

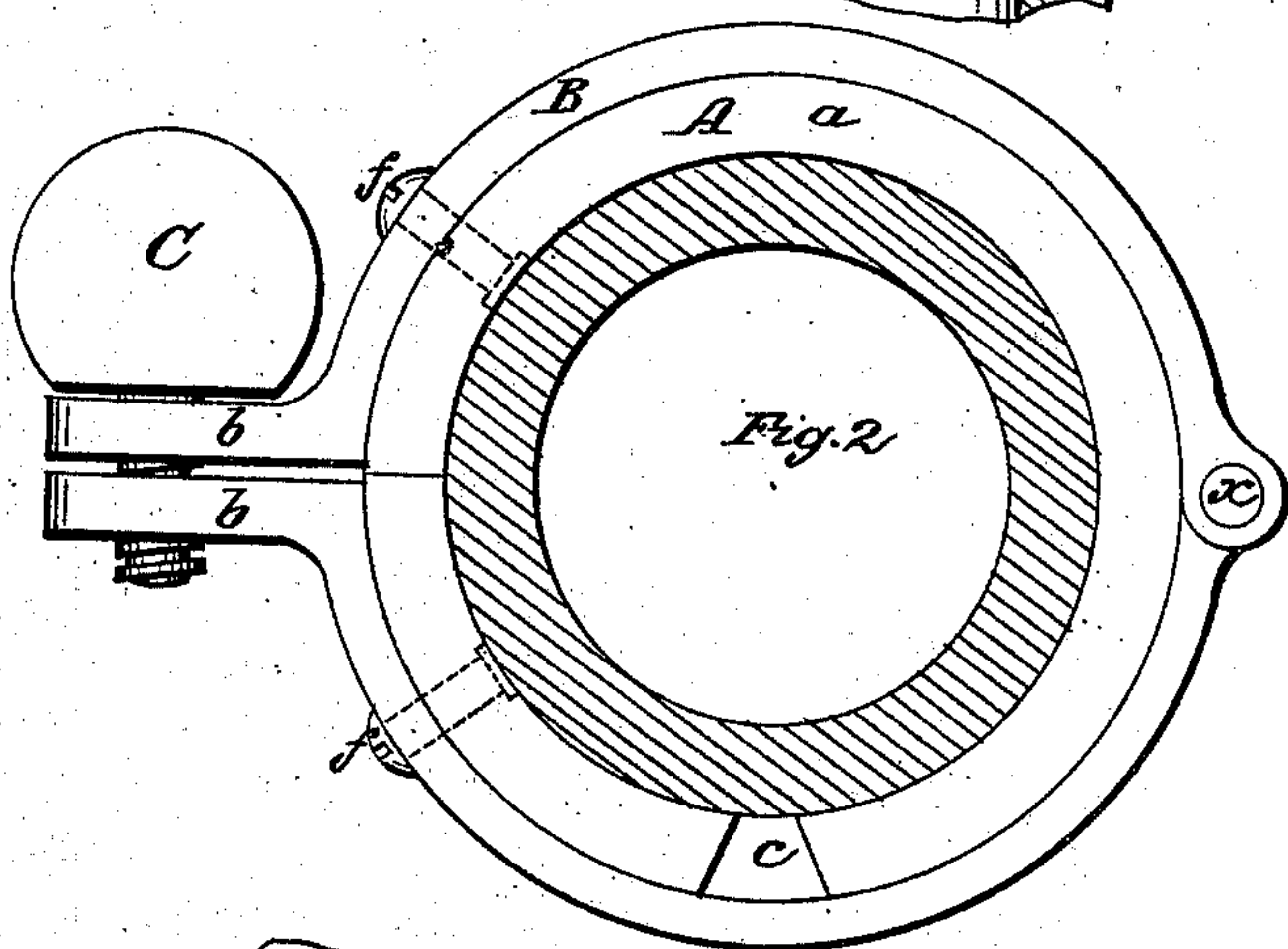
