

No. 617,698.

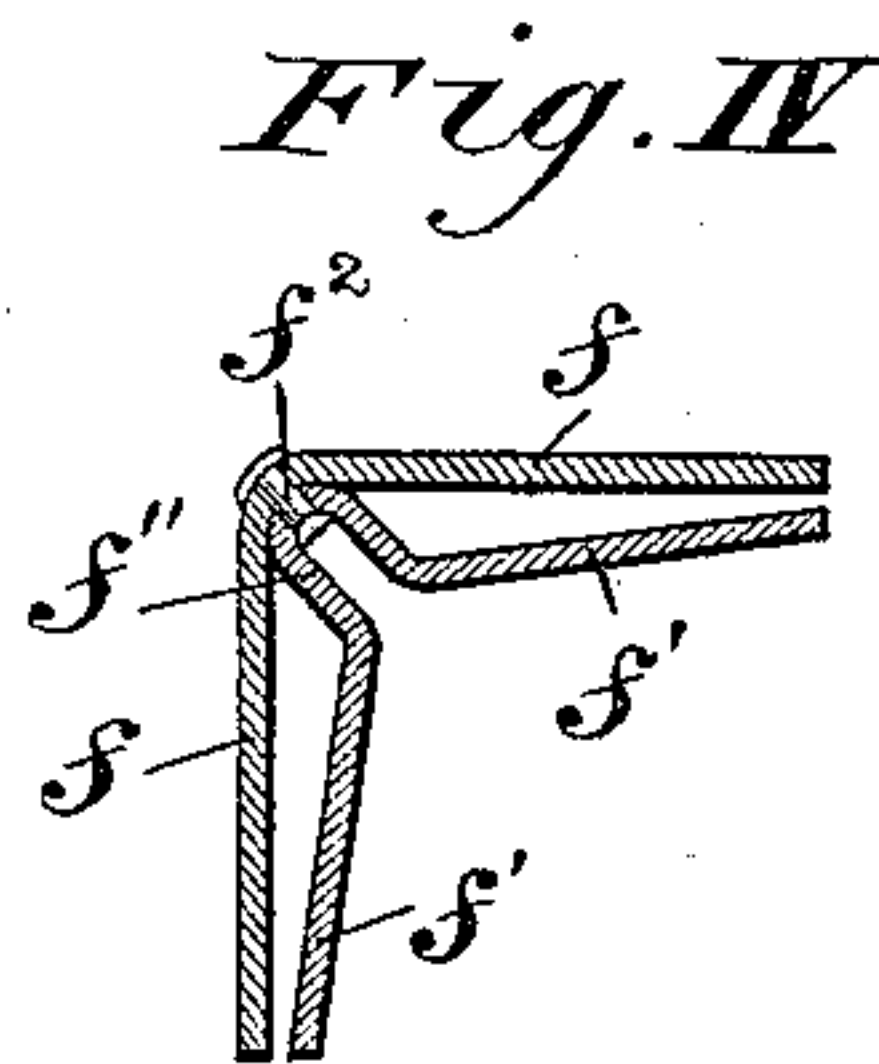
