

(No Model.)

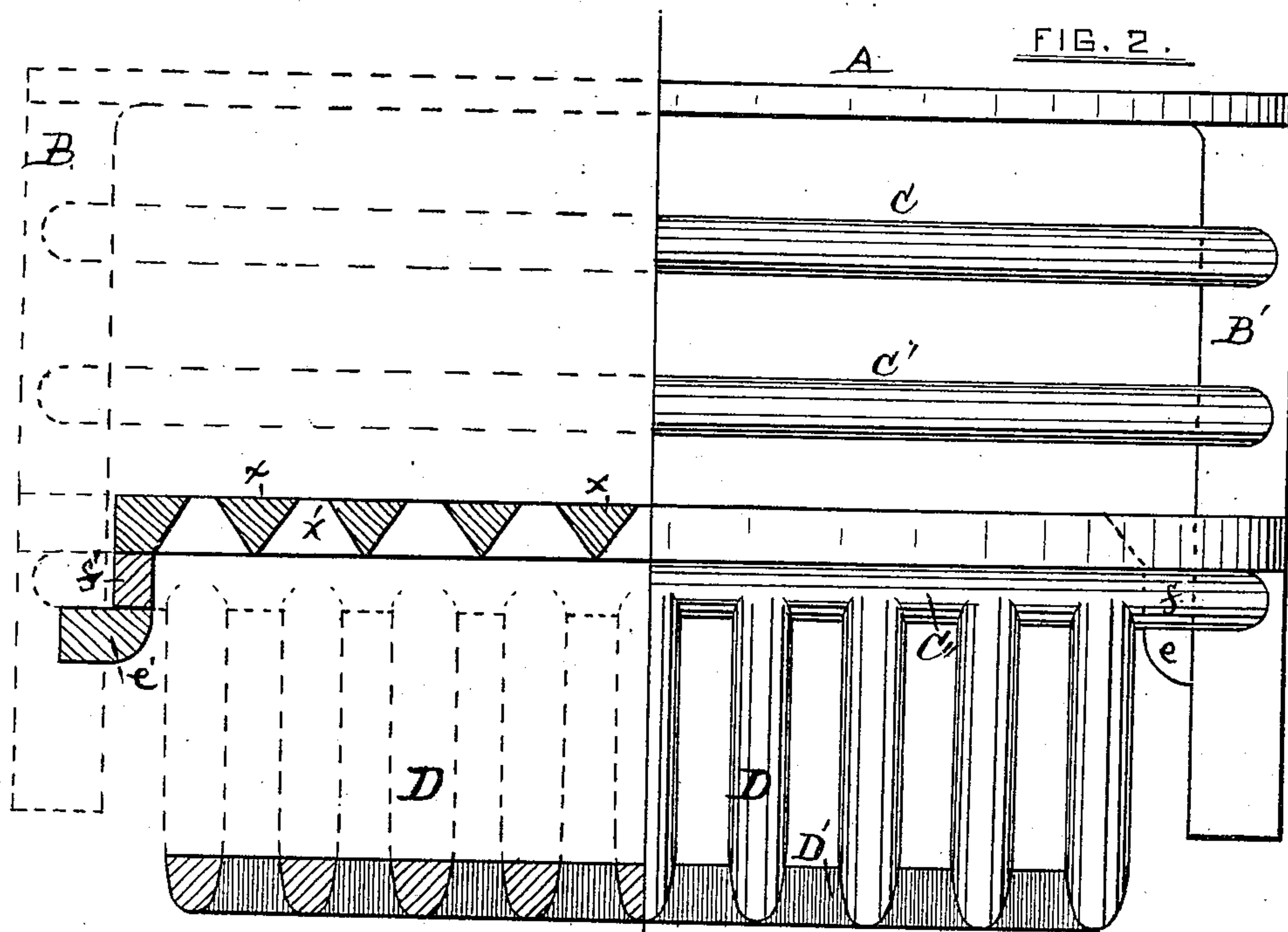
