

(No Model.)

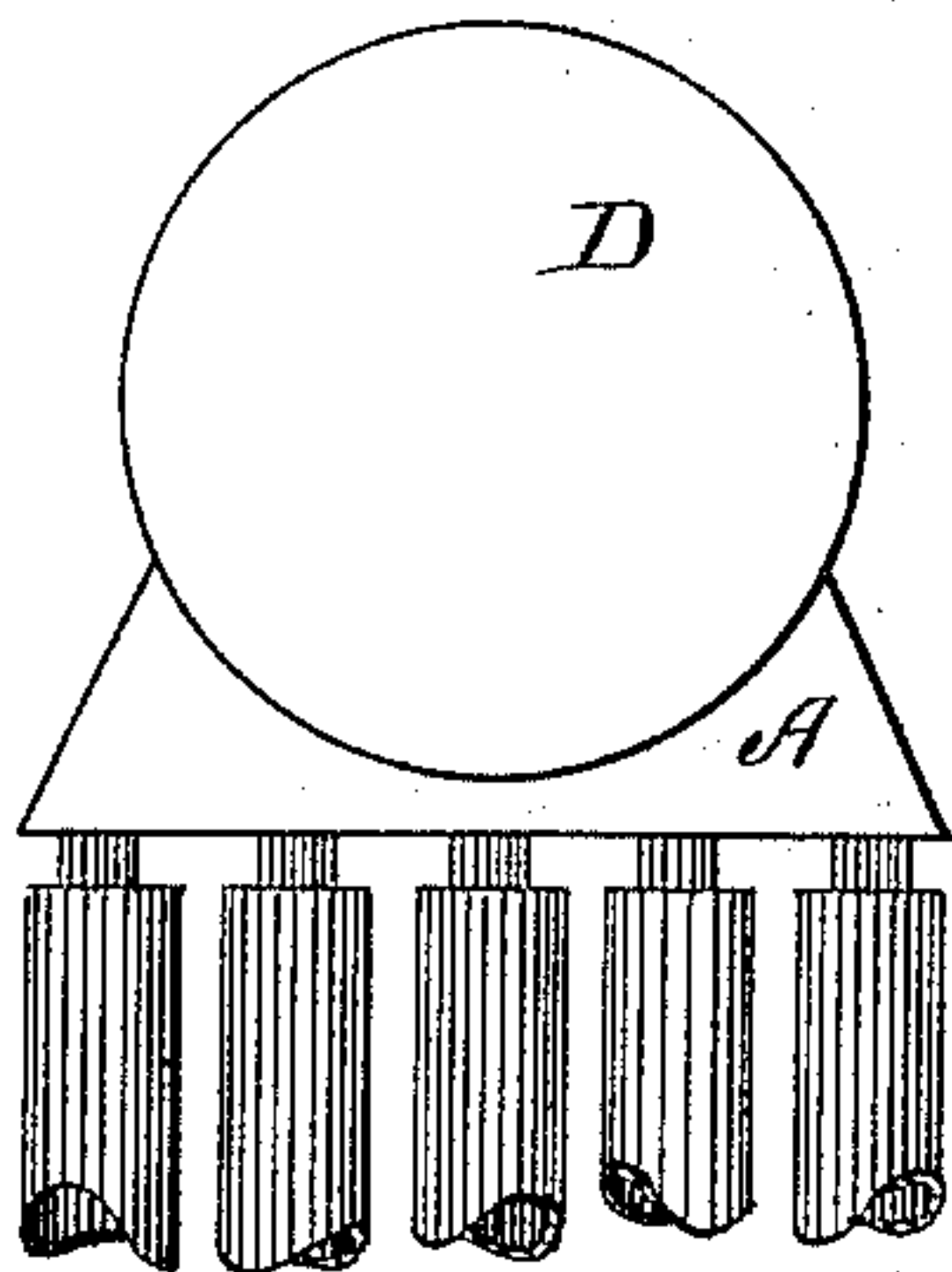
W. KENT.

CONNECTING BOX FOR WATER TUBE BOILERS.

