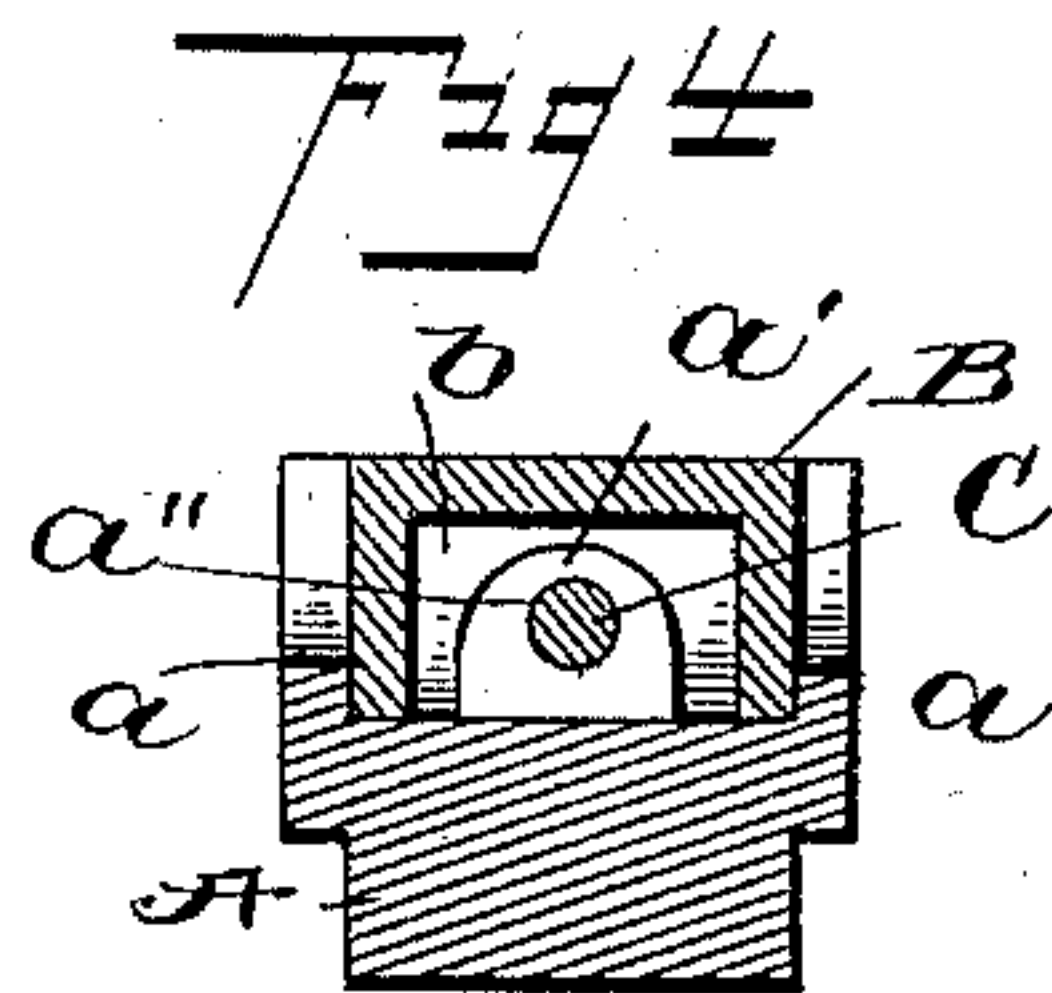