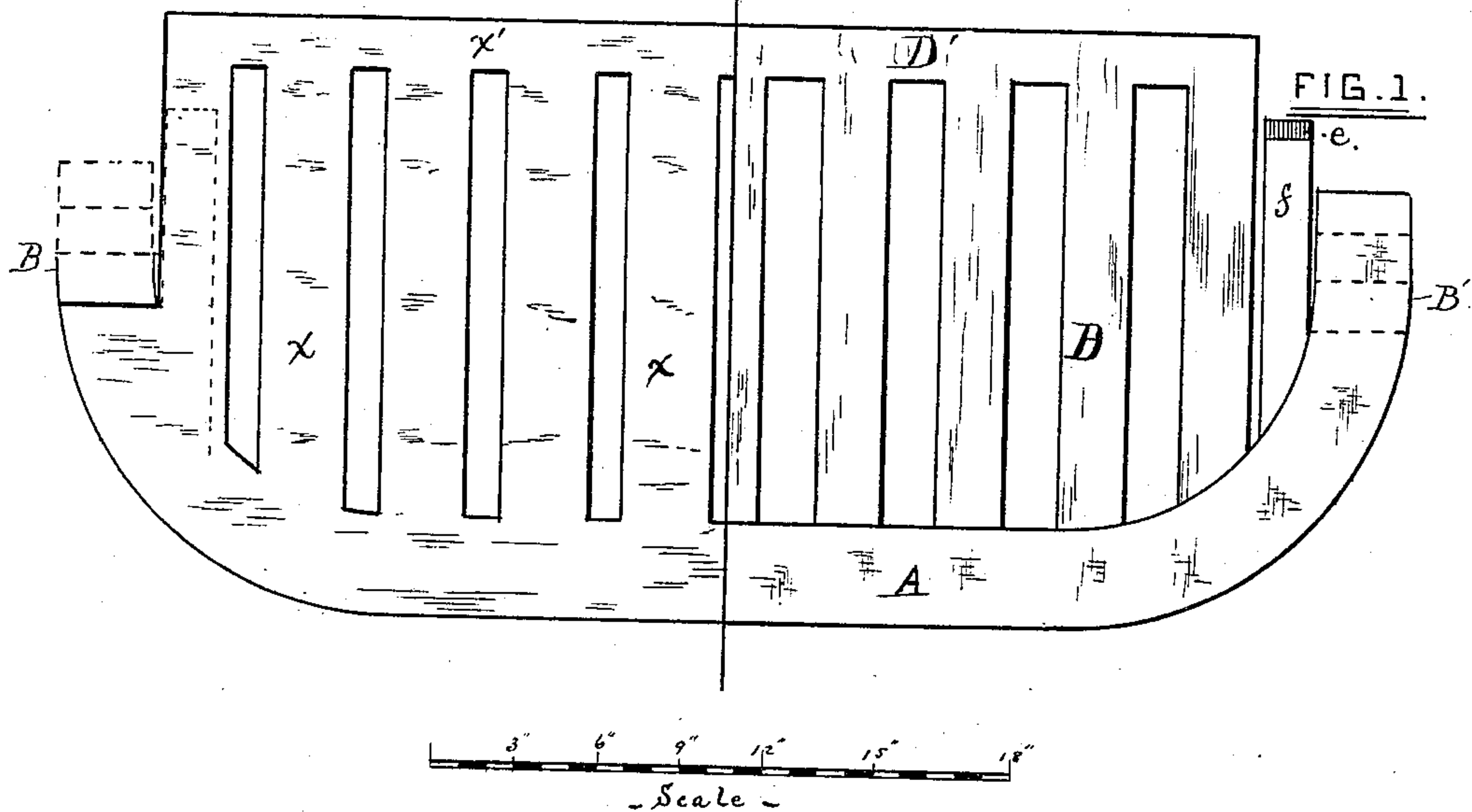
2 Sheets—Sheet 1.