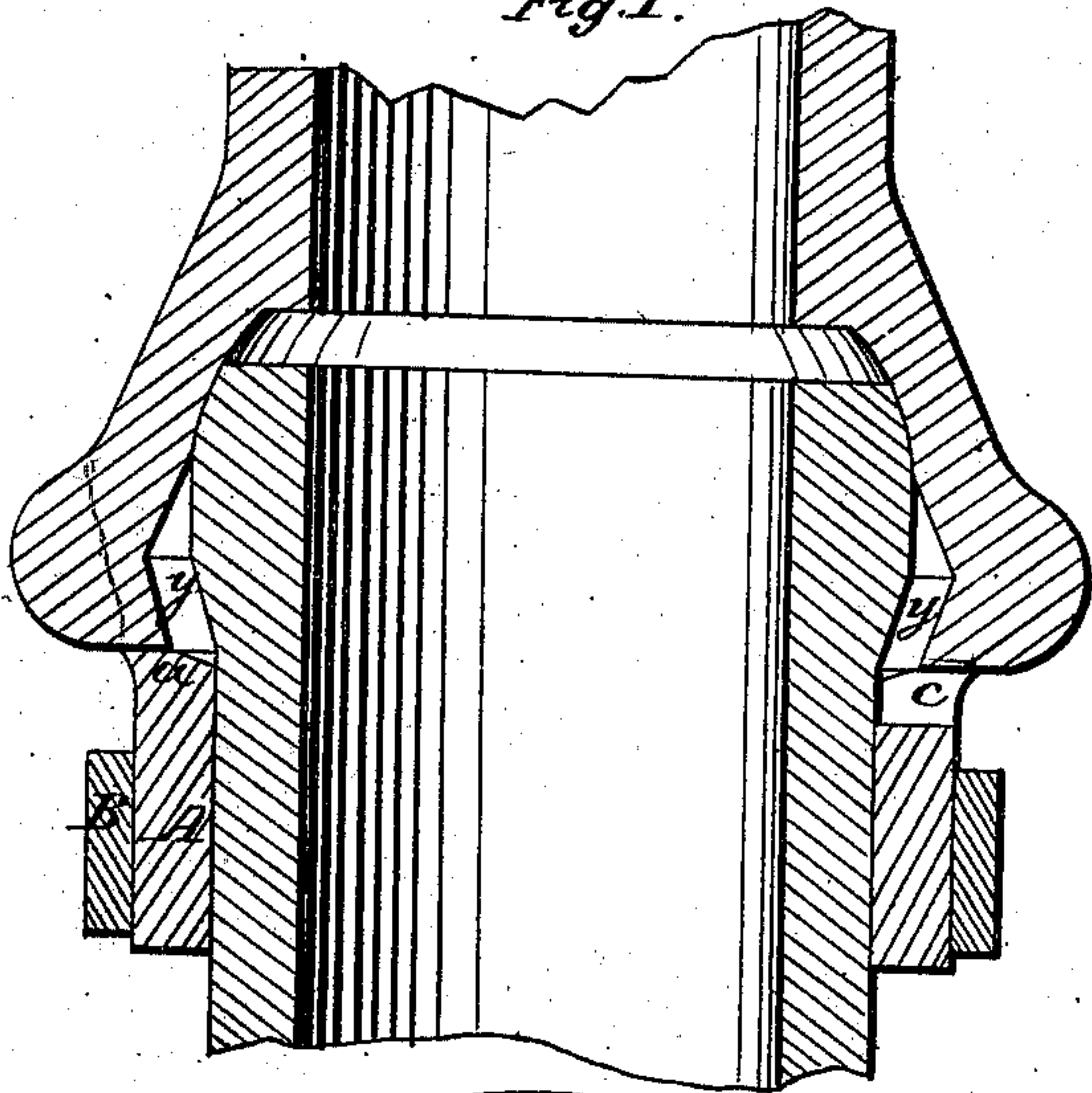
*E. Groyn.*

