

(No Model.)

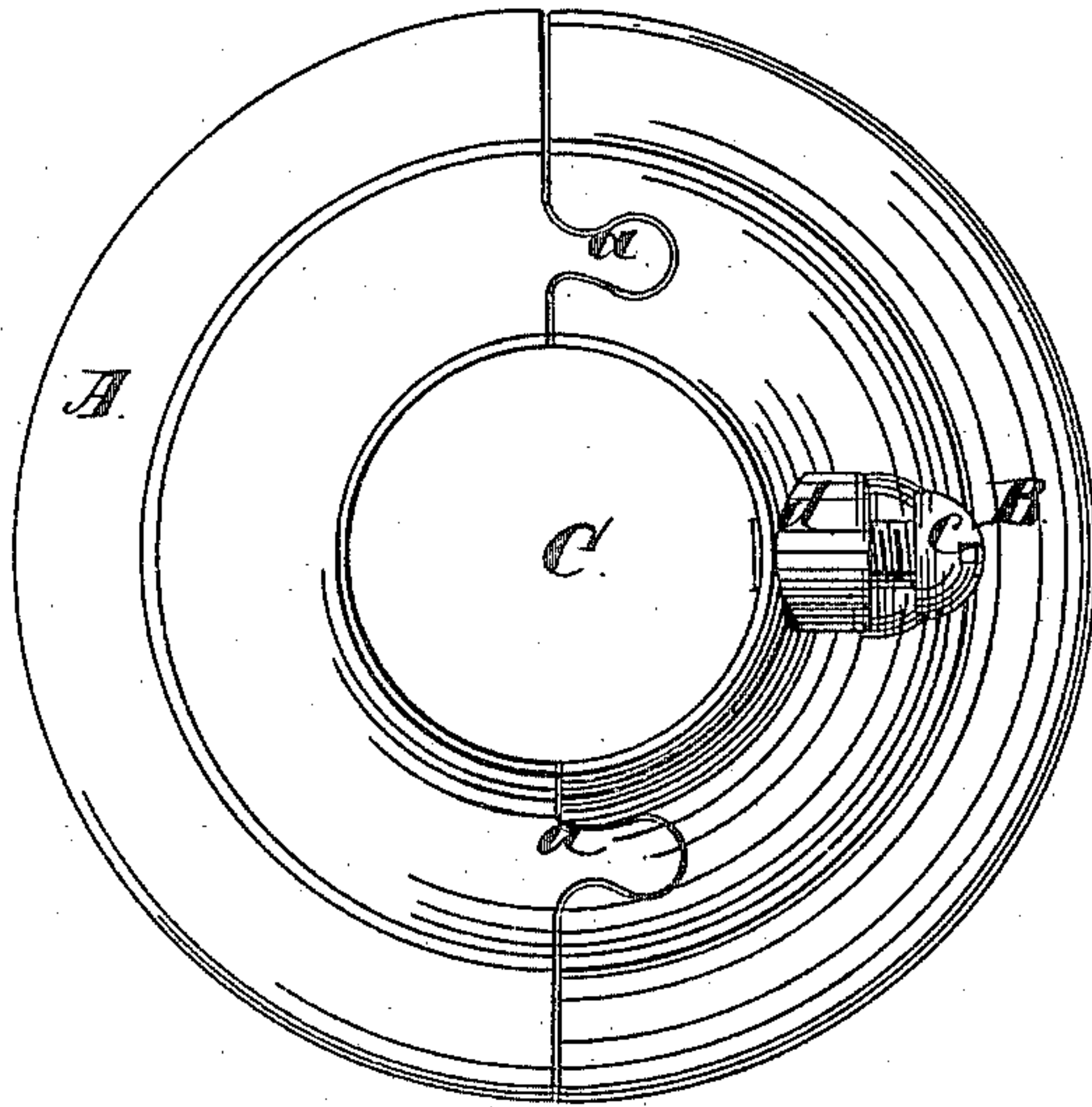
R. T. CRANE.

CEILING PLATE.