C. F. W. DANKERS.

GRATE BASKET.

No. 267,499.

Patented Nov. 14, 1882.



WITNESSES.

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(No Model.)

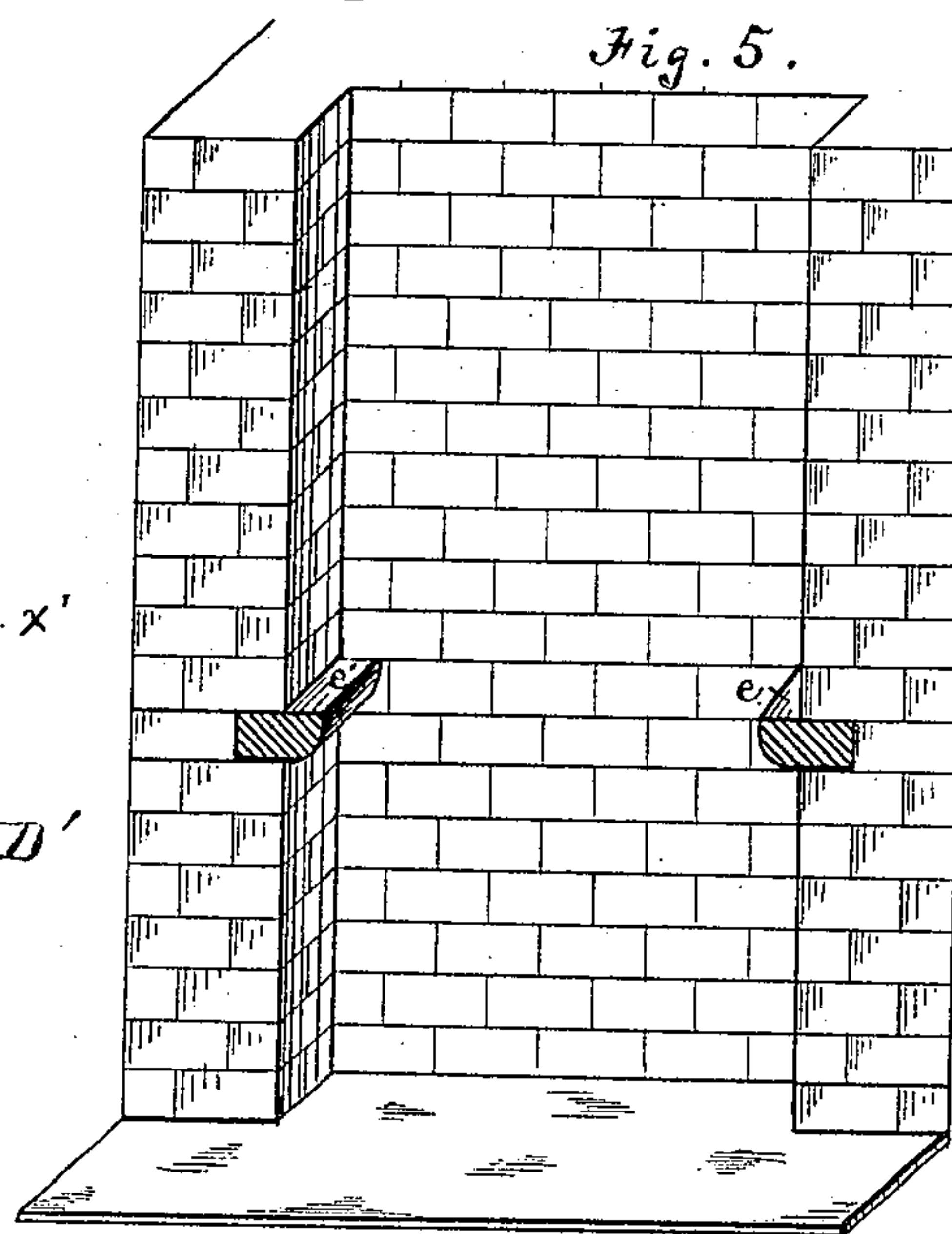
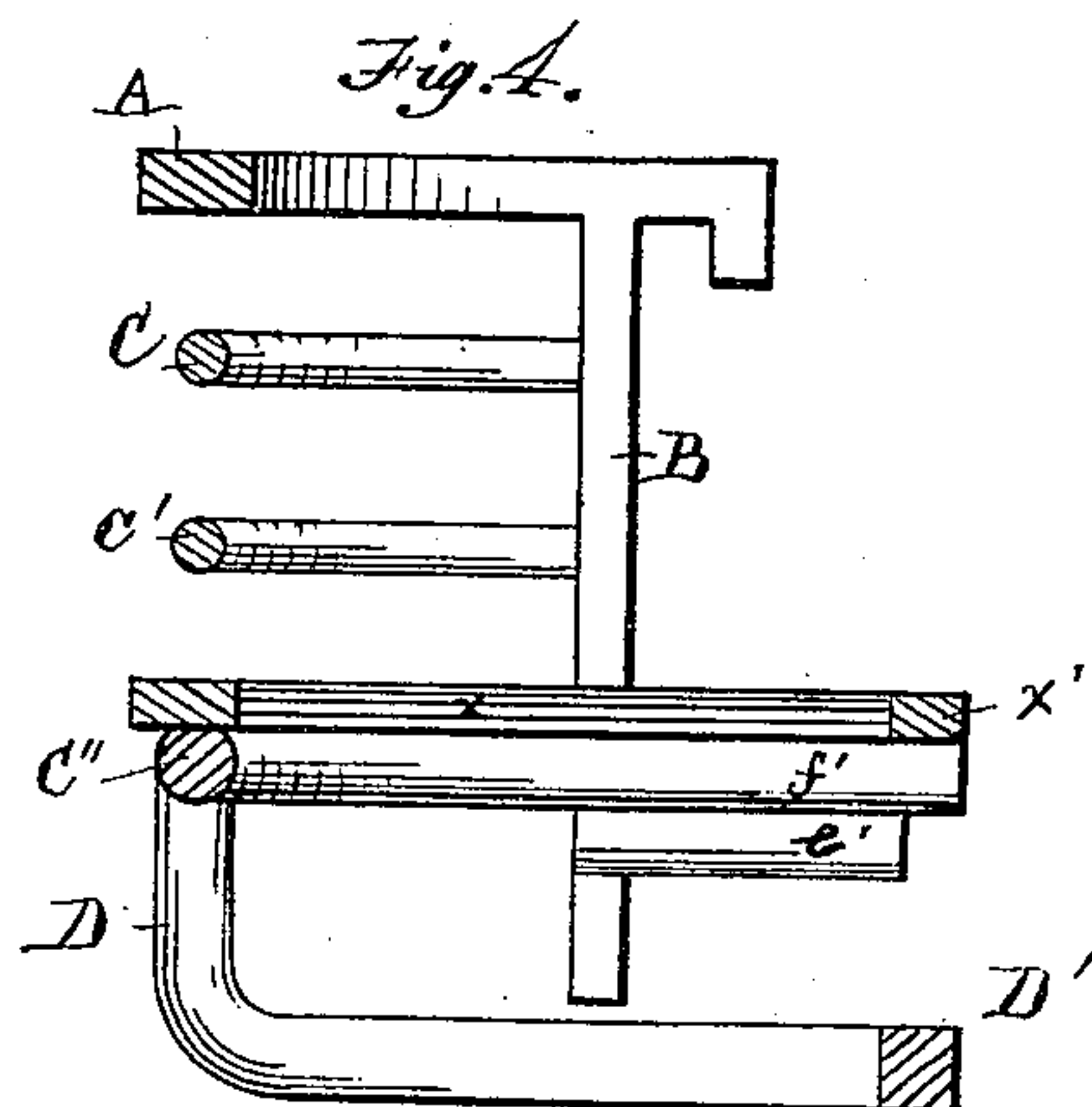
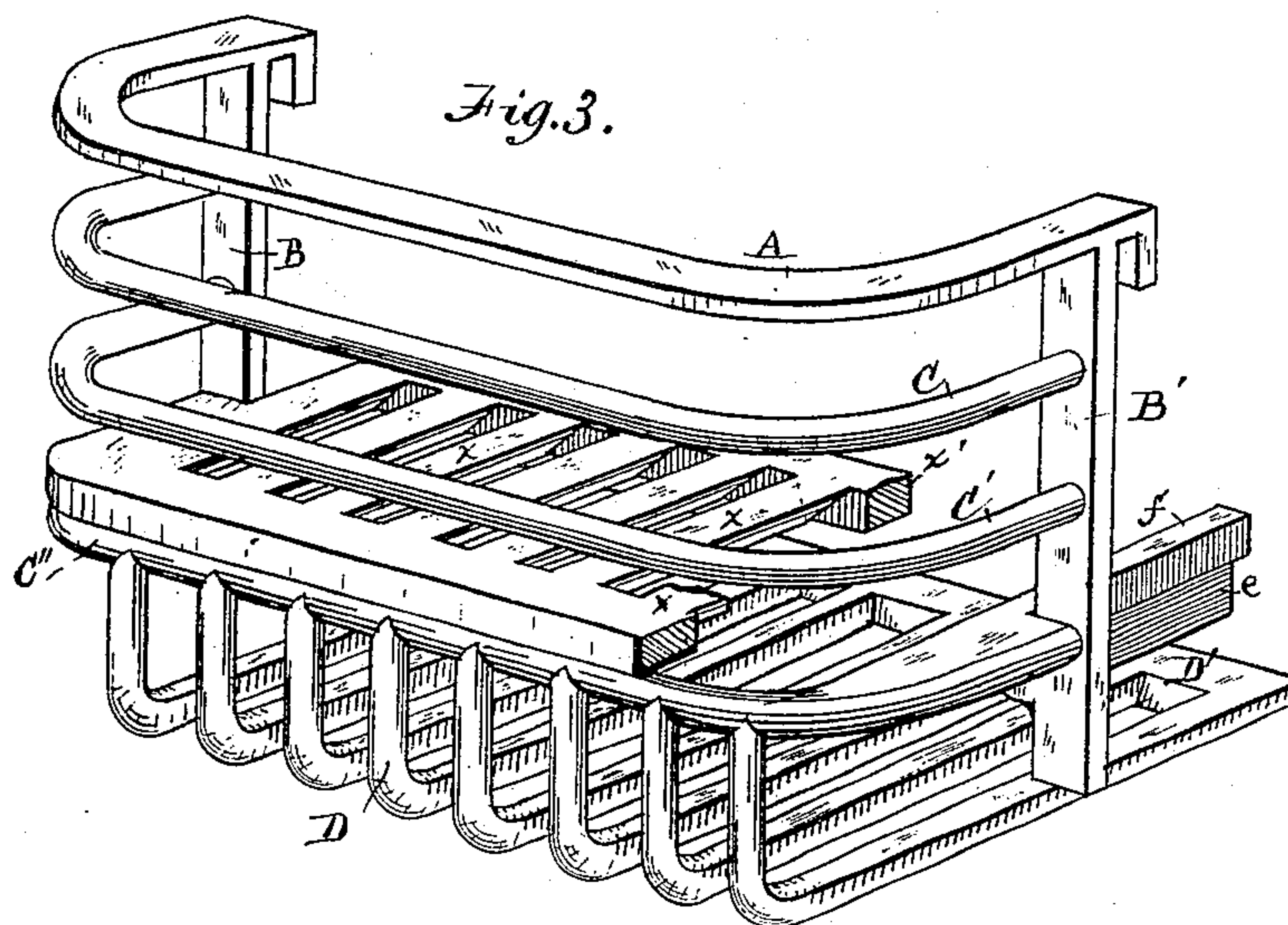
2 Sheets—Sheet 2.

