

J. WEAVER.
Stove-Pipe Joints.

No. 142,879.

Patented September 16, 1873.

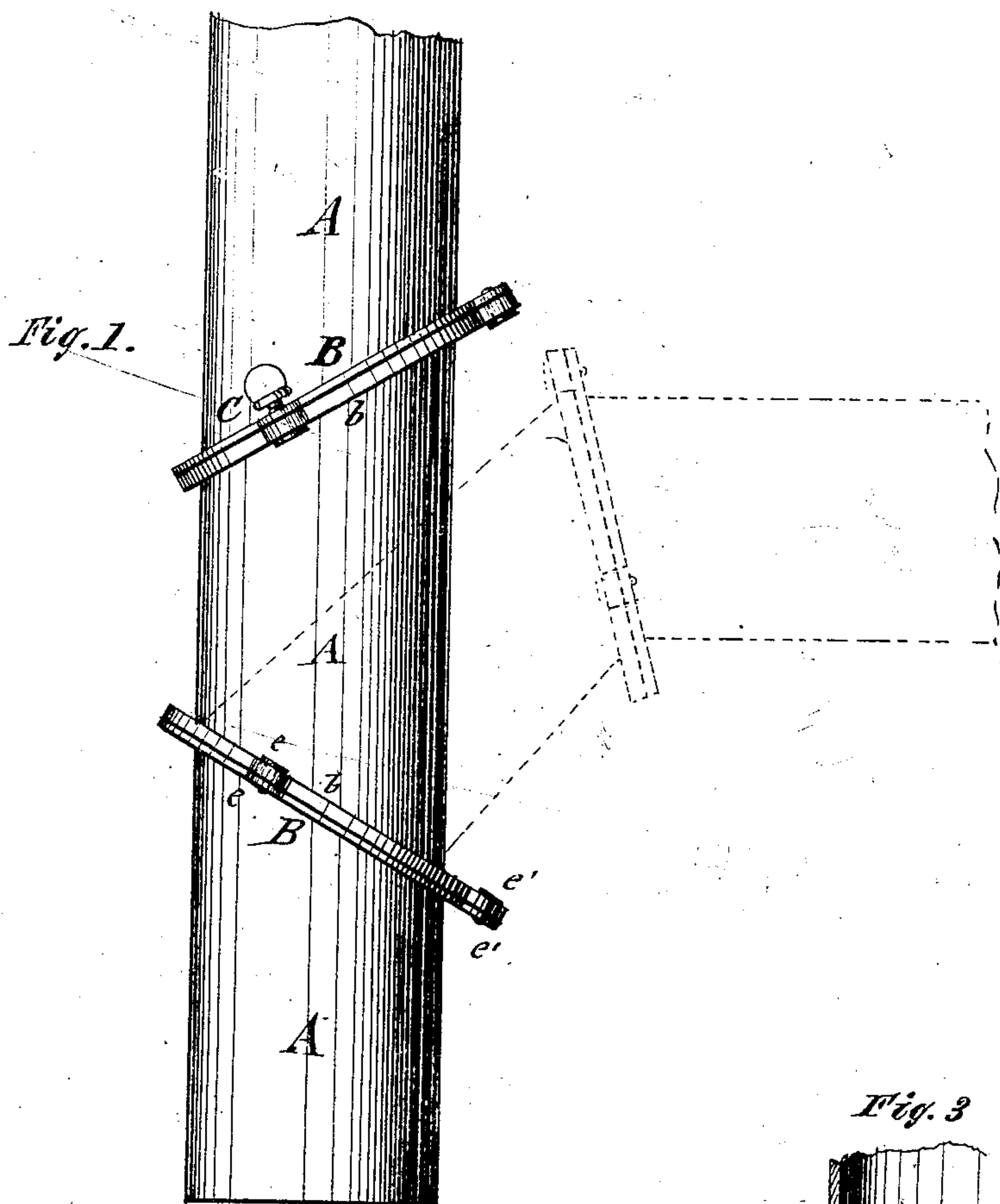