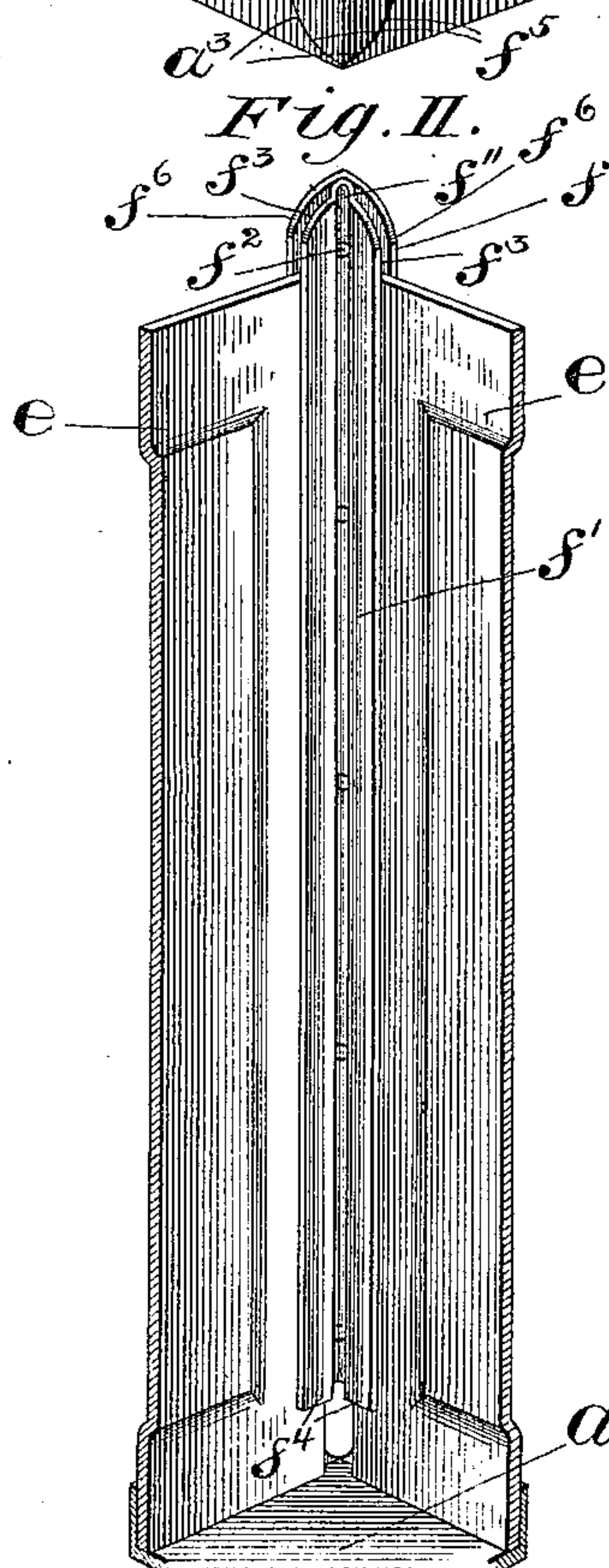
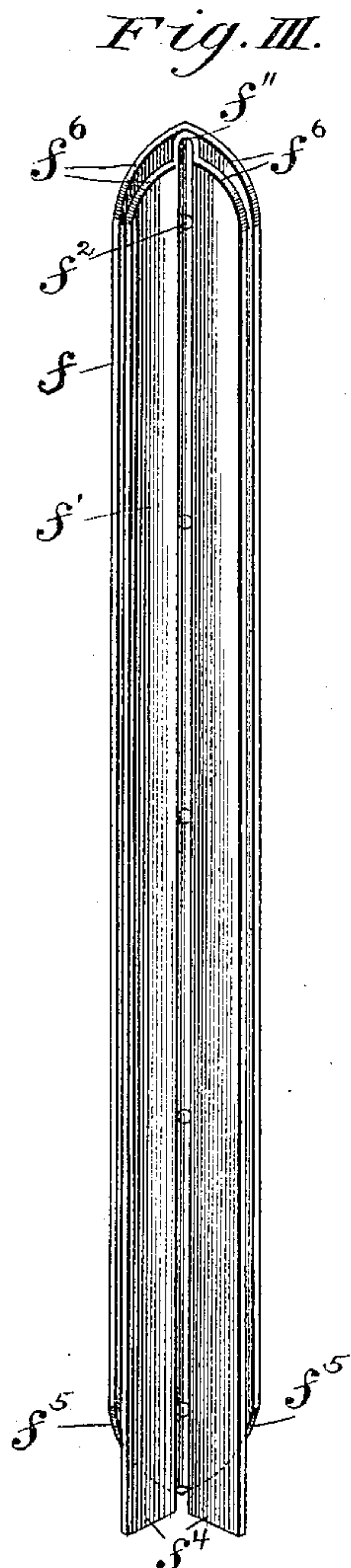
