

No. 737,893.

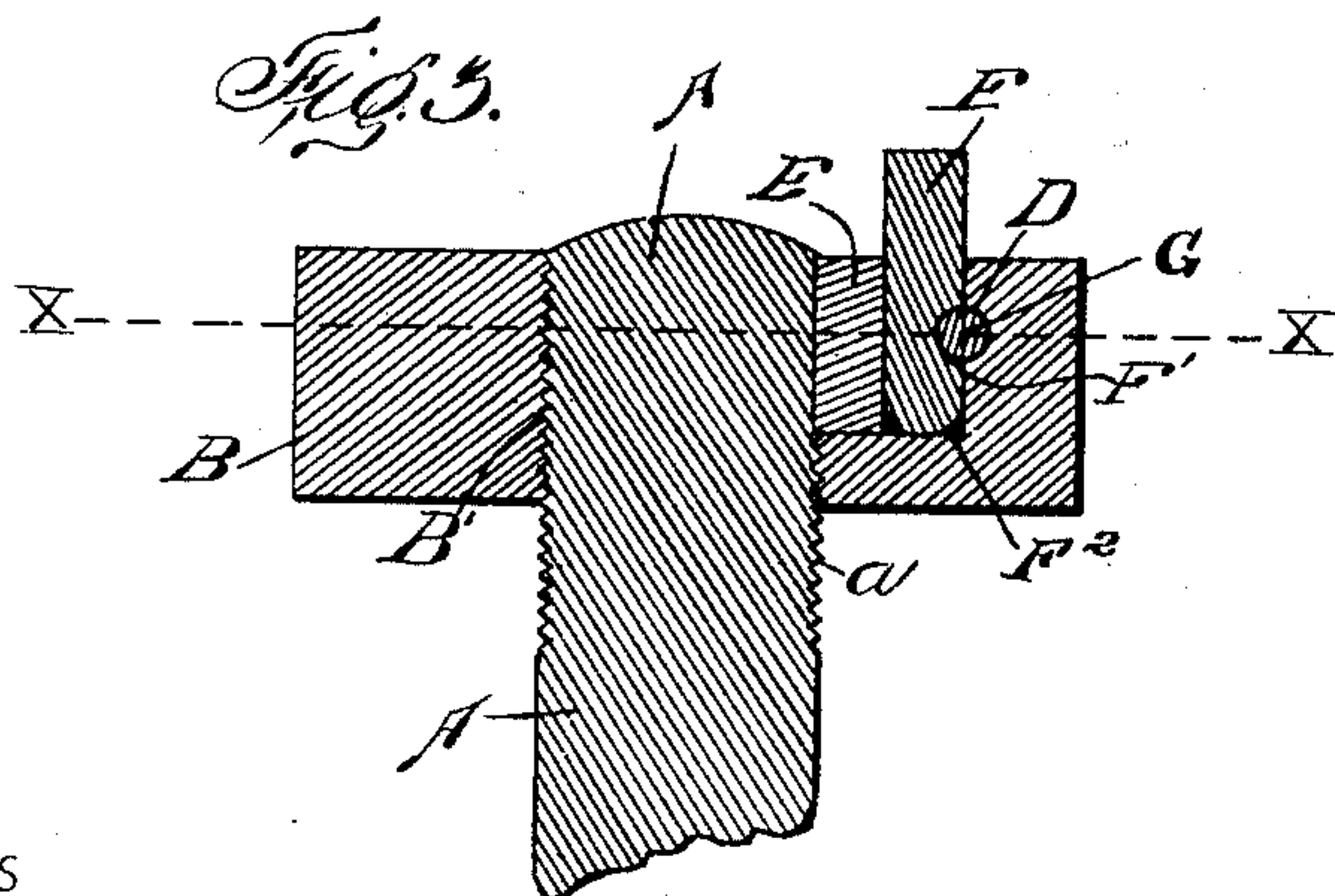
