

(No Model.)

P. H. CONNOR.
LOOM PICKER.

No. 405,947.

Patented June 25, 1889.

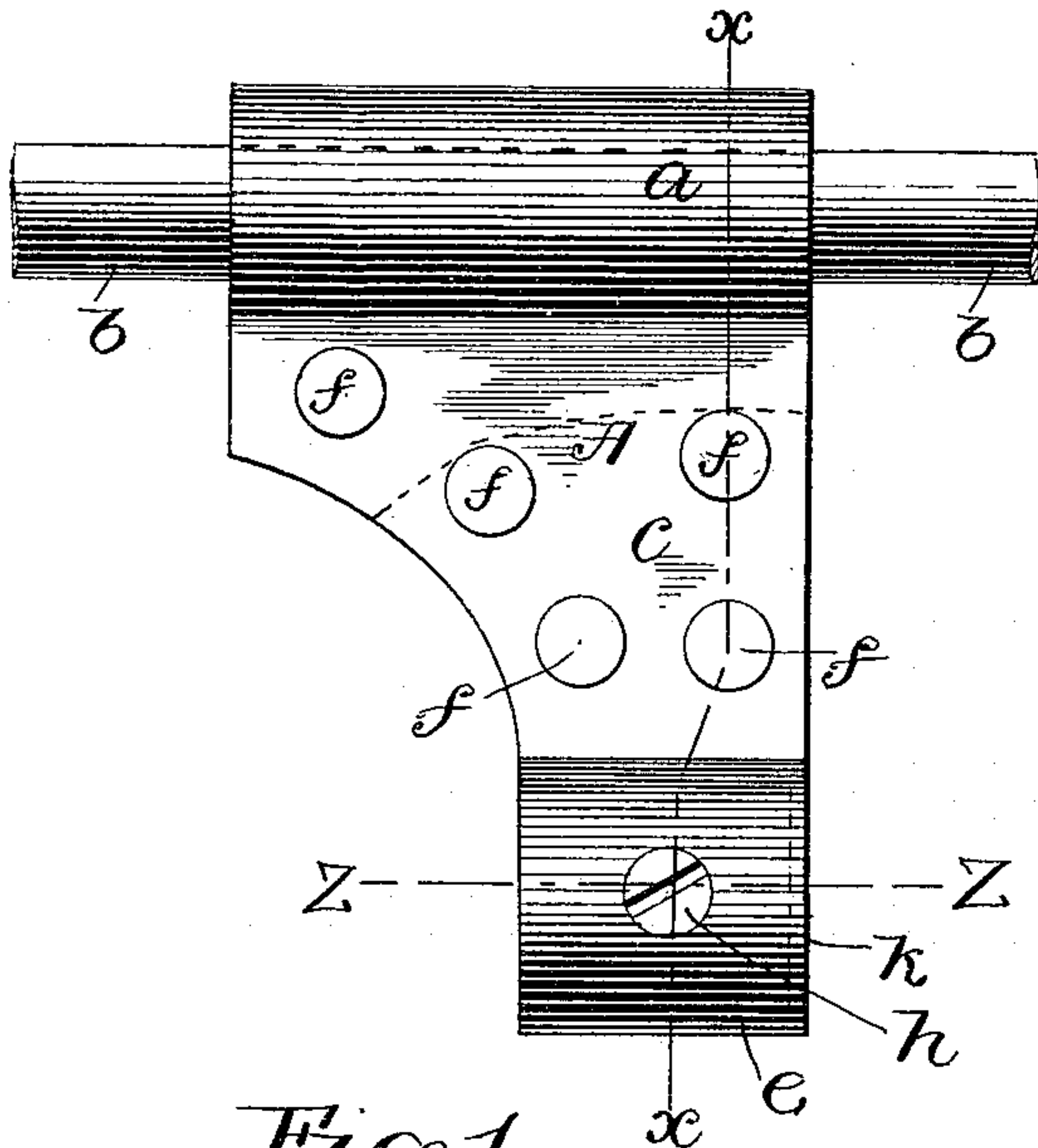


Fig. 1.

