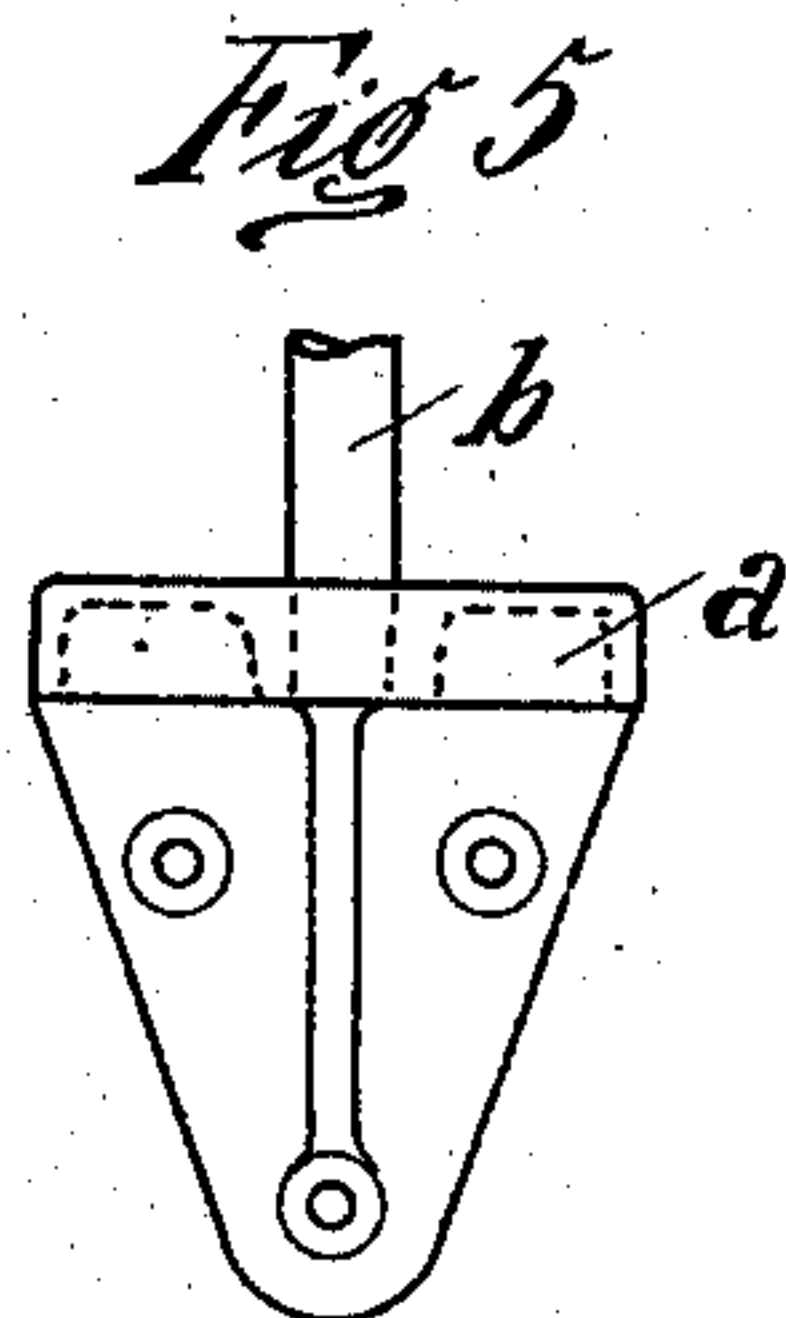