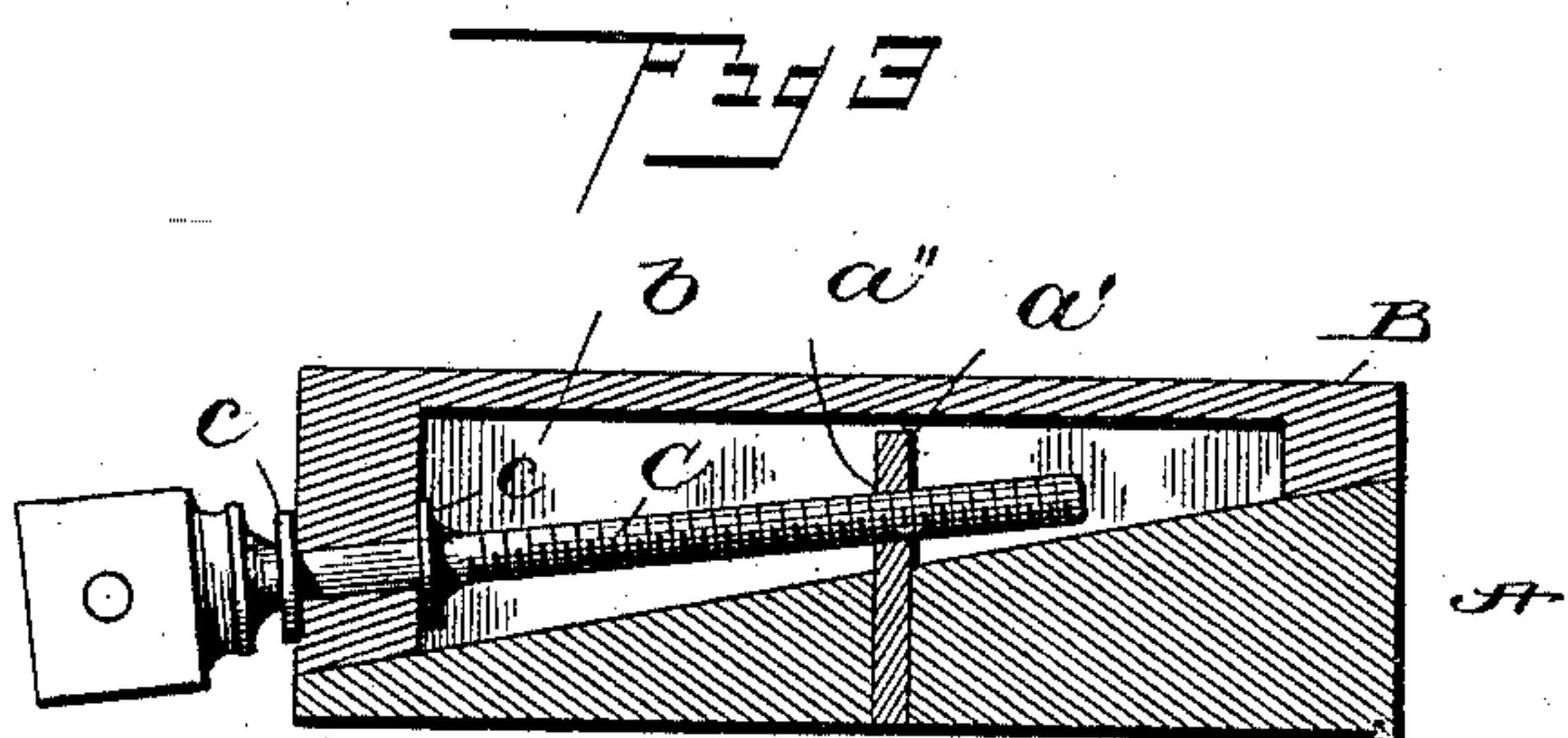
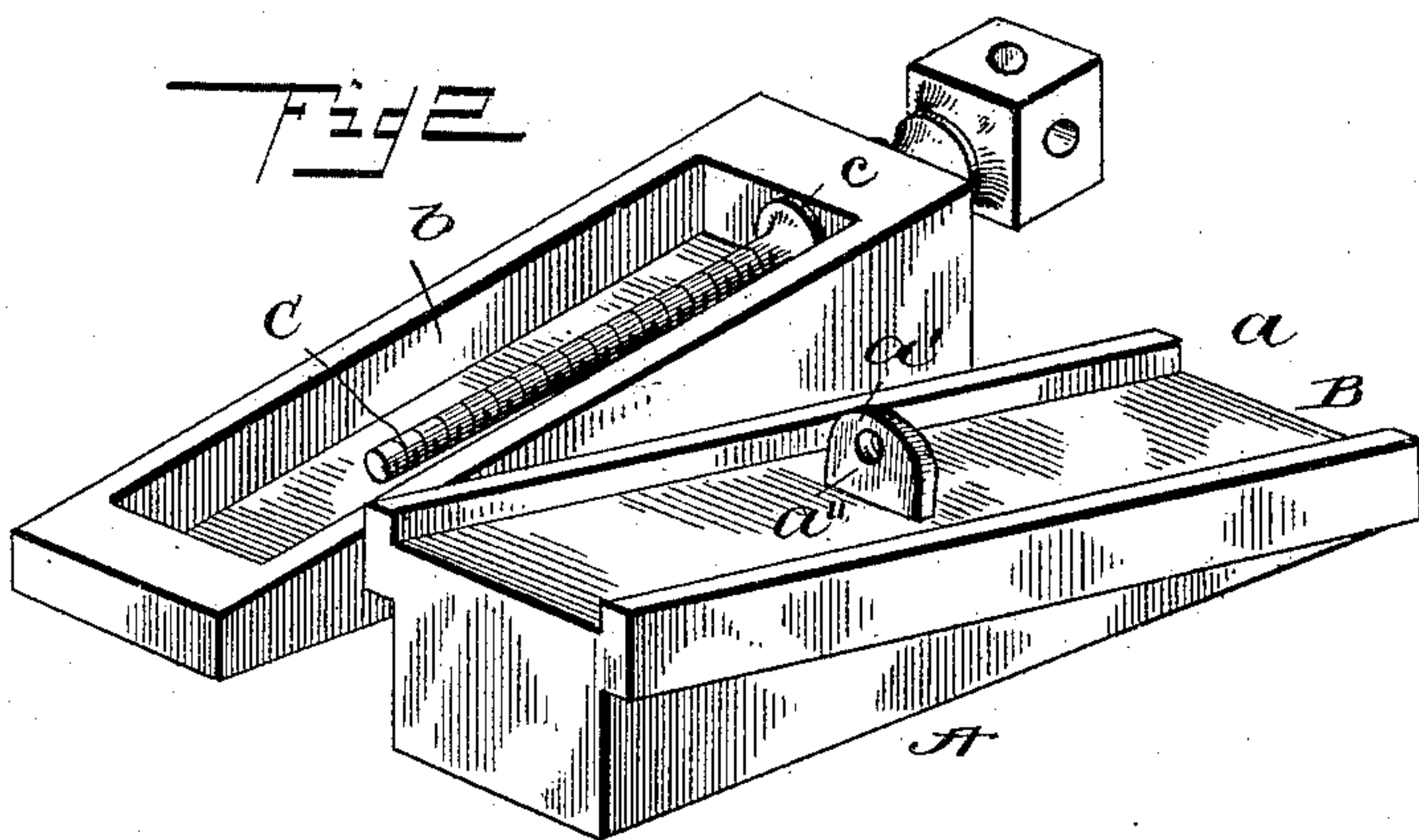