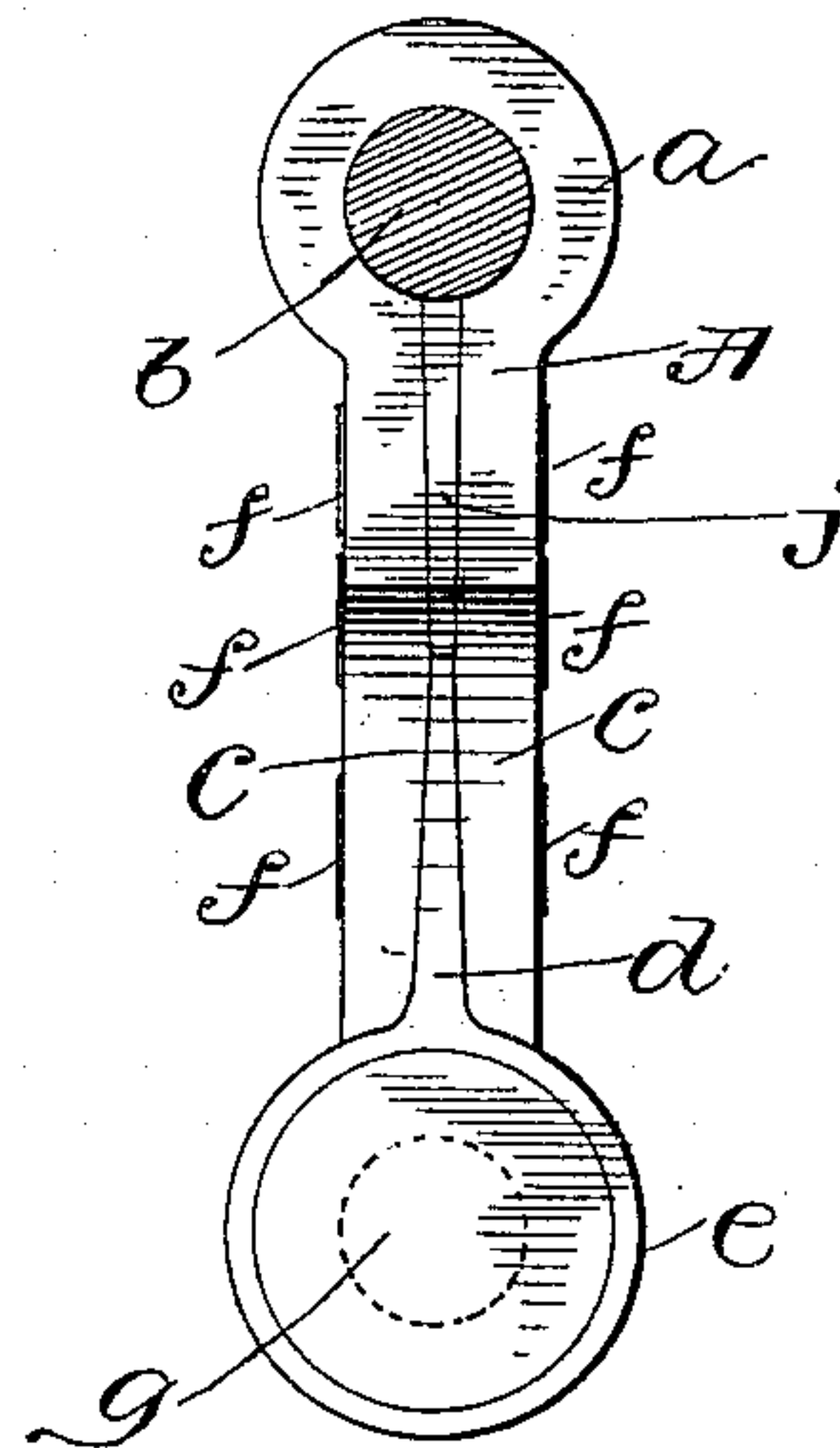


Fig. 2.

