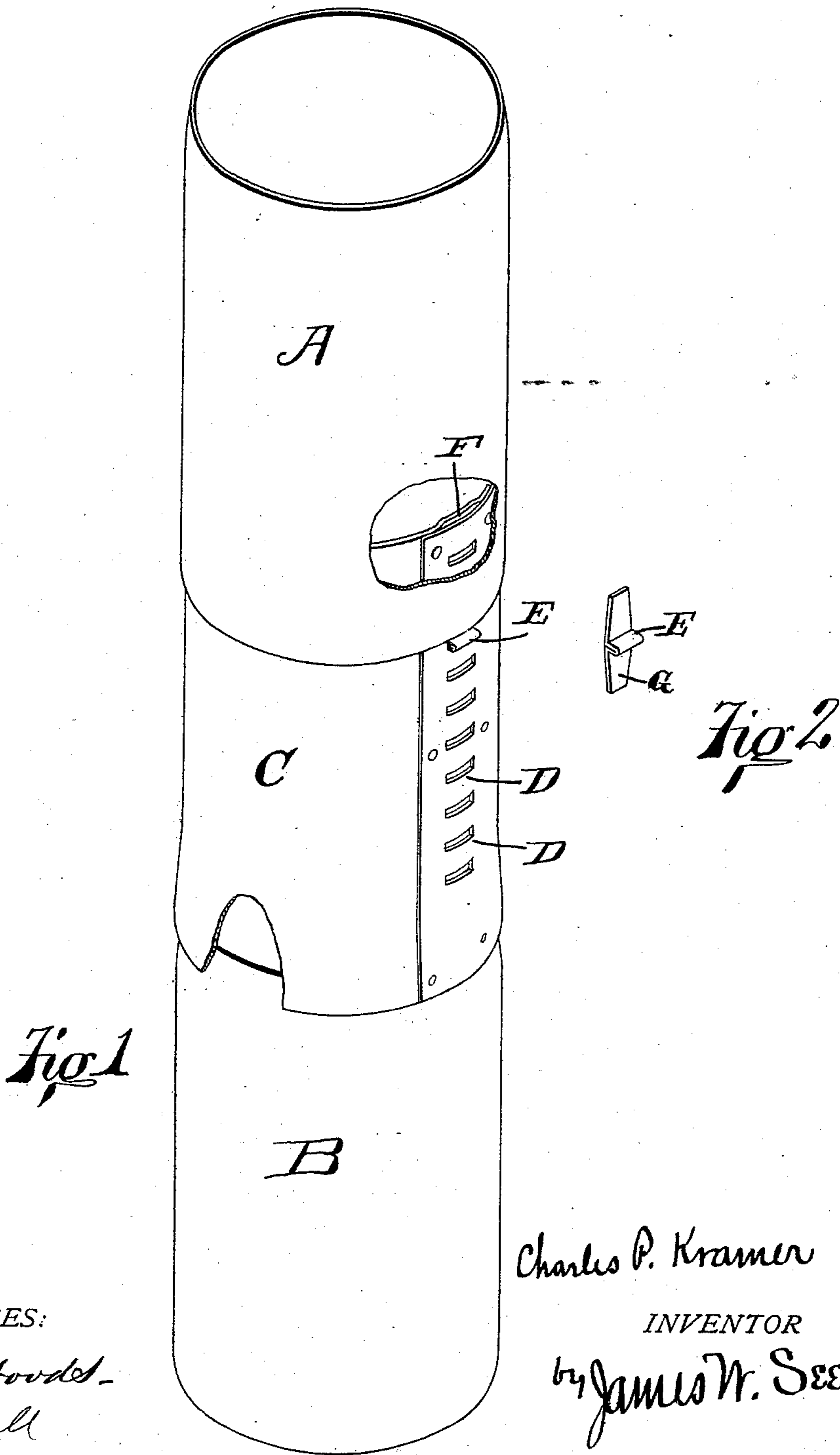


(No Model.)

C. P. KRAMER.
STOVE PIPE SECTION.

No. 279,873.

Patented June 19, 1883.



WITNESSES:

John R. Wood
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UNITED STATES PATENT OFFICE.

CHARLES P. KRAMER, OF HAMILTON, OHIO.

STOVE-PIPE SECTION.

SPECIFICATION forming part of Letters Patent No. 279,873, dated June 19, 1883.

Application filed March 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES P. KRAMER, of Hamilton, Butler county, Ohio, have invented certain new and useful Improvements in Stove-Pipe Sections, of which the following is a specification.

This invention relates to a section of stove-pipe to be inserted between two sections of common construction, or between a common section and an elbow, or between a common section and a stove-nipple, and serve as an extension piece capable of adjustment for length.

The invention will be understood from the drawings and description.

In the accompanying drawings, Figure 1 is a perspective view, with parts broken away, of my improved stove-pipe section combined with two common sections; and Fig. 2 is a perspective view of the movable rest.

In the drawings, A is a common section of stove-pipe with a contracted upper end adapted to fit into another section or an elbow. B is a similar section. C is my improved section, with its lower end fitting tightly the section B, and its body fitting inside the section A and adapted to slide therein. D represents perforations or slots in the outer metal of the lap of section C, which lap is broad, and preferably riveted each side of the row of slots D. F is a groove or channel in the back metal of the lap of section C, leaving a slight space extending between the inner and outer metal of the lap the entire length of the row of slots D; E, a rest-piece formed of sheet metal crimped to form a bead, as shown, and G the tongues of the rest E, at right angles to the bead.

The fit of section A over section C, being a loose or slip fit, will not, of course, sustain itself in place. The lower tongue of rest E being inserted in the proper slot D, the lower edge of section A rests upon it and the pipe is

prevented from improper shortening after adjustment. The upper tongue of the rest E will require to be sprung backward to permit the lower edge of section A to come down fairly onto the bead of the rest E. This tongue thus confined behind the lower edge of section A serves to prevent the displacement of the rest, and also serves, by its springing action, to tighten the lower edge of section A in its clinging to the section C. This construction permits that the improved section C, with its rest E, may be treated in the market as a complete article of trade and manufacture, as it is adapted for use in connection with stove-pipes of ordinary construction.

I claim as my invention—

1. As a new article of manufacture, a stove-pipe section adapted to engage common stove-pipe, and provided with a series of rest-receiving elements and a movable rest adapted to engage said elements and the edge of the connecting-piece of common stove-pipe.

2. The combination of a suitable rest and a stove-pipe section having a series of slots to receive the rest, and a groove or channel in the lap-joint of the section, behind the series of slots, substantially as specified.

3. The combination of a stove-pipe section having a series of receiving elements for a rest, and a rest adapted to engage in any one of the said series of elements, and provided with a thin tongue to enter between such stove-pipe section and the section of stove-pipe, which may be slipped down over said section onto said rest, substantially as specified.

4. The combination of stove-pipe section C, having series of slots D, and groove or channel F, and rest E, having tongues G, substantially as specified.

CHARLES P. KRAMER.

Witnesses:

MALCOLM JACKSON,
JAMES E. CAMPBELL.