

(No Model.)

C. A. THIES.
CAM FOR STAMP MILLS.

No. 336,447.

Patented Feb. 16, 1886.

Fig. 1.

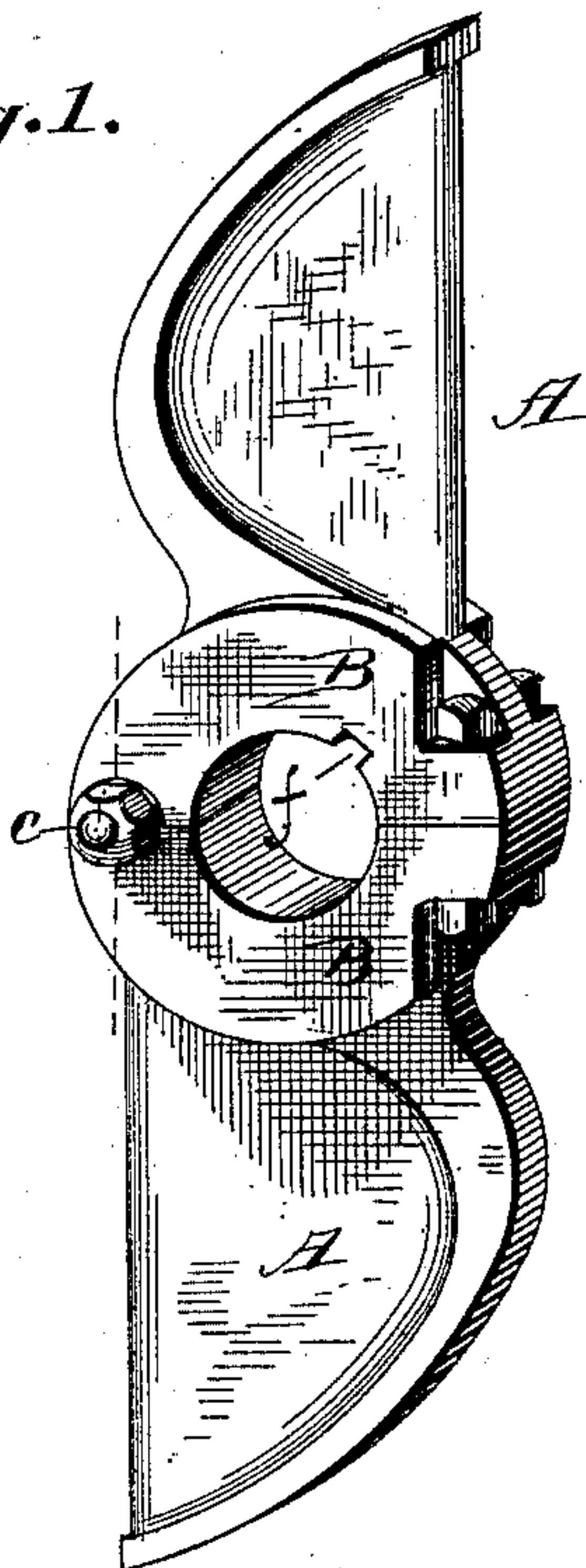


Fig. 2.