*Pipe-Joint Clamp.*

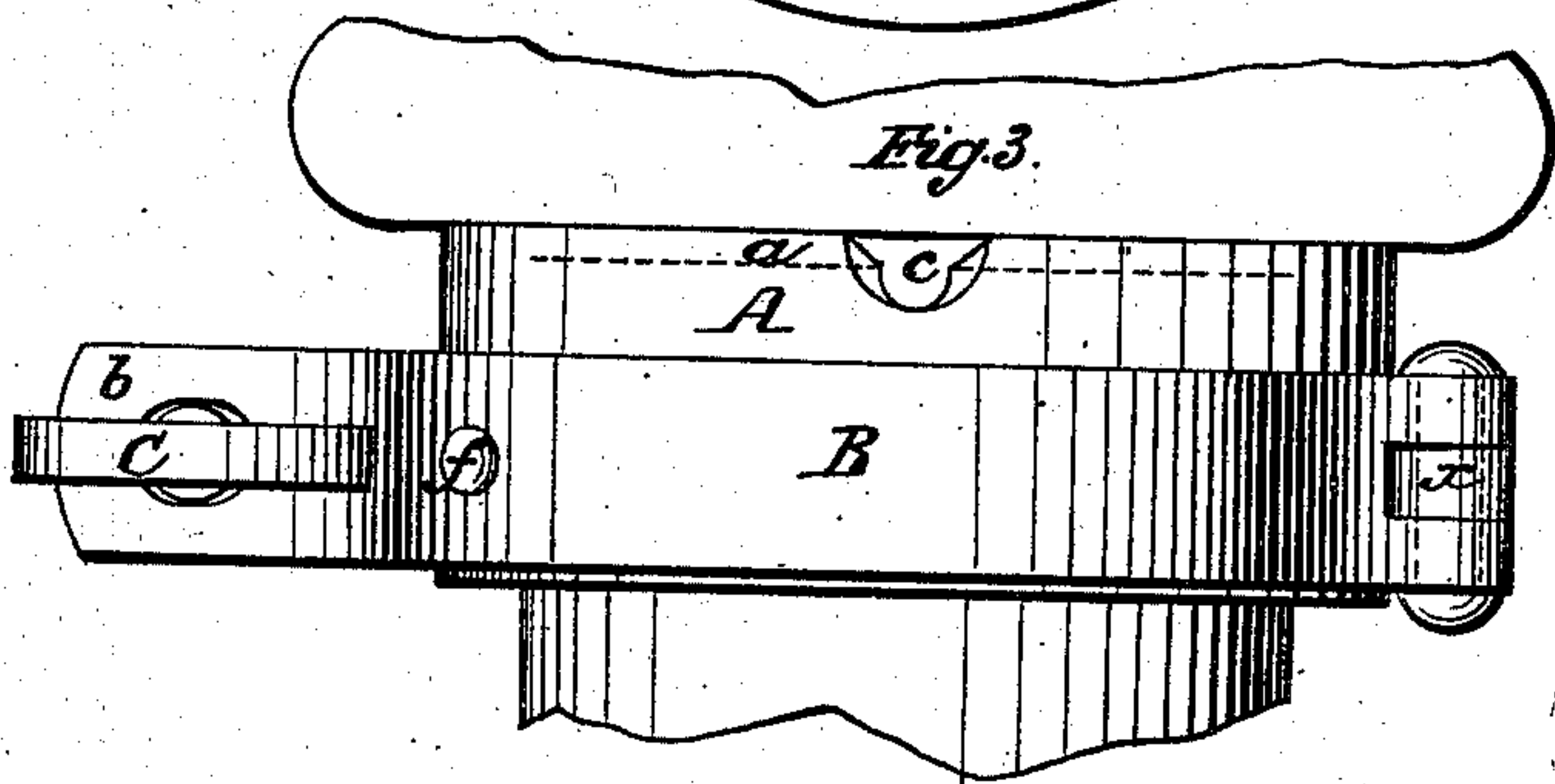
*N<sup>o</sup> 100,394.*

*Patented Mar. 1, 1870.*

*Fig. 1.*



*Fig. 3.*



*Witnesses.*  
*Fred. Haynes.*  
*McCombs.*

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*per Brown Combs & Co.*  
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# United States Patent Office.

EDWARD GWYN, OF TIFFIN, OHIO.

*Letters Patent No. 100,394, dated March 1, 1870.*

## IMPROVEMENT IN CLAMPED MOLDS FOR MAKING LEAD JOINTS IN PIPE-CONNECTIONS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, EDWARD GWYN, of Tiffin, in the county of Seneca, and State of Ohio, have invented a new and useful Clamp to be Used in Running Lead in Joints of Pipes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings which form part of this specification.

This invention is designed for use on the joints of pipes while the pipes are being laid.

Its object is to provide for the better and more convenient closing of the mouth of bell or the lead-cavity of the joint, while the melted lead is being poured therein; and

It consists in an elastic packing-ring carried within a hinged or jointed collar, whereby the same, in being clasped around the pipe and against the mouth or entrance of the cavity, may effect a better and more convenient closing of said cavity than is practicable with the ordinary clay roll heretofore used for that purpose.

Referring to the accompanying drawings—

Figure 1 represents a central section of a pipe-joint clamp constructed according to my invention, taken in a direction lengthwise of the pipe;

Figure 2 represents a face view of the same; and

Figure 3, a profile or side view thereof.

Similar letters of reference indicate corresponding parts in the several drawings.

A is an elastic packing-ring or circular pad, composed of India rubber or other suitable material, and

is secured by rivets *ff* to the inner surface of a jointed collar, B.

This collar or clasp B is constructed of iron or other metal, is hinged or jointed at *x*, so as to admit of being opened or closed, and has fitted, through cheeks *b b*, a thumb-screw, C, by which the hinged sections, when clasped around the pipe, are locked and tightened thereon preparatory to closing the joint, which is done in the usual way by the pouring in of molten lead, an annular cavity or pocket for its reception being left between the two sections of pipe, as shown in red outline at *y*.

This apparatus in its operation is adjusted upon the pipe at or about the point usually occupied by the clay roll heretofore used for the purpose, so that the face *a* of the elastic ring A will close or obstruct the opening of the lead cavity or annular pocket of the pipe-joint, said face *a* having a gate, *c*, for ingress of the molten lead, and being, also, beveled, if necessary, for effecting a better and closer joint between it and the end of the opposite section of pipe, and also to leave a portion of the lead projecting for calking.

What is here claimed, and desired to be secured by Letters Patent, is—

The combination of the elastic ring A and the jointed collar B, substantially as and for the purpose herein described.

EDWARD GWYN.

Witnesses·

G. I. KEEN,  
I. GWYNN.