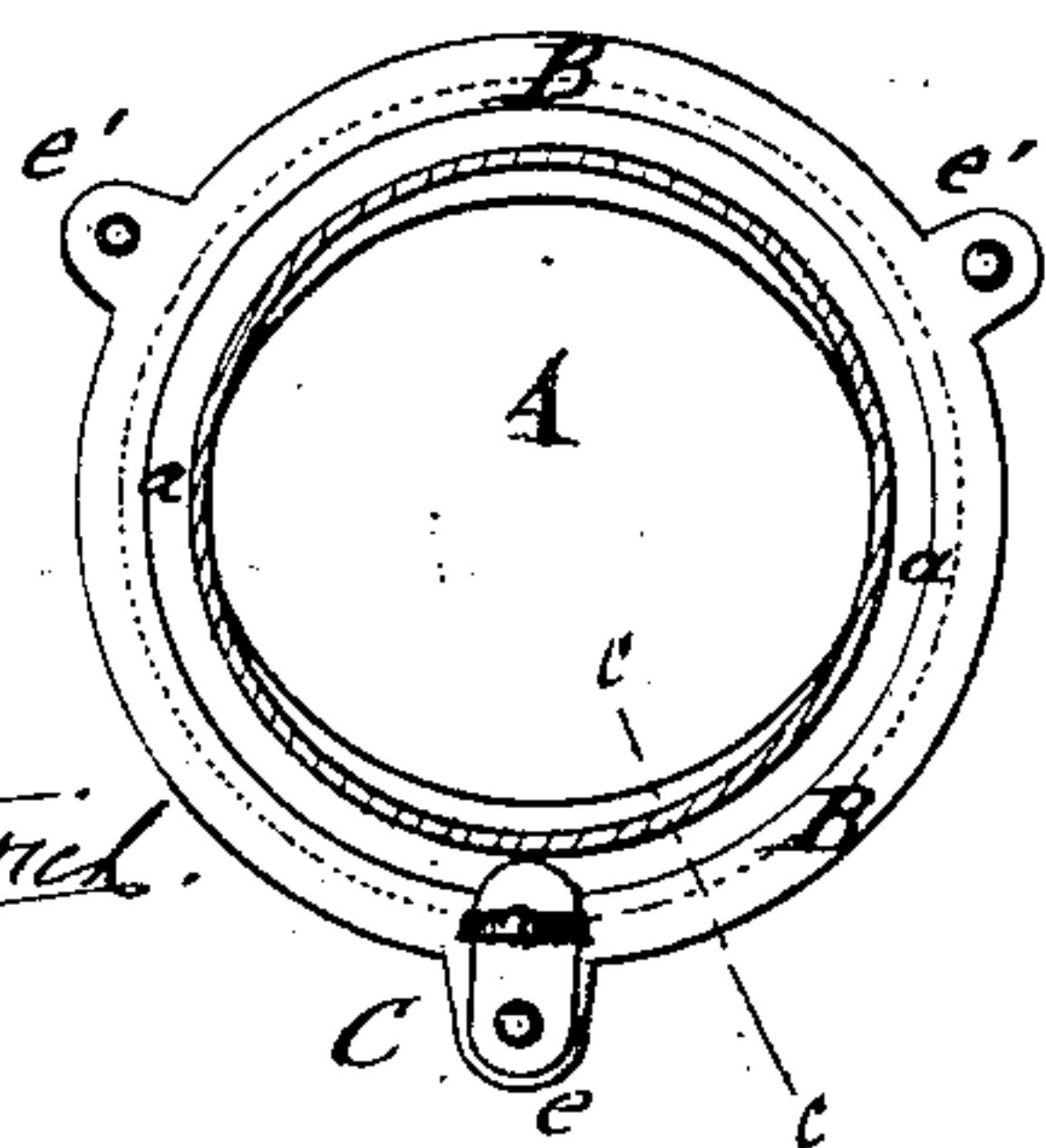
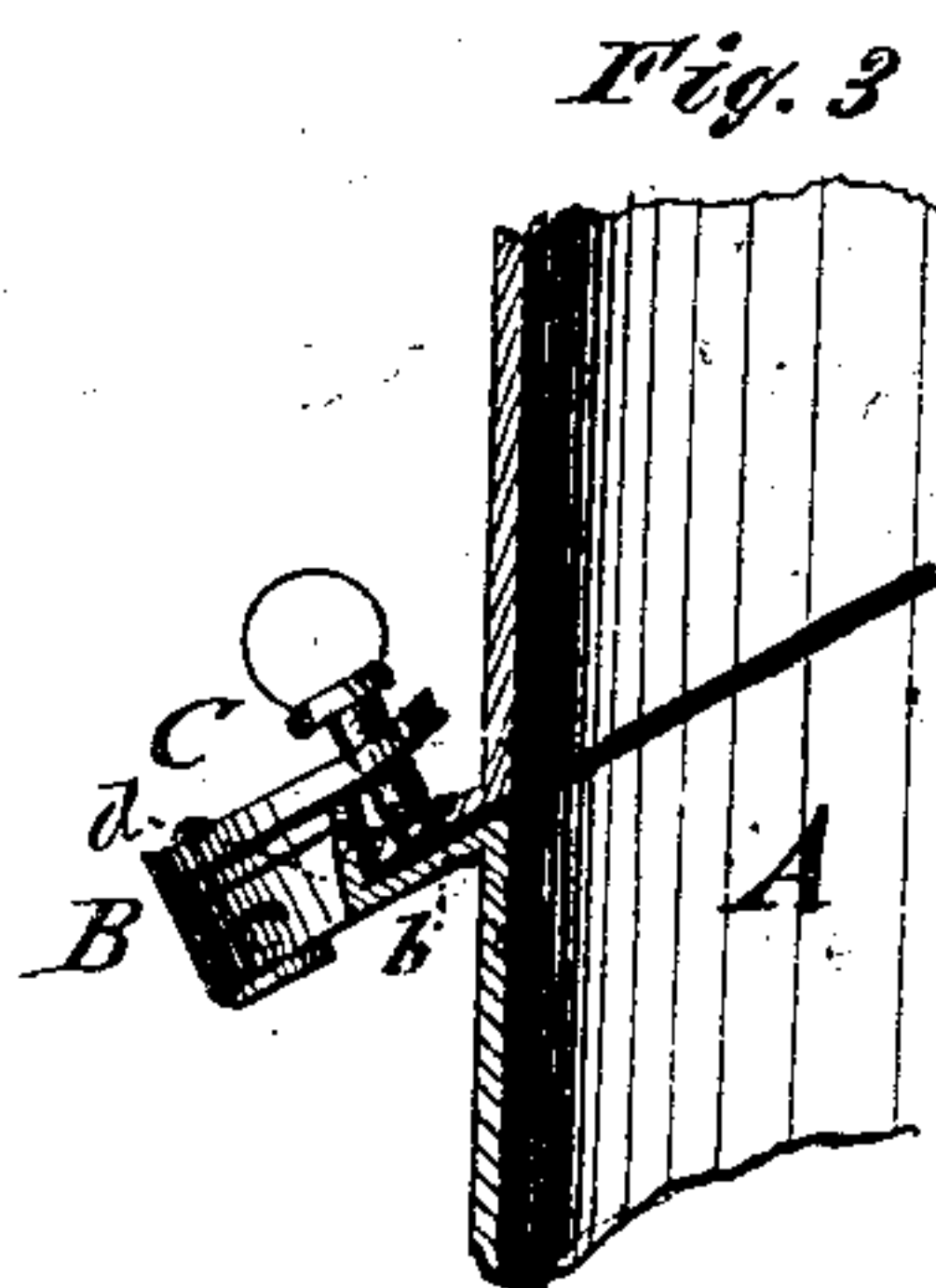