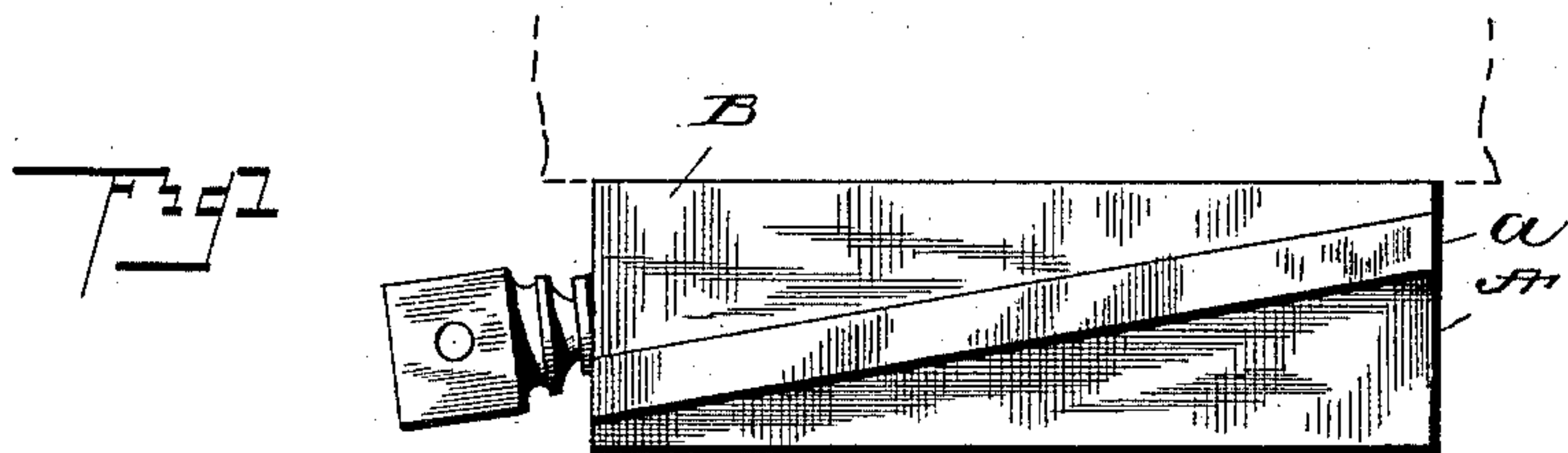