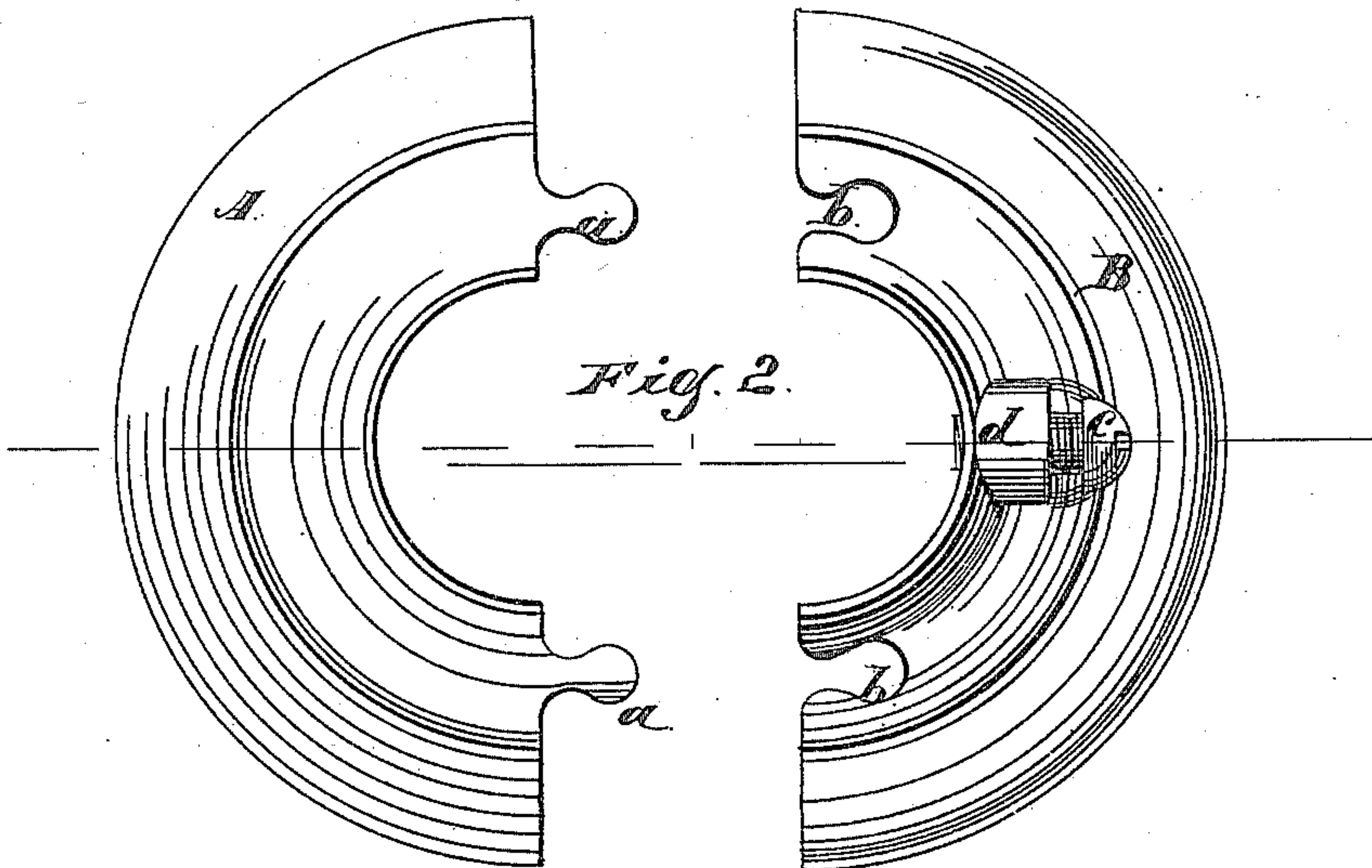
No. 299,203.

Patented May 27, 1884.