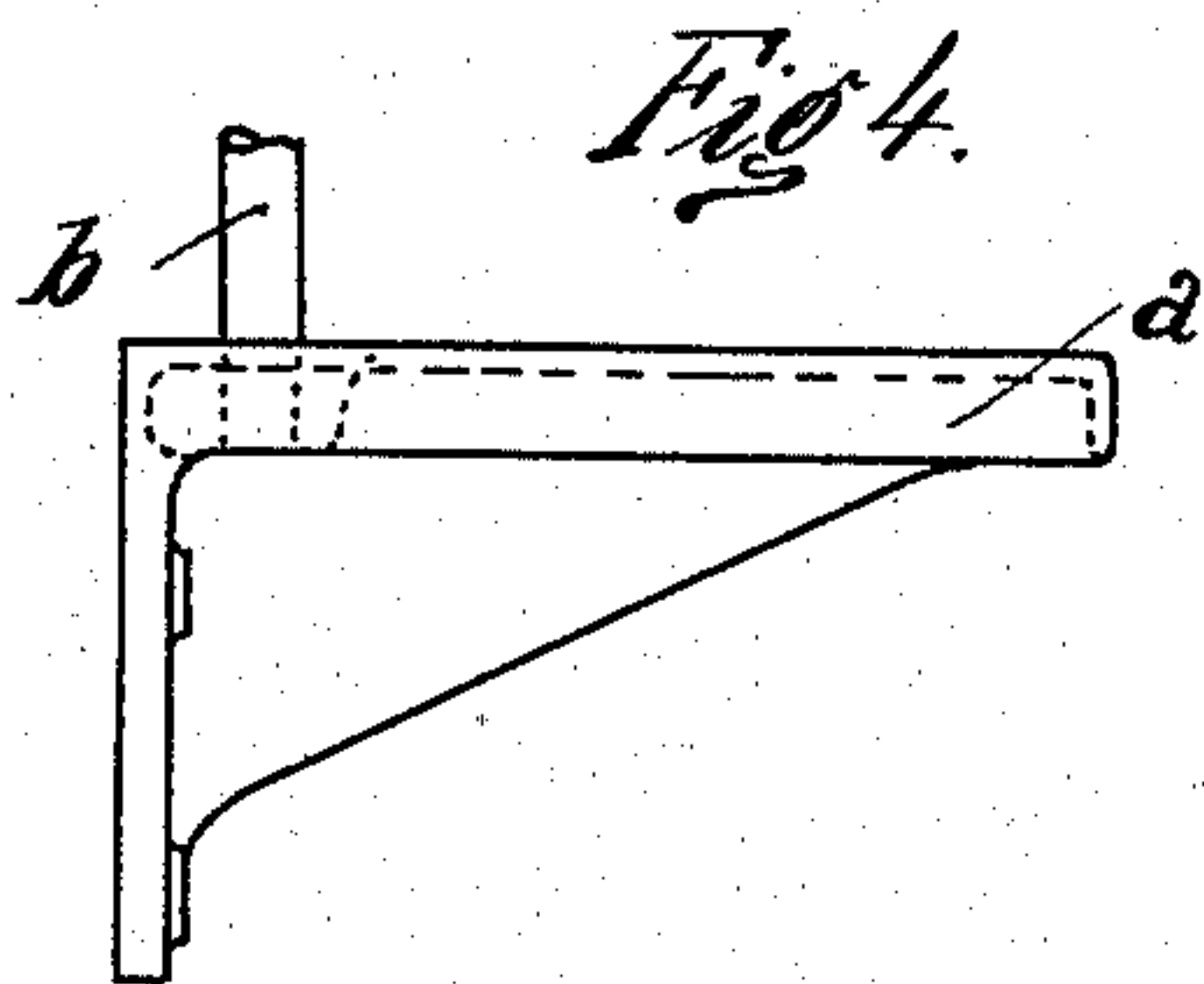
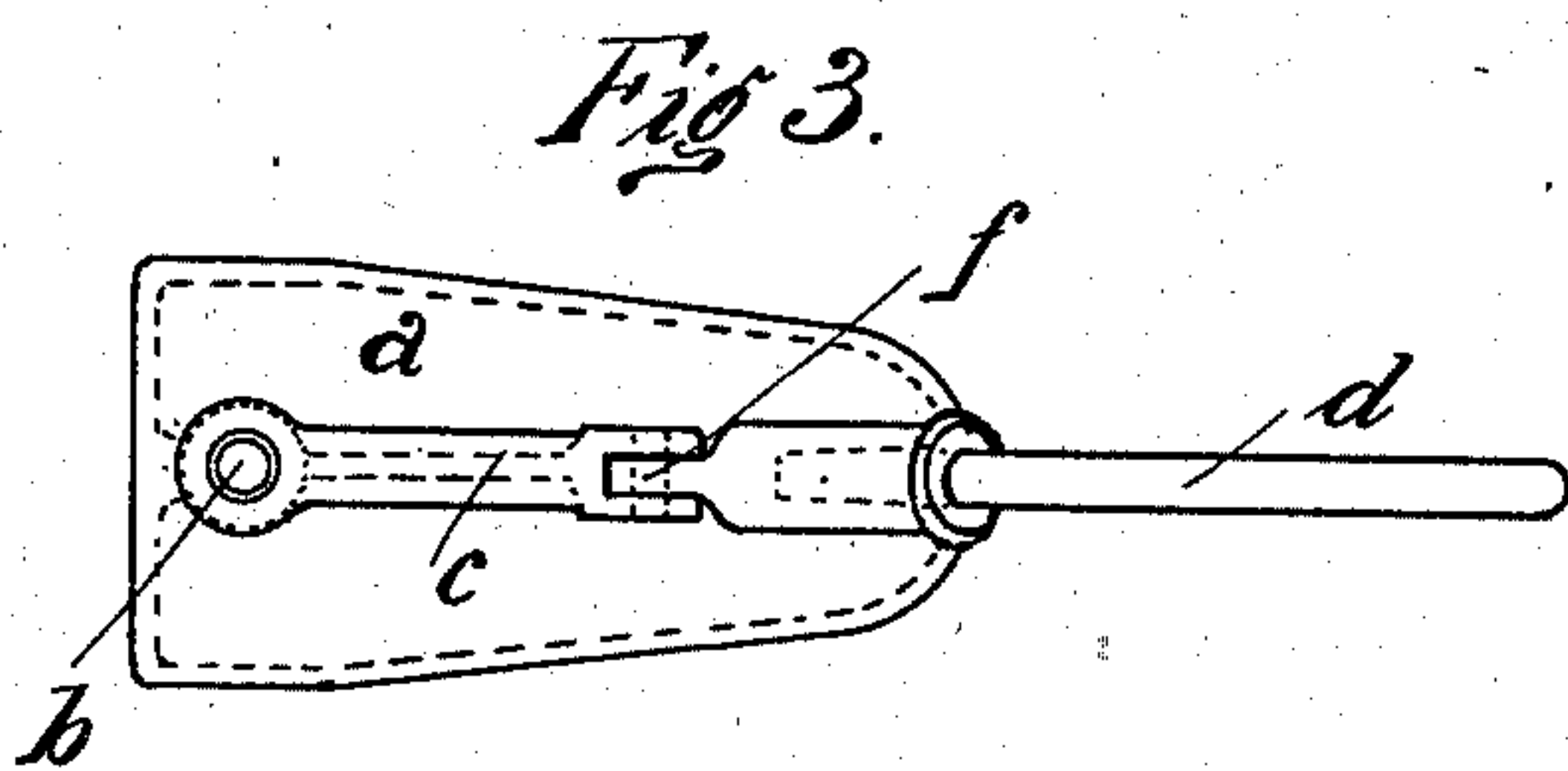