(No Model.)

W. H. CARR.
KEEL BLOCK.

No. 464,921.

Patented Dec. 8, 1891.



Witnesses

John D. Smith
Chas. J. Little,

Inventor

Warren H. Carr,
By his Attorney,
J. R. Little,

UNITED STATES PATENT OFFICE.

WARREN H. CARR, OF BATH, MAINE, ASSIGNOR OF ONE-HALF TO JAMES D. ROBINSON, OF SAME PLACE.

KEEL-BLOCK.

SPECIFICATION forming part of Letters Patent No. 464,921, dated December 8, 1891.

Application filed July 8, 1891. Serial No. 398,780. (No model.)

To all whom it may concern:

Be it known that I, WARREN HENRY CARR, a citizen of the United States, residing at Bath, in the county of Sagadahoc and State of Maine, have invented certain new and useful Improvements in Keel-Blocks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved keel-block for launching vessels and raising or lowering heavy articles, and has for its object to provide a block that can be safely and quickly operated to raise or lower one end of a vessel or raise or lower heavy machinery, houses, &c., and also one that can be used repeatedly.

My invention consists in the peculiar construction of the several parts and their novel combinations or arrangements, all of which will be more fully described, whereby the various objects are accomplished.

In the drawings forming a part of this specification, Figure 1 is a side view of my improved block as applied and used. Fig. 2 is a detail perspective view of the parts detached. Fig. 3 is a longitudinal section of my improved device, and Fig. 4 is a transverse section of the same.

In carrying out my invention I employ a wedge-shaped base-block A, having flanges *a*, projecting upwardly from the side edges of the said block, and near the upper end of the block midway between the flanges is produced a lug or projection *a'*, arranged at right angles to the upper face of the block, said lug or projection having a threaded aperture *a''* produced therein parallel with the face of the block. A second block B, wedge-shaped, slides upon the block A, having its contacting-face recessed, as at *b*, to slide over the lug *a*. In the recess *b* is arranged a screw-shaft C, one end of said shaft engaging the threaded aperture *a''*, the opposite end of the shaft passing through the broad end of the block B and is provided with collars *c c*, which prevent the shaft moving longitudinally independent of the block B. The shaft is adapted

to be rotated and by its engagement with the threaded apertured lug causes the block B to slide upon the block A, and hence raise the level of the former block. The projecting end of the shaft is preferably provided with an angular end, which is adapted to receive a wrench, whereby the shaft may be rotated, or said shaft may have an apertured end in which a lever may be inserted to turn the shaft.

Having thus fully described my invention, what I claim is—

1. The combination, with a stationary wedge-shaped base-block, of a movable wedge-shaped block mounted thereon in reverse position, and means for adjusting said movable block longitudinally, substantially as set forth.

2. The combination, with a stationary wedge-shaped base-block, of a longitudinally-adjustable wedge-shaped block mounted thereon in reverse position, and a screw carried by one of said blocks and working in a threaded aperture in a lug provided upon the other block, substantially as set forth.

3. The combination, with a wedge-shaped base-block provided upon its top surface with an upwardly-projecting lug having a screw-threaded aperture, of a longitudinally-adjustable block sliding on the base-block and provided with a longitudinal recess in its opposing face, and a screw carried by said adjustable block and working in the recess, said screw engaging the aperture in the lug, substantially as set forth.

4. The combination, with a wedge-shaped base-block provided with longitudinal upwardly-projecting flanges at its side edges, of a longitudinally-sliding block mounted on the base-block and guided thereon by said flanges, and means for effecting the adjustment of said sliding block, substantially as set forth.

5. The combination, with a wedge-shaped base-block provided with guides at its side edges and with a transversely-disposed lug projecting upwardly from the top surface thereof and having a screw-threaded aperture therein, of a longitudinally-adjustable wedge-shaped block mounted upon the base-

block and in reverse position, said adjustable
block being recessed at its under side, and
an adjusting-screw journaled in one end of
the adjustable block and provided with re-
5 taining-collars, said screw working in the
threaded aperture of the lug, substantially as
set forth.

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

WARREN H. CARR.

Witnesses:

WILLIAM CRAIG,
CHARLES A. HOOKER.