Fig. 2.



Witnesses:
P. C. Dietrich.
W. J. G. 1873



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UNITED STATES PATENT OFFICE

JACOB WEAVER, OF TIPTON, IOWA.

IMPROVEMENT IN STOVE-PIPE JOINTS.

Specification forming part of Letters Patent No. 142,879, dated September 16, 1873; application filed May 10, 1873.

To all whom it may concern:

Be it known that I, JACOB WEAVER, of Tipton, in the county of Cedar and State of Iowa, have invented a new and Improved Stove-Pipe Joint, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front elevation of my adjustable stove-pipe joint; Fig. 2, a top view of the same; and Fig. 3, a detail vertical section, on the line *c c* of Fig. 2, of the connecting-flanges of the joint.

Similar letters of reference indicate corresponding parts.

The object of my invention is to construct a revolving stove-pipe, which may be adjusted or twisted to any desired position to be used without delay on putting up the stove, avoiding thereby the annoyance arising from badly-fitting or incompletely-arranged joints. The invention will be first fully described and then clearly pointed out in the claim.

In the drawing, A represents the three tubular pieces forming the stove pipe or elbow. They are cut of a cylindrical tube, of suitable metal, by intersecting the same under a suitable angle to its axis. The upper and lower pieces A form the connection with the pipes to stove and chimney, and are provided along the elliptical periphery of the sections with outwardly-projecting flanges *a*, extending in the plane of the section. The middle piece A is similarly provided with flanges *b*, soldered or riveted to it. The flanges *a* and *b* are of

circular shape, and extend therefore farther from pieces A in the direction of the shorter axis of the elliptical periphery than in the direction of the longer axis of the same. The flanges *b* are slightly larger than flanges *a*, and have rectangular rims *d*, which embrace wholly flanges *a*. Flanges *b* are also provided with three or more projecting lugs, *e*, which are screwed, riveted, or otherwise connected to similar lugs *e'* of coupling-rings B, made of suitable material. These rings B are placed on the side of flange *a* not embraced by flange *b*, and form, in connection with it, a strong and simple coupling of the pieces A. By means of a set-screw and washer-plate, C, pieces A may be fixed into any position to which they are turned, producing thereby a cylindrical elbow or twisted shape of the joint. By placing a suitable packing between the ring B and the flanges, the joint may also be used for water and steam pipes, forming a very convenient universal joint for the same.

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

A stove-pipe connection composed of three sections, A A A, having elliptical joints, on which they are adjustable, in the manner and for the purpose described.

JACOB WEAVER.

Witnesses:

JOHN S. TUTHILL,
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