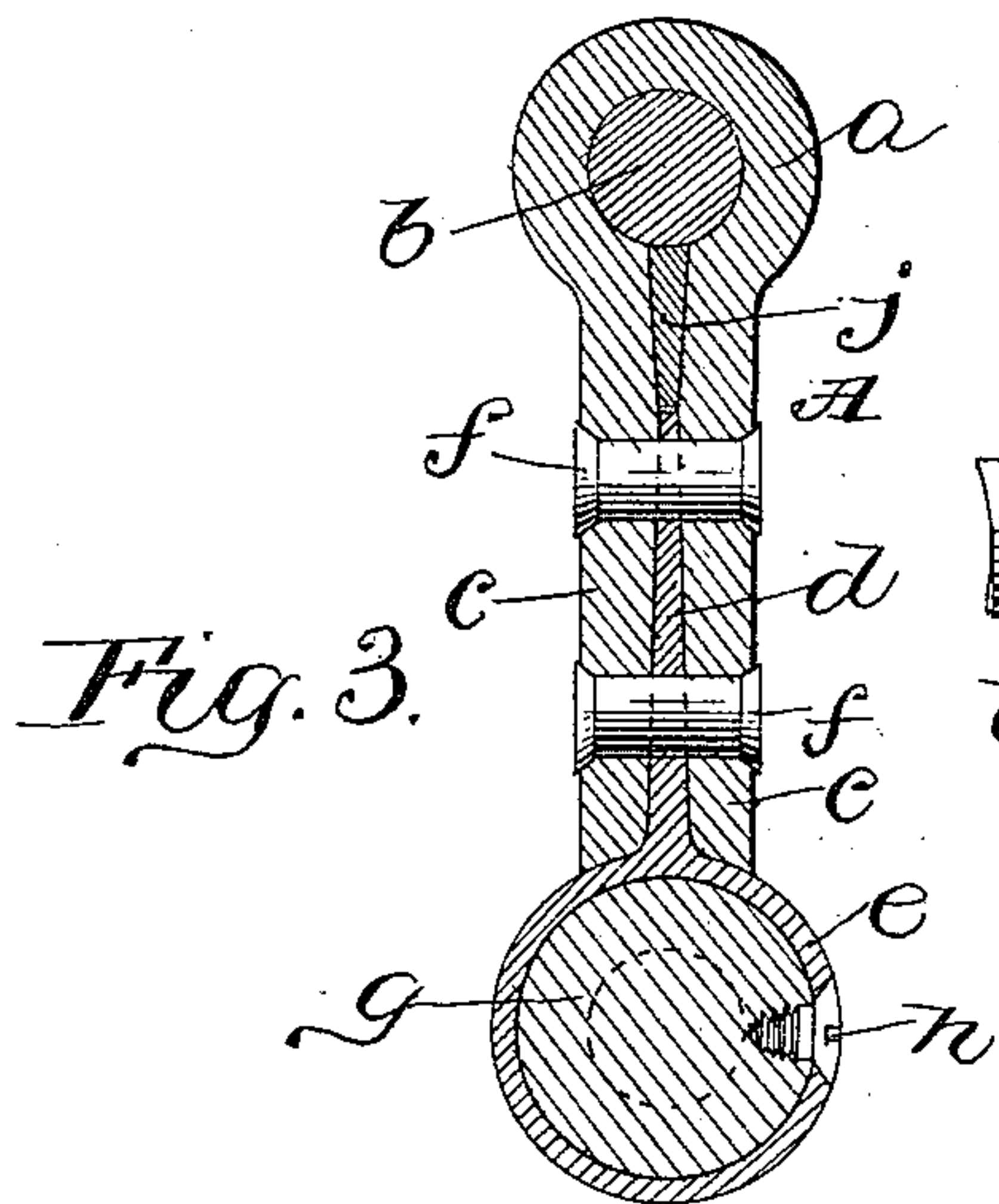


Fig. 3.