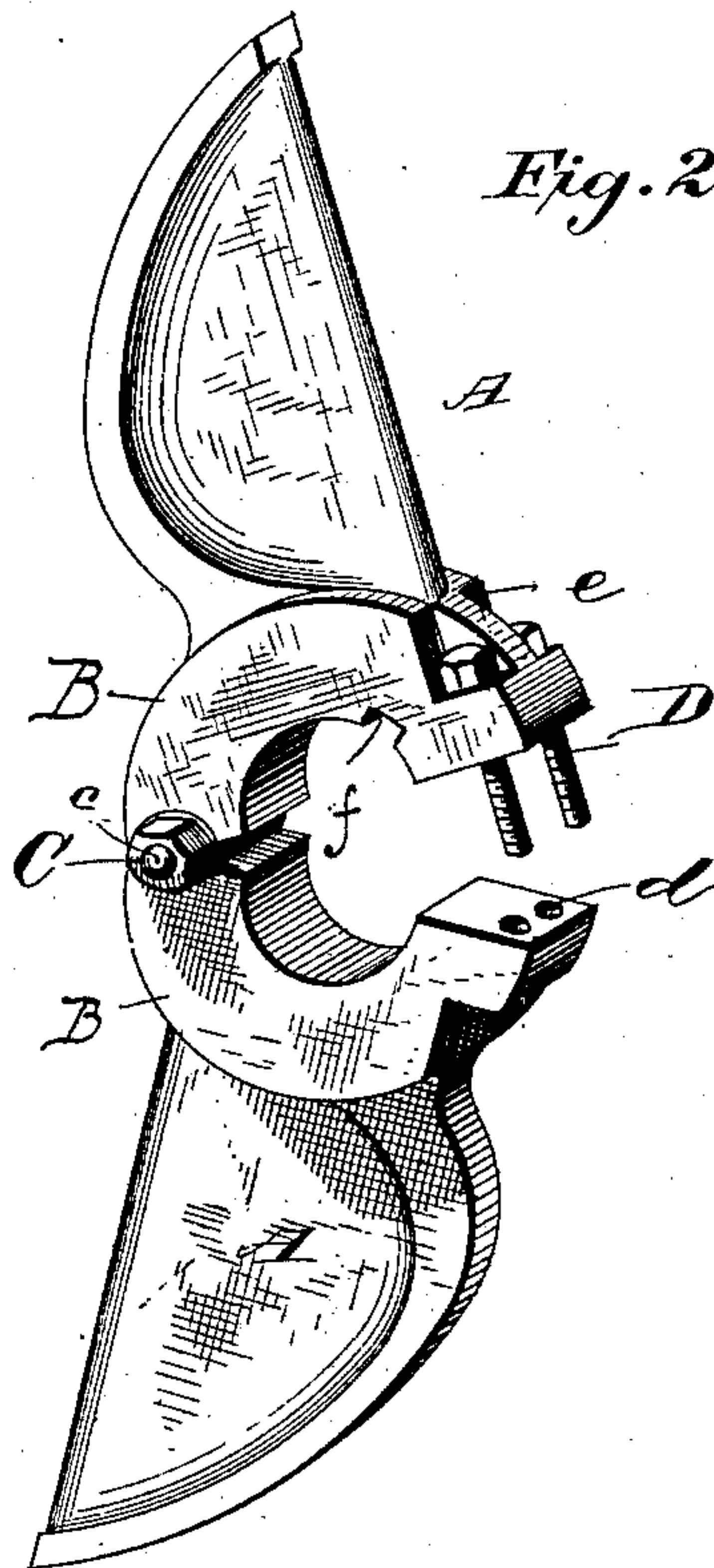
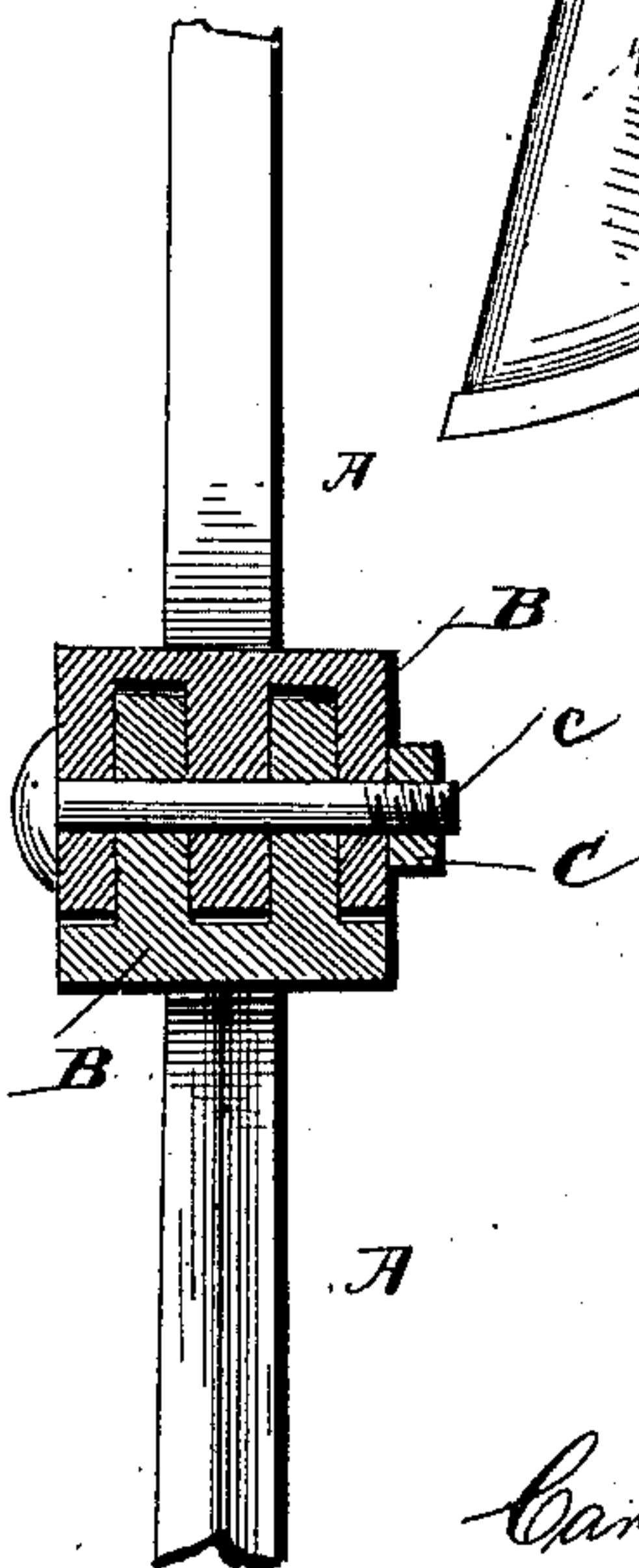