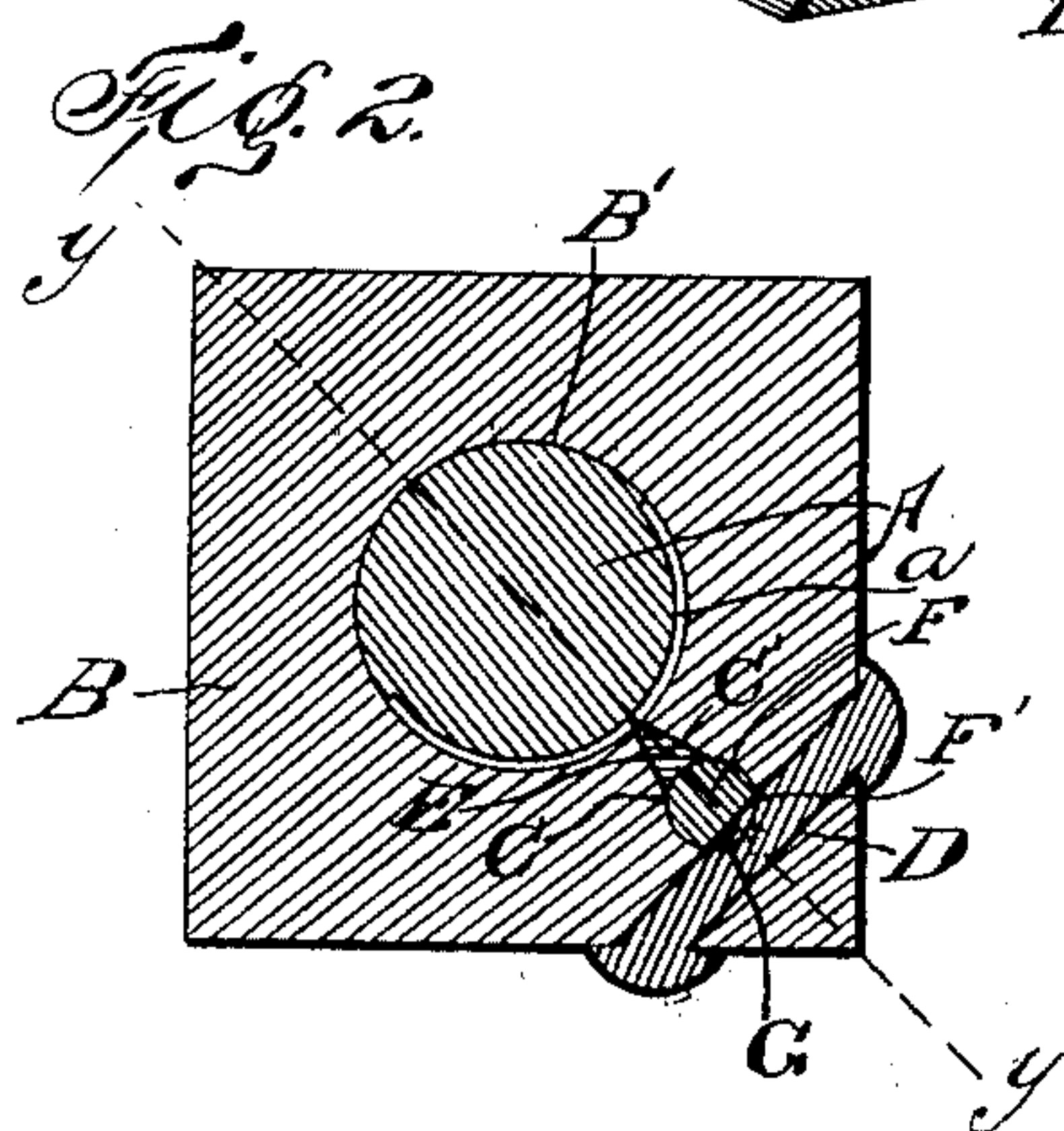
