

No. 637,548.

Patented Nov. 21, 1899.

W. CLERKIN & G. MAAG.
FURNACE CASE RING.

(Application filed July 5, 1898.)

(No Model.)

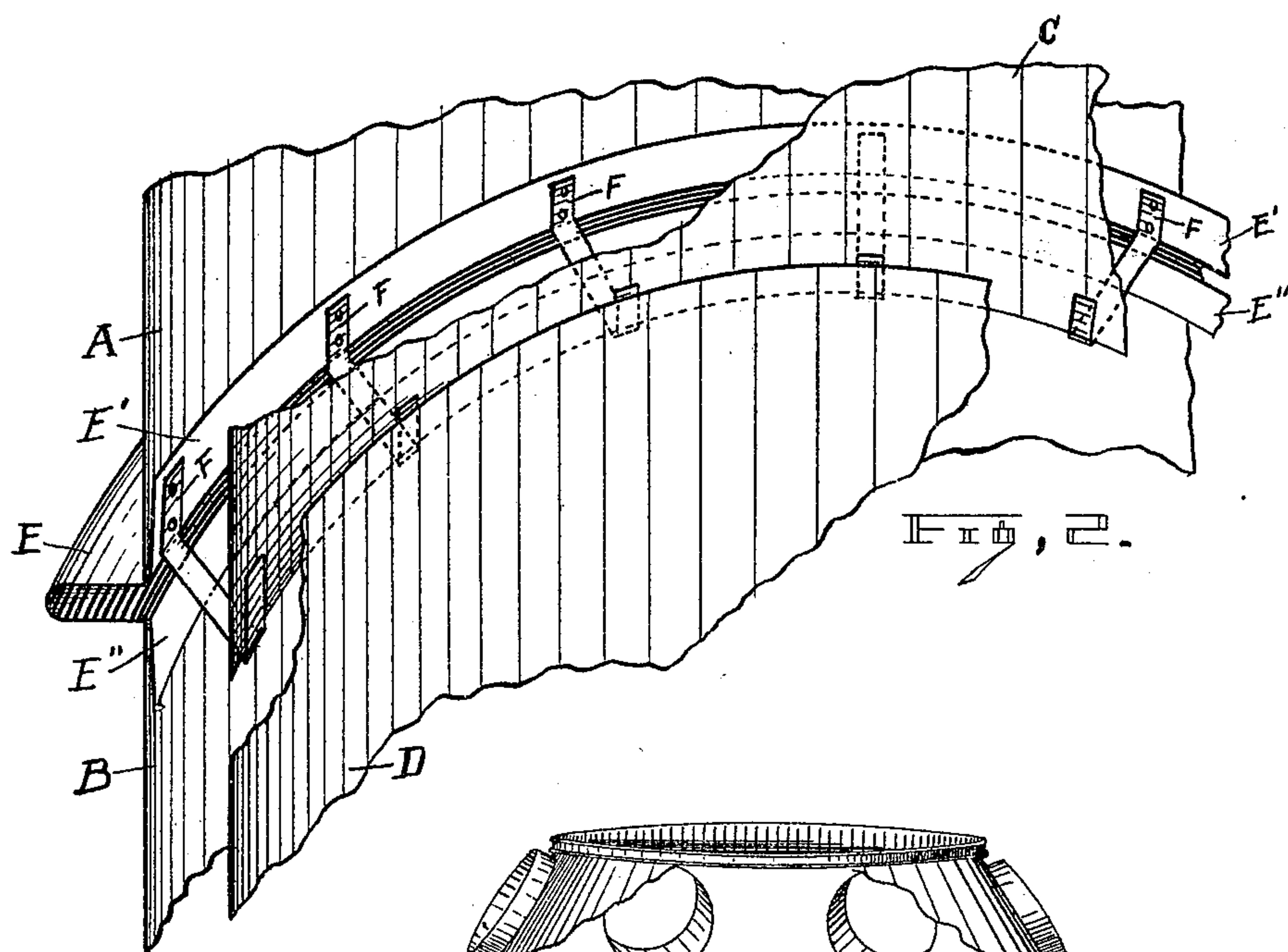


Fig. 2.