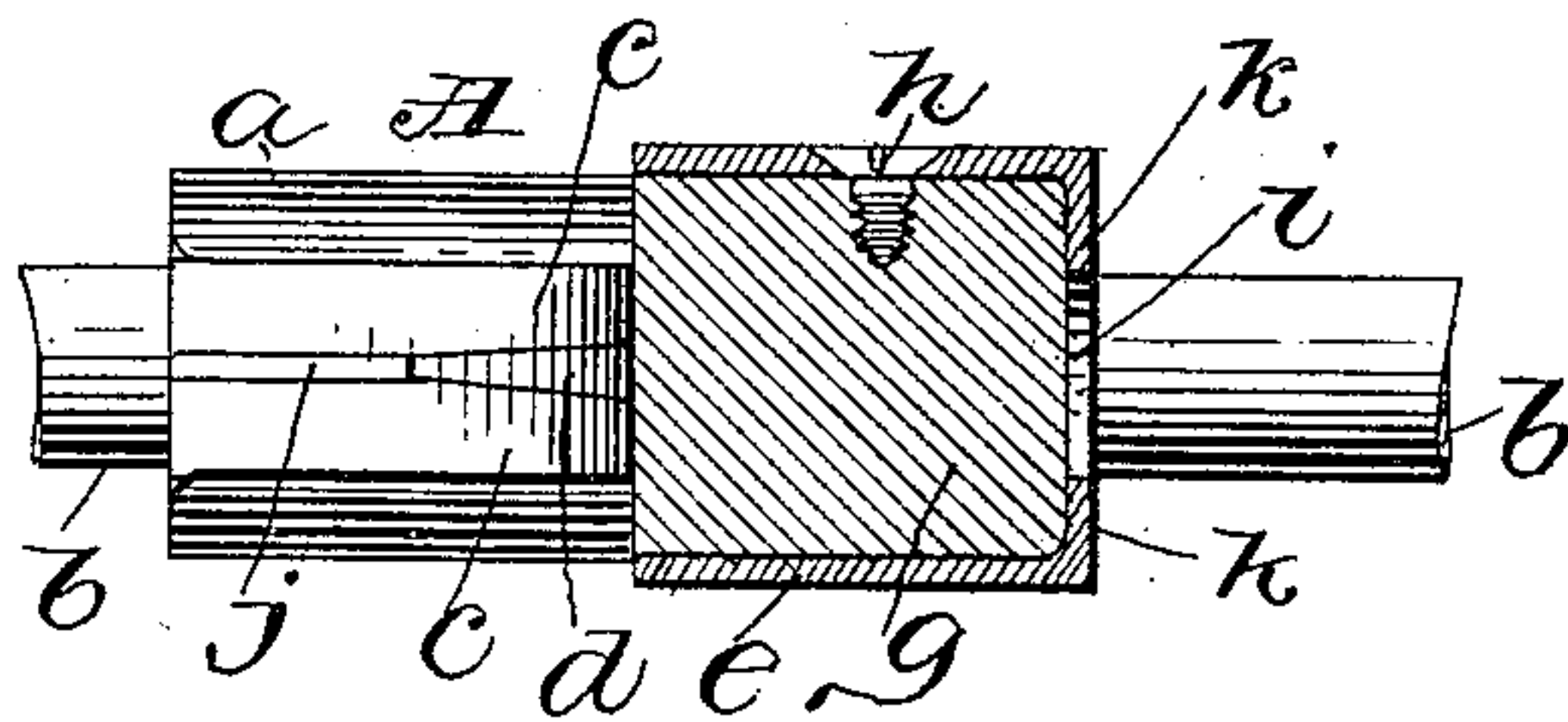


Fig. 4.

Witnesses
Thos W. Hobday.
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UNITED STATES PATENT OFFICE.

PATRICK H. CONNOR, OF AMESBURY, MASSACHUSETTS.

LOOM-PICKER.

SPECIFICATION forming part of Letters Patent No. 405,947, dated June 25, 1889.

Application filed August 24, 1888. Serial No. 283,618. (No model.)

To all whom it may concern:

Be it known that I, PATRICK H. CONNOR, of Amesbury, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Loom-Pickers, which will, in connection with the accompanying drawings, be hereinafter fully described, and specifically defined in the appended claim.

In said drawings, Figure 1 is a view of a loom-picker embodying my invention. Fig. 2 is an edge elevation taken as viewed from the left in Fig. 1. Fig. 3 is a section taken on line X X, Fig. 1, and Fig. 4 is a section on line Z Z, Fig. 1.

This invention relates to the driver that is actuated by the picker-staff of looms, and which imparts the momentum thus acquired to the shuttle, thereby causing it to move in its race, said driver being termed a "picker;" and the improvement consists in features of novelty that will be herein described, and pointed out in the claim.

Referring to said drawings, A is the body of the picker, which may be formed of leather, green hide, or other moldable material of requisite strength and durability. Said body is formed by molding with tubular portion *a*, that receives the guide-rod *b* and the cheeks *c c*. A metal socket *e*, formed with a radial fin *d*, is secured to body A by rivets *f*, that pass through both thicknesses of said body, and also through said fin, and secure the respective parts together. Said socket is formed with a bottom or base *k*, in which is an axial hole *i*, and a cylinder *g*, of wood or other suitable material, is forced closely into said socket, and is therein secured by a short screw *h*, if requisite.

A thin filling-piece *j* may for convenience of construction be inserted between cheeks *c*, to fill out the cavity left above the thin end of fin *d*.

By thus forming my picker with body A, of leather or other suitable or analogous material, somewhat elastic and yielding, I avoid all objectionable rigidity, and by means of the socket *e*, of metal, formed with a broad

thin fin and filled with wood or other non-metallic material of proper resistance and tenacity, the socket and filling are not only held by the body in proper relation to the other parts, but the filling, when worn past usefulness, may be easily displaced from the socket by means of a drift-bolt inserted in hole *i* and new filling be substituted therefor.

It will be obvious that the socket *e* may be filled with layers of leather, green hide, or any of the numerous vulcanized or otherwise hardened fibrous or pulp-like productions, instead of wood; but the latter is inexpensive and durable.

I am aware of the patent issued January 28, 1873, to W. Taylor for pickers for looms, and I claim nothing that is shown or described therein, my invention being unlike that shown in said Letters Patent in the following respects: The tubes *a e* of my picker are each formed of a single thickness and each of one material, the tube *a* being formed of green hide or other non-metallic material and integral with cheeks *c*, while tube *e* is formed of metal and integral with fin *d*, said tube and fin being an integral casting and the tube being formed with the perforated end *k*, that serves as the abutment for the filling *g*. In Taylor's patent the tubes are not only laminated, but the metallic re-enforce is of very thin sheet metal, and is doubled where it constitutes a part of the "shank" of the picker.

I claim as my invention—

A loom-picker having tube *e*, fin *d*, and the perforated end *k*, formed of metal as an integral casting, the tube *a* and cheeks *c*, formed from one piece of green hide or other suitable non-metallic material, said cheeks terminating at the junction of fin *d* and tube *e* and secured to said fin by rivets, and a suitable packing *g*, inserted in tube *e* and abutted against end *k*, all substantially as specified.

PATRICK H. CONNOR.

Witnesses:

GEORGE B. HICKEN,
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