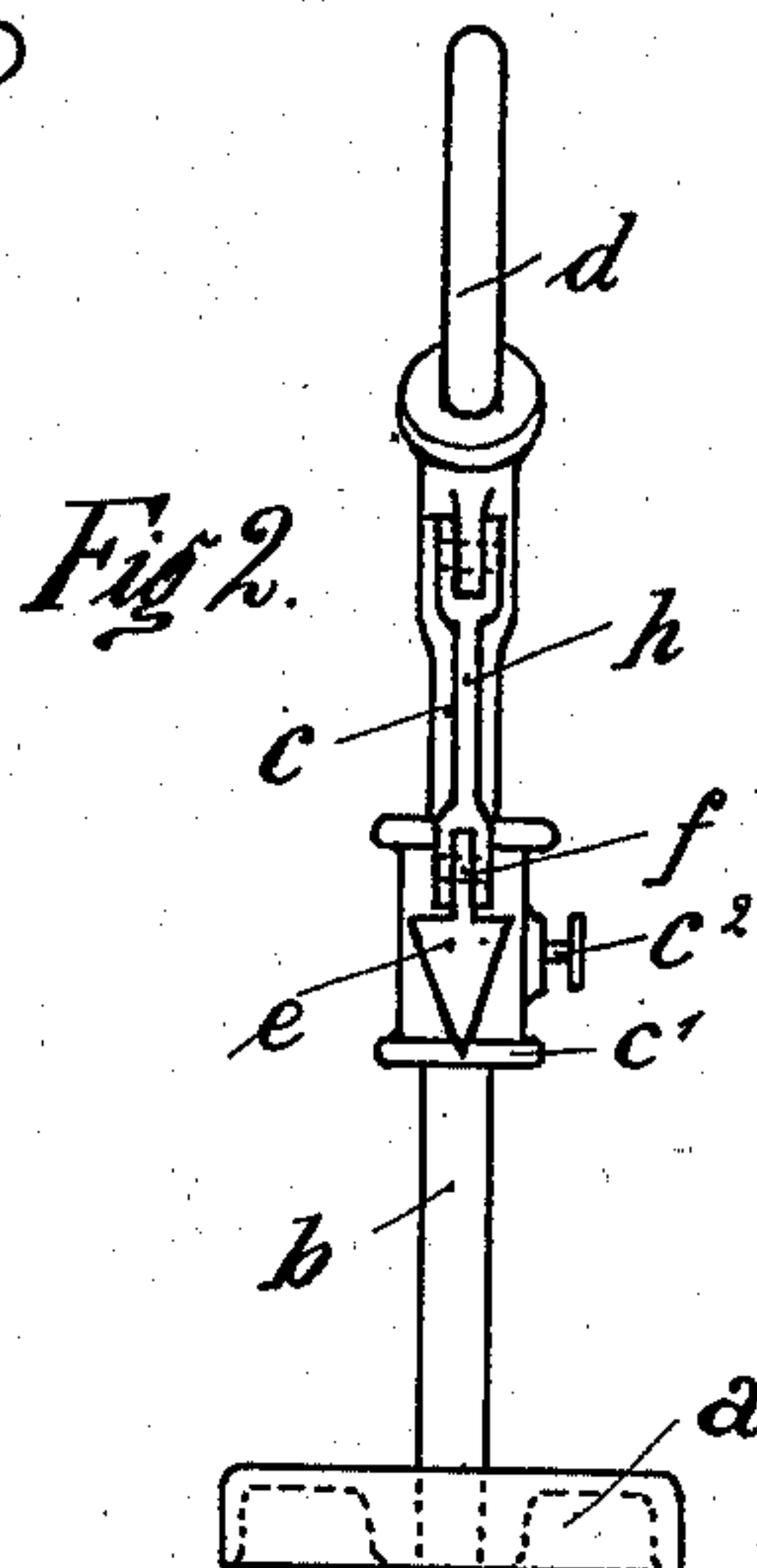