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GRATE BASKET.

No. 267,499.

Patented Nov. 14, 1882.



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UNITED STATES PATENT OFFICE.

CHARLES F. W. DANKERS, OF NEW ORLEANS, LOUISIANA.

GRATE-BASKET.

SPECIFICATION forming part of Letters Patent No. 267,499, dated November 14, 1882.

Application filed May 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. W. DANKERS, a resident of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new and useful Improvement in Grate-Baskets; and I do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawings, making a part of this specification.

This invention relates to certain improvements in the construction of grate-baskets such as are employed in fire-places for the heating of dwellings, offices, &c.; and it consists in constructing the said baskets with two separate and independent detachable grates or bottoms, as will be hereinafter fully set forth.

My invention will, however, be more readily understood by referring to the accompanying drawings, whereon the same is represented on two sheets, one half of Figure 1 representing a top view of the grate-basket with upper grate removed and the other half a similar view of the said upper detachable grating. Fig. 2 represents a front elevation of the grate, one half of which is represented in sections, so as to show both upper and lower bottoms. Fig. 3 is a perspective view of the basket complete, with portion of the upper grate broken away to show more clearly the manner in which the lower grate is supported in position; and Fig. 4 is a vertical cross-section of the basket with its detachable bottoms. Fig. 5 is a perspective view of an ordinary fire-place, with bars embedded in the masonry at the sides thereof instead of being connected with the vertical bars of the basket, as shown in the other figures.

The letter A designates the upper bar, B B' the vertical side bars, and C C' the horizontal bars, all of which are the same as in ordinary grate-baskets. The lowest bottom of my basket has the outside appearance of the lowest portion of an ordinary basket, having a horizontal front bar, C'', curved bars D, of

usual form, and rear connecting-bar, D'. There is this difference, however, that the bar C'' has no connection with the bars B B', but is provided with rear projecting bars or slides, *ff'*, which rest on lugs or bars *ee'*, that form part of the vertical side pieces, B B', or are imbedded in the masonry at the rear thereof. The front bar of the upper detachable grate is shaped like the top bar, A, of the basket. From its inner edge triangular-shaped bars *x*, with flat side uppermost, project rearward and terminate in a connecting-bar, as shown at *x'*. This grate is fitted so as to slide over the bar C'' and have bearings on the rear projecting bars, *ff'*, thereof. The peculiar shape of the bars *x* presents to the currents of air passing upward between the same increased surfaces, which, on being heated, serve to increase the temperature of the air-currents before they reach the fuel, and thus render the combustion more perfect.

I claim the right to change the details of constructing some of the parts without departing from the spirit of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

1. A grate-basket having a detachable bottom provided with rear projecting slides, *ff'*, in combination with the supporting lugs or bars *ee'*, as described, and for the purpose set forth.

2. A grate-basket having two detachable bottoms arranged to operate as herein described, the lower bottom provided with rear projecting slides, and the vertical side pieces of the basket furnished with lugs whereby the aforesaid bottoms are supported, substantially as herein specified.

In testimony whereof I hereunto sign my name.

CHARLES F. W. DANKERS.

In presence of—

J. W. MÜLLER,

LOUIS McCUTCHON.