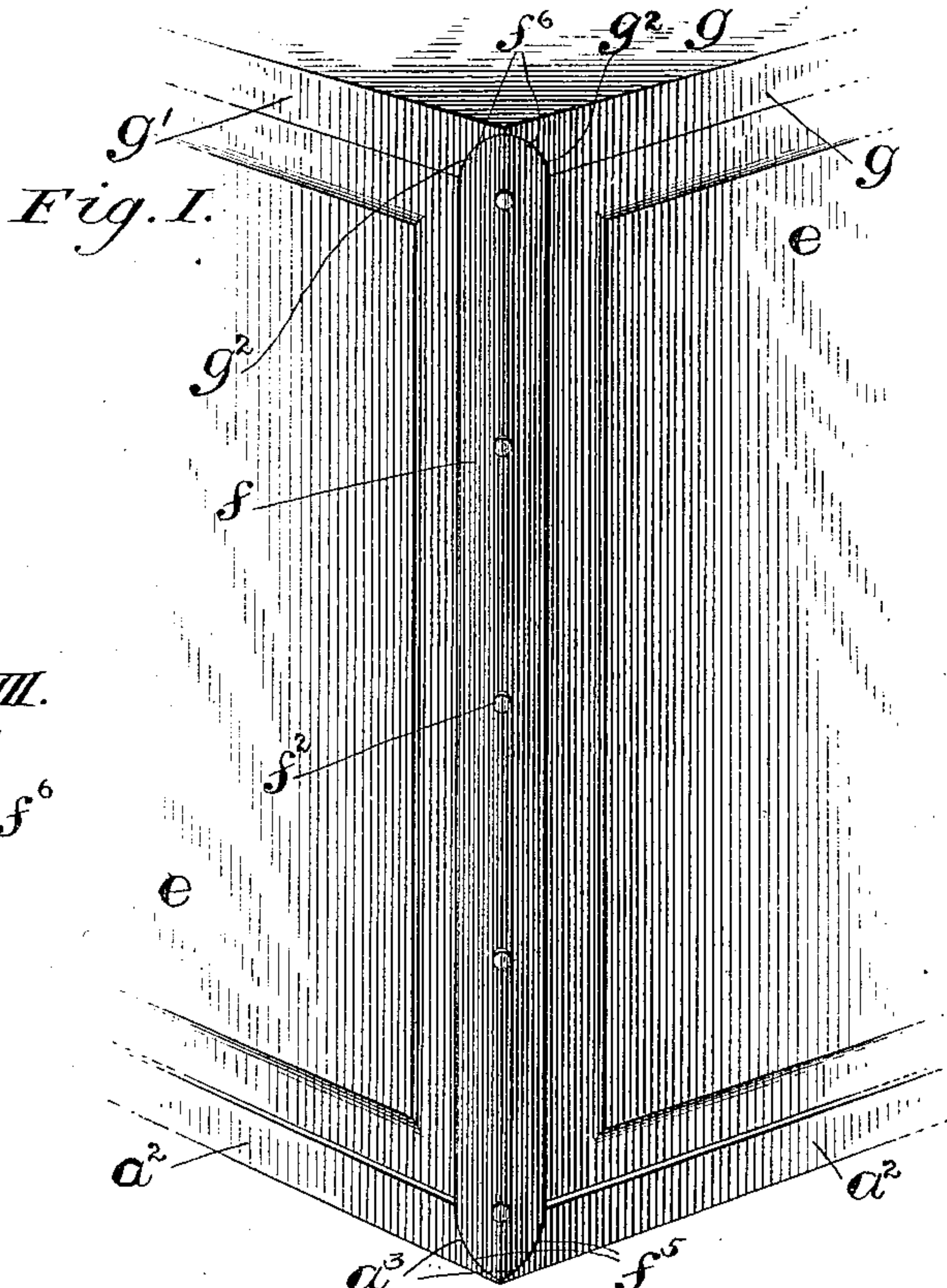
Patented Jan. 10, 1899.

