. 3 is a modified form of base. Fig. 4 is a horizontal sectional view taken through the lower pipes to illustrate the split seams.

In the drawings, 1 denotes the lower, and 2 the upper, casing of the hollow base suitably supported by legs 3. Leading from apertures in the top casing are pipes 4 4 4, into which are slidably arranged other pipes 5 5 5, the center one of which latter is the main stovepipe. The center pipe 4 of the base has a split seam, and apertured lugs 6 are arranged on each side of the seam and provided with a screw, whereby the lugs are drawn together for the purpose of binding the sections of the pipe together, such arrangement being for the purpose of adjusting the height of the aperture 7, for it is well known that burners of this character collapse after a certain amount of use, and it is necessary to bring the aperture of the pipe nearer the base, said base having parallel partitions 8 8, extending on each side of the main pipe. A damper 9 is arranged in the main pipe, and when it is desired to heat the base the damper is closed and the products of combustion descend, pass around the ends of the partitions, then up the side pipes, which connect with the main pipe above the damper.

The burner 10 is designed to be supported by the base, and in form may be square, circular, or any desired shape. Near the top on the rear side of the burner is provided an extension 11, adapted to fit in a hole of the stovepipe. The extension tapers toward its end that it may enter holes easily, yet when drawn up in position fits flush with the pipe.

A hook 12 is pivoted to the pipe and engages a loop 13 of the burner. Just below the extension of the burner I provide a hole for lighting fuel in the interior in case light fuel is used, and this hole is normally closed by a slide-cover 15. Handles 16 are provided in front and at the side of the burner to facilitate handling and adjusting.

At the lower end of the burner in front I provide a hopper-like extension 17, provided with a sliding cover 18, and this extension covers a hole 19, designed for the reception of a poker for stirring the fire. On the inside of the burner and arranged over the draft-hole 19 is a brace 21, which acts as a shield for the hole, preventing light fuel from clogging same. The smoke-outlet at the top is also provided with a hood or deflector 20 to divert the current and prevent a direct draft.

In Fig. 3 the base A is single, the heating effect described in connection with Figs. 1 and 2 being omitted. This arrangement results in a cheaper construction, as only the pipe *a*,

having split seams, is connected with the base. This pipe is provided with lugs *b* (one of which is shown) and a screw *c* for drawing the lugs together and tightening the pipe *a*, into which is telescopically arranged a stovepipe *d*, having an opening *e* to receive the burner connection.

From the foregoing description the operation and advantages will, it is thought, be understood, it being noted that changes in the details of construction, proportions, &c., may be resorted to without departing from the spirit of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination, a base having pipes with split seams, pipes telescopically arranged in the base-pipes, means for clamping the pipes and a burner having a flared collar to engage the stovepipe, substantially as described.

2. In combination, a base having partitions, pipes communicating with the base between and on each side of the partitions, said pipes having split seams, lugs and clamping-bolts, pipes telescopically arranged in the base-sections, a removable burner arranged on the base communicating with the central pipe and a damper for directing the products of combustion through the side pipes, as and for the purpose described.

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

GODFRIED LAUBE.

Witnesses:
ANNIE T. LAUBE,
HATTIE ROSE LAUBE.