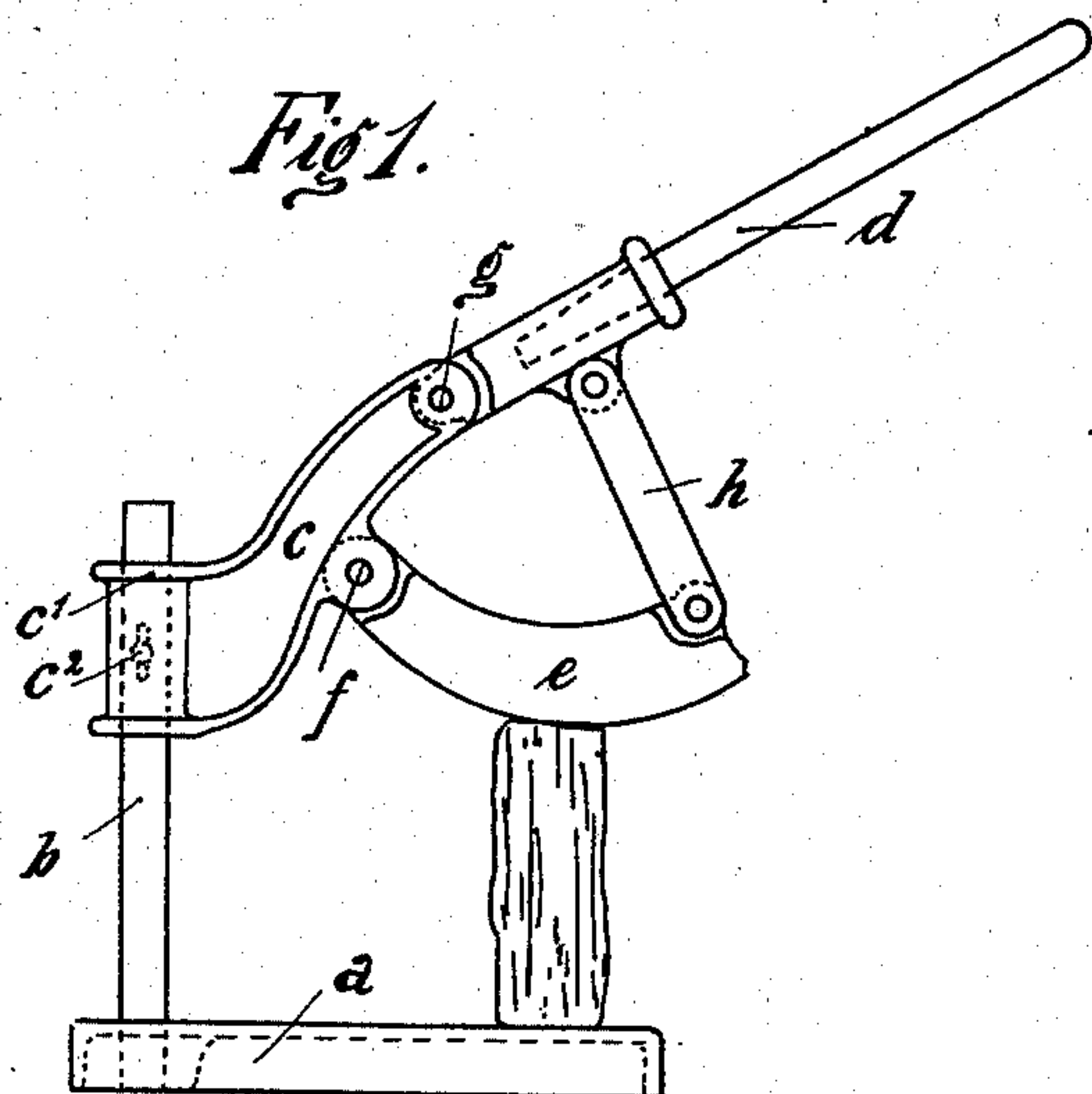