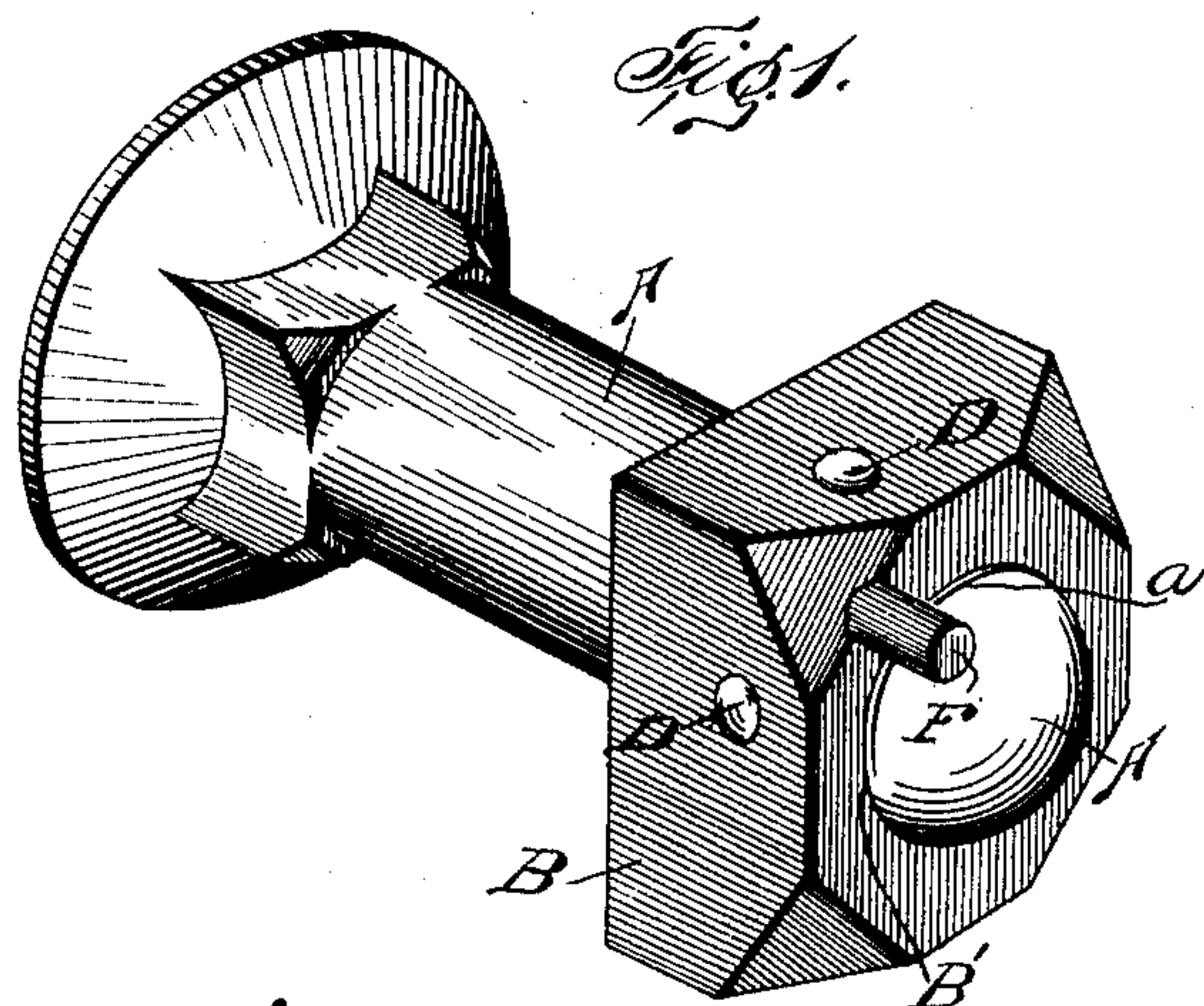
PATENTED SEPT. 1, 1903.