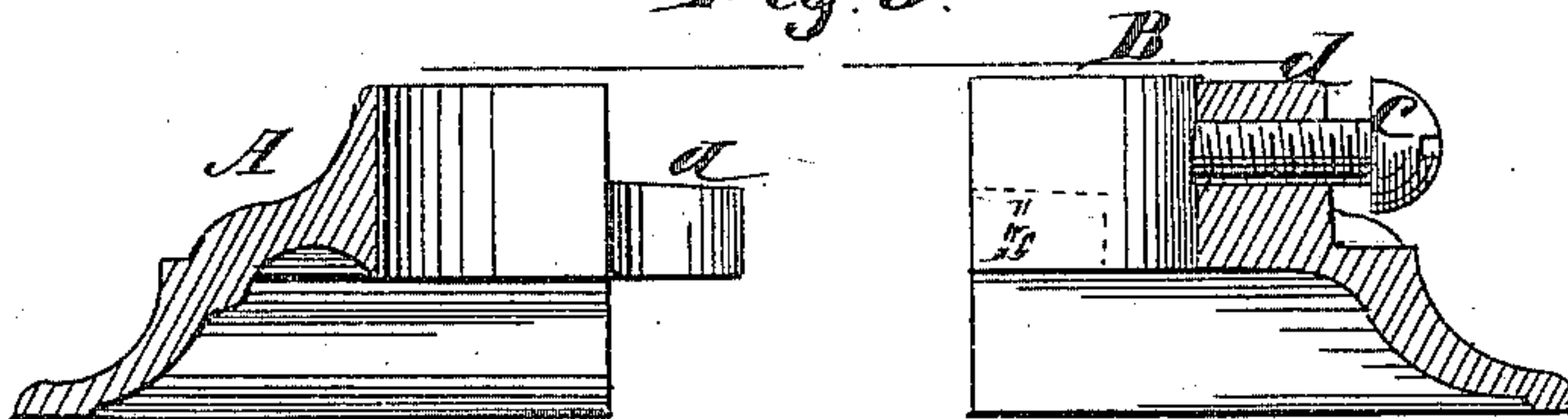
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:  
*Albert H. Adams.*  
*Chas. Bond.*

Inventor:  
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# UNITED STATES PATENT OFFICE.

RICHARD T. CRANE, OF CHICAGO, ILLINOIS.

## CEILING-PLATE.

SPECIFICATION forming part of Letters Patent No. 299,203, dated May 27, 1884.

Application filed April 22, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD T. CRANE, residing at Chicago, in the county of Cook and State of Illinois, and a citizen of the United States, have invented new and useful Improvements in Ceiling-Plates, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is a plan showing the two parts of the plate together. Fig. 2 is a plan showing the two parts detached. Fig. 3 is a vertical section.

Heretofore it has been common to use ceiling-plates made from a single piece of metal, which must be placed over the end of the pipe with which used. The object of my improvement is to provide a ceiling-plate which need not be placed over the end of the pipe, which I attain by making the ceiling-plate in two parts, held together by interlocking dovetailed joints, as illustrated in the drawings, in which—

A represents one half or part, and B the other half or part, of my ceiling-plate. The part A is provided with two projections, *a*, and the part B is provided with two recesses, *b*, to receive the projections *a*. These projections and recesses are dovetail in form, and they are a little larger at the bottom than at the top, and when the two parts are together they fit nicely and cannot be drawn apart laterally. When the two parts are together, as shown in Fig. 1, there is a central opening, C, in size corresponding with the pipe with which it is to be used.

*c* is a set-screw, passing through an enlarge-

ment, *d*, on the part B, which enlargement is provided with a screw-threaded hole.

In use the plate is to be applied to a pipe by first separating the two parts from each other, as shown in Fig. 2, and then bringing them together from opposite sides of the pipe with which they are to be used, and inserting the projections *a* into the recesses *b*, and then pushing the two parts to the place which they are to occupy against the ceiling or wall. Then by means of the set-screw the ceiling-plate can be clamped upon the pipe, and will be firmly held in place by the set-screw without the aid of screws or other fastenings passing through the plate and into the ceiling or wall.

The parts A B can be made of malleable iron or other suitable metal.

In describing my invention I have regarded that part of the plate which is shown in Fig. 1 as the top. The position of the plate, of course, will be reversed when it is placed against the ceiling.

The described ceiling-plate can of course be used for the side wall and other places to which it is adapted.

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

A ceiling-plate consisting of two parts, A B, one provided with projections *a*, the other with recesses *b*, substantially as and for the purpose specified.

RICHARD T. CRANE.

Witnesses:

O. W. BOND,  
ALBERT H. ADAMS.