No. 720,010.

PATENTED FEB. 10, 1903.

G. EIDEN.
WOOD SPLITTING DEVICE.
APPLICATION FILED AUG. 27, 1902.

NO MODEL.



Witnesses:
O. Kammach
L. Waldman

Inventor:
Gustav Eiden
by P. Singer atty

UNITED STATES PATENT OFFICE.

GUSTAV EIDEN, OF HAMBURG, GERMANY.

WOOD-SPLITTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 720,010, dated February 10, 1903.

Application filed August 27, 1902. Serial No. 121,167. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV EIDEN, locksmith, a subject of the German Emperor, and a resident of Schumannstrasse 8, Hamburg, in the German Empire, have invented new and useful Improvements Relating to Wood Cutting or Splitting Devices, (for which I made application for patent in Great Britain August 8, 1902,) of which the following is a specification.

This invention relates to a wood cutter or splitter which is capable of adjustment to correspond with the height of billets of various lengths.

Various views of the device are given in the accompanying drawings.

Figure 1 is a side elevation of the appliance. Fig. 2 is a front elevation of the same. Fig. 3 is a plan view; and Figs. 4 and 5 illustrate a modification in which the base-plate is constituted by a bracket, Fig. 4 being a side elevation and Fig. 5 a front elevation of this form of the device.

The appliance consists of a base-plate *a*, an upright *b* fixed therein, the supporting-head *c*, and the splitting-wedge *e*, operated by means of the lever *d*. The upright *b* may consist of a solid or hollow cylindrical rod, and it may conveniently be screwed into a hole provided for that purpose in the base-plate *a*. The supporting-head *c* is provided with a socket *c'*, adapted to slide upon the upright, a set-screw *c''* serving to fix it at the desired height. The splitting-wedge *e* is pivoted upon the pin *f*, while the hand-lever *d* is pivoted at the extremity of the head-piece at *g*, the movement imparted to this lever being transmitted to the cutter *e* by the intermediary of the link *h*.

In use the appliance may be readily adjusted to the proper height. If it is desired to attach it permanently to the wall, the base-plate may be formed by a bracket, as shown in Figs. 4 and 5, thus permitting such attachment to be easily effected.

In addition to the increased power obtained by the leverage exerted upon the cutter in the appliance described above the further advantage is afforded of permitting speedy adjustment to various lengths of wood, as in order to effect this it is only necessary to shift the head-piece *c* upon the upright, so that whatever may be the length of the wood it may be readily arranged beneath the cutter, and the displacement of the lever invariably commences at the highest position.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination with the base-plate and the upright, and the vertically-adjustable head-piece on the upright, of the splitting-wedge and the lever-handle, pivoted to the head-piece at different points, and the link connecting the wedge and handle.

2. The combination with a support, of a splitting-wedge pivoted thereto, a lever-handle pivoted to the support at a different point, and a link connecting the handle and wedge, substantially as described.

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

GUSTAV EIDEN.

Witnesses:

OTTO W. HELLMRICH,
T. CHRIST. HAUFERMANN.