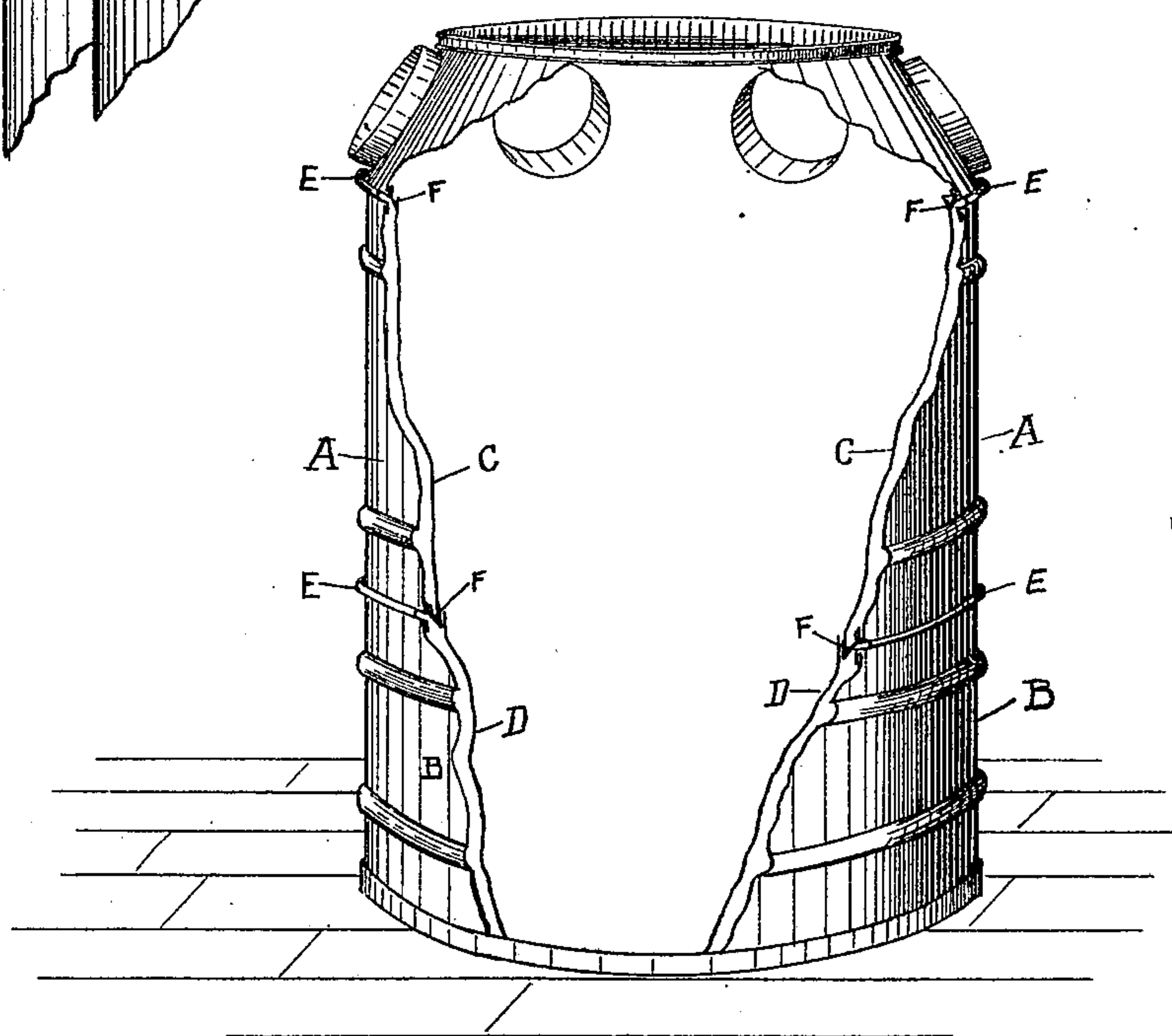


Fig. 1.

WITNESSES.

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WILLIAM CLERKIN AND GEORGE MAAG, OF AKRON, OHIO.

FURNACE CASE-RING.

SPECIFICATION forming part of Letters Patent No. 637,548, dated November 21, 1899.

Application filed July 5, 1898. Serial No. 685,223. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM CLERKIN and GEORGE MAAG, citizens of the United States, residing at Akron, county of Summit, State of Ohio, have invented a new and useful Improvement in Furnace Case-Rings, which improvement is fully set forth in the annexed specification, reference being had to the accompanying drawings.

10 The object of the invention is to provide a band-iron case-ring for furnaces, for lightness, strength, smoothness, and economy of construction; and to this end the invention consists in a coupling for furnace-sections, 15 consisting of a beaded or ribbed band having appendages for holding or supporting the inner-case sections in proper position, as hereinafter described.

Figure 1 represents an ordinary furnace-case with a portion cut out, showing the inner and outer case. Fig. 2 is a perspective and sectional view showing the manner in which the various parts of a furnace-case are connected and held in position with our improved case-ring.

25 A and B represent sections of the outer case, and C and D represent sections of the inner case.

30 E is a hollow beaded case-ring, having inclined or beveled flanges E' E'', formed of a single piece of band-iron, around which is drawn the outer case A and B.

F is a stirrup for supporting and holding in position the inner case C and D.

The stirrup F is riveted to the flange E and slants inwardly and downwardly, the end projecting upwardly, forming a hook, as shown, within which is placed the inner case C, the inner case D being placed on the inner side of case C, as shown.

We claim as our invention and desire to secure by Letters Patent—

1. As a new article of manufacture, a coupling for furnace-sections, consisting of a single beaded or ribbed band adapted to couple the outer sections and having appendages for holding or supporting the inner-case sections in proper relation with the outer-case sections, substantially as described.

2. As an article of manufacture, a coupling for furnace-sections consisting of a single beaded or ribbed band adapted to couple the outer sections and having beveled flanges and having appendages for holding the inner-drum sections in proper relation in the furnace, substantially as described.

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Witnesses:

KARL KOLBE,
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