N. D. ASDELL.

NUT LOCK.

APPLICATION FILED JUNE 13, 1903.

NO MODEL.



WITNESSES

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NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 737,893, dated September 1, 1903.

Application filed June 13, 1903. Serial No. 161,292. (No model.)

To all whom it may concern:

Be it known that I, NELSON DEAN ASDELL, a citizen of the United States, residing at Lakeview, in the county of Lake and State of Oregon, have invented certain new and useful Improvements in Nut-Locks, of which the following is a specification.

My invention relates to nut-locks, and has for its object to provide new and improved means for securely locking a nut to a bolt at any desired point thereon.

It consists of novel and improved means, employing a wedge seated in the nut and adapted for engagement with the bolt-thread, a key whereby the wedge is forced into locking position, special means for securing the key, and a nut of peculiar construction, all as will hereinafter be fully described and the novel features pointed out in the subjoined claims.

In order to enable others to make and use my invention, I will now proceed to describe it in detail, with reference to the accompanying drawings, which form a part of this specification.

In the drawings, Figure 1 is a perspective view illustrating my invention. Fig. 2 is a horizontal sectional view taken on line xx of Fig. 3, and Fig. 3 is a vertical sectional view taken on line yy of Fig. 2.

In the drawings, in which like letters of reference denote like parts, A designates a bolt, and a screw-threads thereon.

In practicing my invention I employ a nut B of any desired form. Within the nut and near its threaded bolt-hole B', I form a recess C, having a wedge-shaped extension C', providing open communication with the bolt-hole B', as shown. It will be noticed that the recess C extends part way only through the nut from its face or outer side and that the recess with its wedge-shaped extension is disposed parallel with the threaded bolt-hole in the nut. D designates an opening passing transversely through from one to the next adjoining side of the nut and with its passage-way opening into the recess C. In the extension C' of the recess C, I arrange a wedge E, adapt-

ed to be forced into engagement with the screw-threads on the bolt A by driving a suitable key F', having a rounded lower end F², (see Fig. 3,) into the recess C. The lower end of the key F is cut away, as at F', adapted when the key is driven home to be engaged by a rivet or bolt G, arranged in the opening D. The bolt G should be secured in place by swaging down its unheaded end, as shown, or by other suitable means.

The construction and use of my invention will be understood from the above description in connection with the several views of illustration in my drawings.

Obviously when it becomes necessary to remove the nut the swaged or headed end of the bolt must be removed, which can be quickly accomplished with a chisel and hammer. The projecting end of the key facilitates its removal by means of a pair of pliers, and the locking-wedge be forced back out of engagement with screw-threads on the bolt with a punch, nail, or other suitable device.

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

1. In a nut-lock, and in combination with the bolt and its nut, means whereby the nut is secured against turning action, the said securing means consisting of a wedge seated in the nut, a key adapted to be driven into a recess in the nut, adjoining the wedge-seat, and operating to force the wedge into locking engagement with the bolt, and a transverse opening through the nut adapted to receive a suitable bolt with the latter having locking engagement with the said key, substantially as described.

2. A nut-lock comprising, a nut, a bolt, and means whereby the nut is locked against turning on the bolt, the said locking means consisting of a recess in the nut having a side extension opening into bolt-hole of the nut, a wedge arranged in the said side extension, a key in the said recess operating upon being driven home, to force the said wedge into locking engagement with the said bolt, a transverse opening through the nut, adapted, to re-

ceive a bolt which, when in place, has locking engagement with a suitable side recess in the said key, substantially as described.

5 3. In a nut-lock employing a bolt, a nut, and a locking-wedge in the nut, in combination therewith, a key arranged in the nut and operating upon being driven home to force the said wedge into locking engagement, and a

transversely-arranged bolt, in the nut, having locking engagement with the said key, substantially as described. 10

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Witnesses:

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