C. H. BOECK.

CORNER PIECE FOR KNOCKDOWN STRUCTURES.

(Application filed Dec. 7, 1898.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

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CORNER-PIECE FOR KNOCKDOWN STRUCTURES.

SPECIFICATION forming part of Letters Patent No. 617,698, dated January 10, 1899.

Original application filed August 19, 1898, Serial No. 688,950. Divided and this application filed December 7, 1898. Serial No. 698,567. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. BOECK, a citizen of the United States, residing at Jackson, in the county of Jackson and State of Michigan, have invented certain new and useful Improvements in Corner-Pieces for Knockdown Structures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This application is a division of that filed by me August 19, 1898, Serial No. 688,950; and the object of the present invention is to provide an improved construction of corner-piece for knockdown ovens or like knockdown structures, which corner-piece can be economically manufactured, easily and effectively applied, and will present a neat and finished appearance when applied, while at the same time possessing sufficient strength and durability to meet all requirements.

To this end the invention consists in a new article of manufacture the essential elements of which are recited in the appended claims and a preferred form of embodiment of which is illustrated in the accompanying drawings, forming part of this specification.

Figure I represents in perspective a portion of a knockdown structure having my corner-piece applied thereto. Fig. II is an interior perspective view of the same without the top plate and with the corner-piece in process of application to the sides of the knockdown structure, which appears in section, as does also a portion of the bottom plate of said structure. Fig. III shows the corner-piece detached and in perspective as viewed from the inner side thereof. Fig. IV shows the corner-piece in cross-section.

In the drawings the corner-piece is shown as comprising a pair of sheet-metal strips f and f' angular in cross-section and the inner strip f' grooved or crimped at its angle, as shown at f'' , so as to enter the angle of the outer strip, to which it is connected by rivets f^2 , passing through the crimped portion of the inner strip. The portions of the latter on opposite sides of the groove f'' normally

extend toward corresponding portions of the outer strip, but are separated therefrom, so as to form grooves f^3 , (see Fig. IV,) and the strips being of substantially right-angle formation these grooves necessarily are substantially at right angles to each other, so that they are adapted to receive the adjacent edges of the sides e of an oven or other knockdown structure of cubical form in the manner illustrated in Fig. II. The convergence of the side portions of the strips provides for their more closely hugging the side plates of the oven and making an air-tight closure, as well as insuring rigidity and a finished appearance. The inner strip f of the corner-piece is preferably left square at the lower end, as shown at f^4 , so as to extend beyond the outer strip and assist the operator in putting the parts together, while the outer strip is rounded or convexed, as shown at f^5 , so as to fit the rounded or concaved edges a^3 of the flanges a^2 of the bottom plate a and give a finished exterior appearance, removing any indication of a knockdown construction when the parts are fitted together. Both the inner and outer strips of the corner-piece are similarly rounded at their upper ends, as shown at f^6 , the top plate g of the oven being formed with downturned flanges g' , which are cut out on a curve or concaved at their ends, as shown at g^2 , to fit the curved upper edges of the outer strip of corner-piece.

In applying a corner-piece of the above description it is customary to bring the sides to be united into proper relation and then slide the corner-piece over the adjacent edges thereof, as illustrated in Fig. II, and in this connection the extension of the inner strip somewhat beyond the outer strip at one end will be seen to be of advantage in starting the operation.

It will be seen that a construction such as above described, and illustrated in the accompanying drawings, is well adapted to fulfil the objects primarily stated. At the same time it will be understood that modifications in the details of construction can be made without departing from the spirit and scope of the invention.

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

1. A corner-piece for knockdown ovens consisting of a pair of metal strips which are angular in cross-section and secured together along their longitudinal centers, one within the angle of the other; their outer portions being free or separated to provide outwardly-opening grooves or spaces, substantially as described.

2. A corner-piece for knockdown ovens or like structures, consisting of a pair of metal strips each angular in cross-section, said strips being nested or fitted one within the other and secured together along a central line with the inner strip crimped into the angle of the outer strip whereby grooves are

formed between the strips, substantially as described.

3. A corner-piece for knockdown ovens consisting of a pair of metal strips which are angular in cross-section and secured together along their longitudinal centers, one within the angle of the other; their outer portions being free or separated to provide outwardly-opening grooves or spaces, and one strip extending beyond the other at one end, substantially as and for the purpose described.

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

CHARLES H. BOECK.

Witnesses:

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