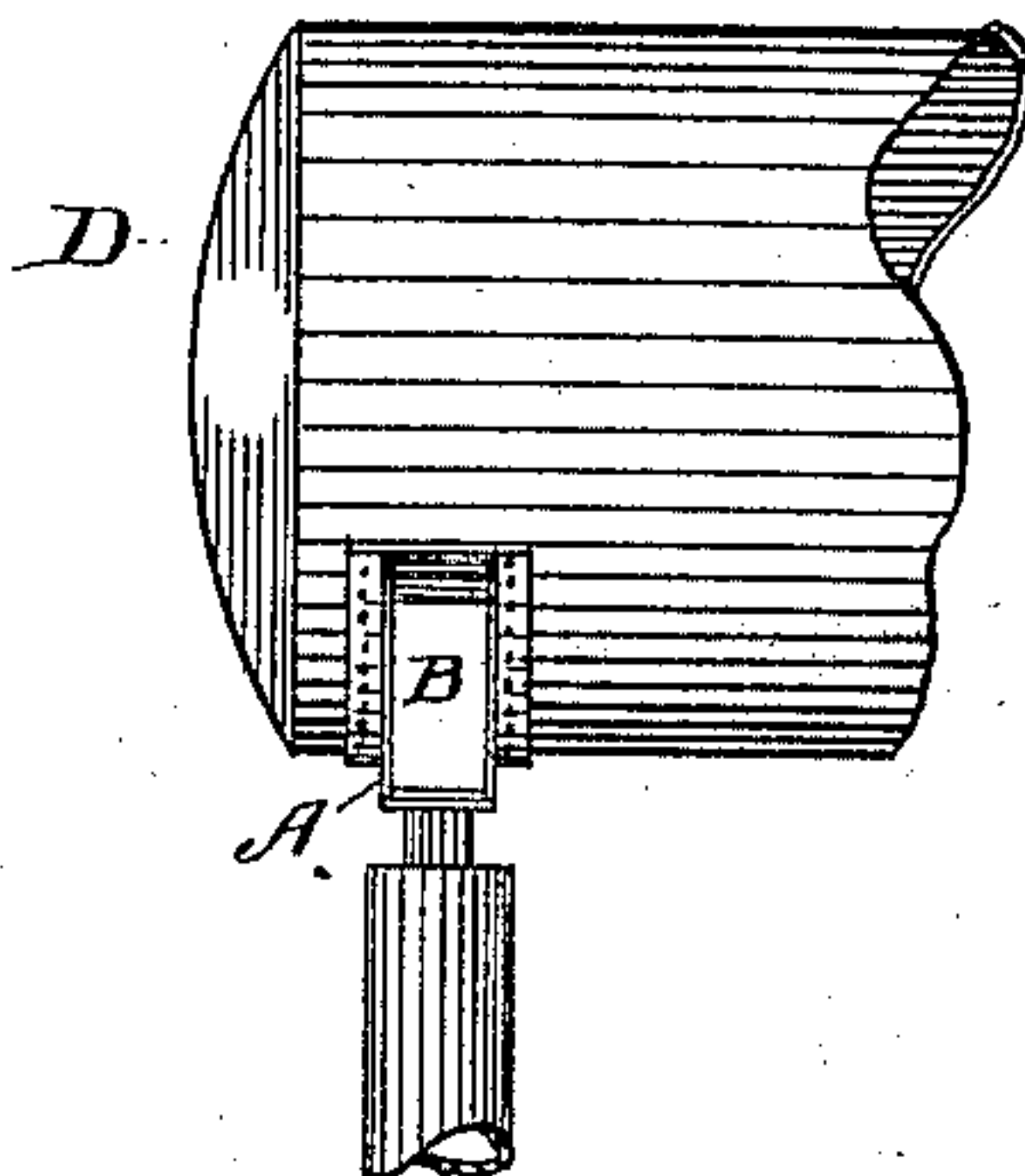
No. 330,128.

Patented Nov. 10, 1885.

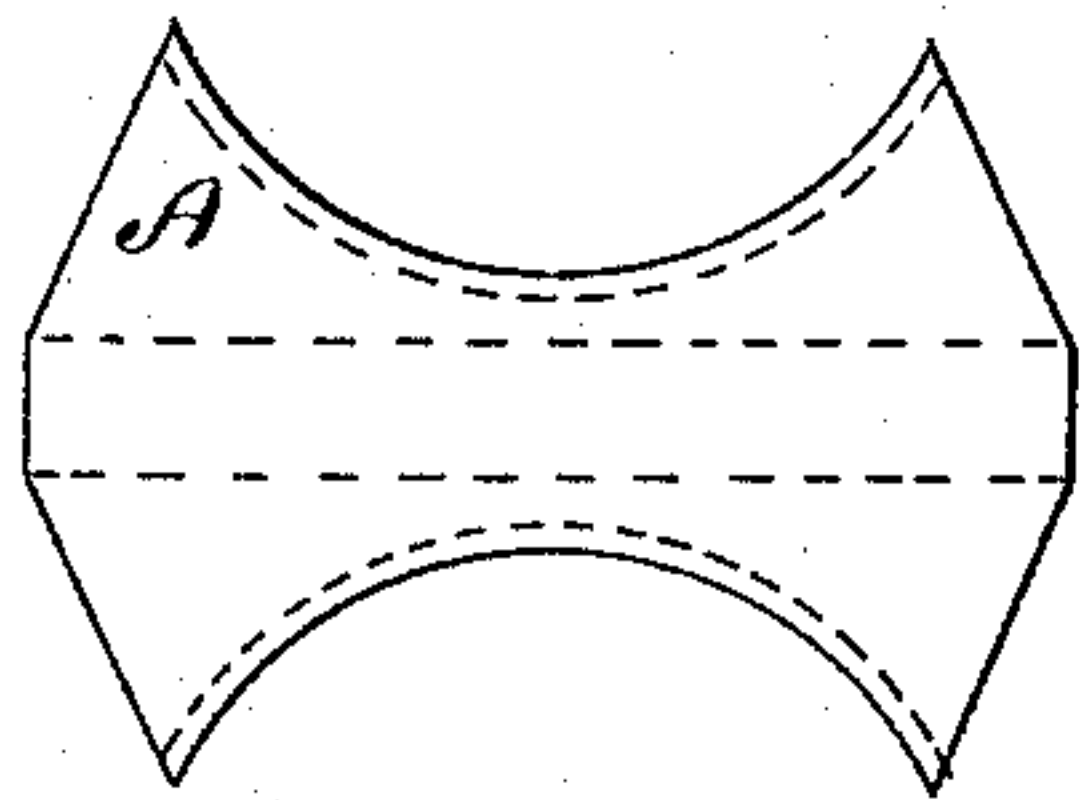
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