Fig. 3.



WITNESSES

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CARL ADOLF THIES, OF CONCORD, NORTH CAROLINA.

CAM FOR STAMP-MILLS.

SPECIFICATION forming part of Letters Patent No. 336,447, dated February 16, 1886.

Application filed September 17, 1885. Serial No. 177,362. (No model.)

To all whom it may concern:

Be it known that I, CARL ADOLF THIES, a citizen of the United States of America, residing at Concord, in the county of Cabarrus and State of North Carolina, have invented certain new and useful Improvements in Cams for Stamp-Mills; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to cams for stamp-mills; and it consists in the improvements hereinafter described and claimed.

In the accompanying drawings, which illustrate my invention, Figure 1 is a perspective view of a cam constructed in accordance with my invention, showing the parts of the cam secured to each other, and Fig. 2 is a perspective view of the same, showing the parts separated. Fig. 3 is a section on the dotted line of Fig. 1.

A represents the wings of the cam, which are formed integral with the hub-sections B, said hub-sections being provided with semi-circular recesses on their inner sides, which embrace the horizontal shaft of the stamp-mill. One of the hub-sections at one side is provided with upwardly-projecting portions, while the opposite hub-section has depending portions, which fit thereon so as to form a hinged joint, C, the pintle of said hinge being a bolt, *c*, which is of ordinary construction. The opposite side of one hub-section of the cam from the hinge-joint C is provided with perforations *d*, through which pass the securing-bolts D, the heads and nuts of these securing-bolts lying within recesses *e*, formed in the side of the other hub-section adjacent to the perforations *d*. The hub is of sufficient thickness or diameter to allow the same to be recessed, as at *f*, Figs. 1 and 2, for the reception of a key for attaching the same on the shaft, so that it cannot turn thereon.

The cam hereinbefore described is preferably made of cast iron or steel, and the wearing-face against which the projections on the stamps strike may be chilled, so as to provide said face with a hard and durable surface.

By the use of the cams hereinbefore described, when they are used in batteries, if one should become worn or injured it is not necessary to remove more than the injured cam. In the accompanying drawings I have shown them constructed in the form of what are known as "double cams;" but it is evident that a single cam can be constructed on the same principle.

I am aware that prior to my invention cams have been made in two parts, which are attached to each other to clamp upon a shaft, and I make no broad claim to such construction, as the hinged cam hereinbefore described possesses certain obvious advantages over the ordinary two-part cam, said hinge serving to keep the parts together before being applied to the shaft, and forming the fulcrum when the parts are being drawn together by the bolts; and with a cam constructed as described but a single person is needed to apply it to the shaft.

I claim—

A cam for the purpose set forth, having a hub made in two sections and adapted to embrace a shaft, said sections being permanently connected together at one side by a hinge-joint, C, and provided at the opposite side with parallel perforated portions, securing-bolts passing through said perforations, a recess, *f*, in one of said sections, and cam-wings A, formed integral with said sections, substantially as set forth.

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

CARL ADOLF THIES.

Witnesses:

W. M. SMITH,
JAS. C. GIBSON.