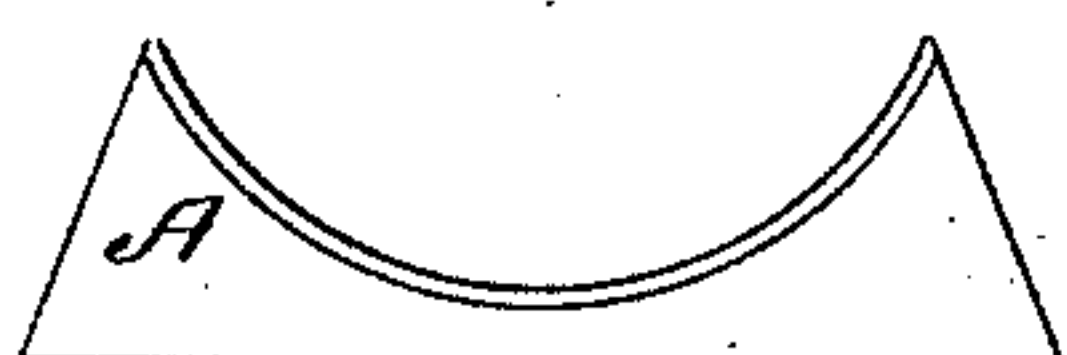
*Fig. 6.*



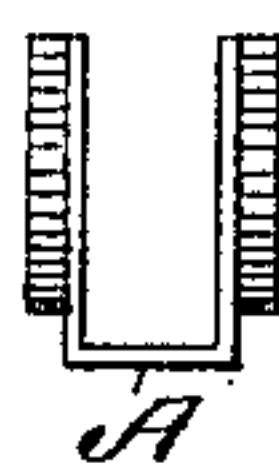
*Fig. 7.*



*Fig. 4.*



*Fig. 5.*



*Fig. 8.*



Witnesses

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# UNITED STATES PATENT OFFICE.

WILLIAM KENT, OF JERSEY CITY, NEW JERSEY.

## CONNECTING-BOX FOR WATER-TUBE BOILERS.

SPECIFICATION forming part of Letters Patent No. 330,128, dated November 10, 1885.

Application filed March 23, 1885. Serial No. 159,898. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM KENT, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Water-Tube Boilers; 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.

My invention relates to certain new and useful improvements in connecting-boxes for water-tube boilers, and has for its object to provide a connecting-box which shall be cheap and convenient; and with these ends in view my invention consists in the details of construction hereinafter fully described, and specifically designated by the claim.

In order that those skilled in the art to which my invention appertains may more fully understand the same, I will proceed to describe its construction, referring by letter to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is an end view of a boiler provided with my improvement; Fig. 2, a side view of the same; Fig. 3, the blank from which the sides and bottom of the box are formed; Fig. 4, a view of the same after being bent into shape; Fig. 5, an end view of the same; Fig. 6, the blank from which the ends are formed; Fig. 7, a section of a completed end; and Fig. 8, a

view similar to Fig. 4, with the ends in place, shown in dotted lines.

Similar letters denote like parts in the several figures of the drawings.

A is a blank, which I cut from sheet metal, as seen in Fig. 3, and bend by means of dies at the dotted line into the shape shown in Figs. 4 and 5.

B are the ends of the box, which stand at an angle when in position. These ends are made cup shaped, Fig. 7, by bending the blank shown in Fig. 6 at the dotted lines. The ends are secured in position within the sides and to the bottom of the box by rivets, and the box thus formed is secured to the drum D in the same manner.

What I claim is—

A connecting-box for a water-tube boiler, having the sides and bottom made from one piece of metal, with flanges projecting laterally from said sides, and end pieces riveted within the sides and to the bottom, the box thus formed being capable of being secured to the boiler by rivets passed through the flanges and said end pieces, substantially as shown and set forth.

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

WILLIAM KENT.

Witnesses:

EDWIN L. WILES,  
ALFRED R. WOLFF.