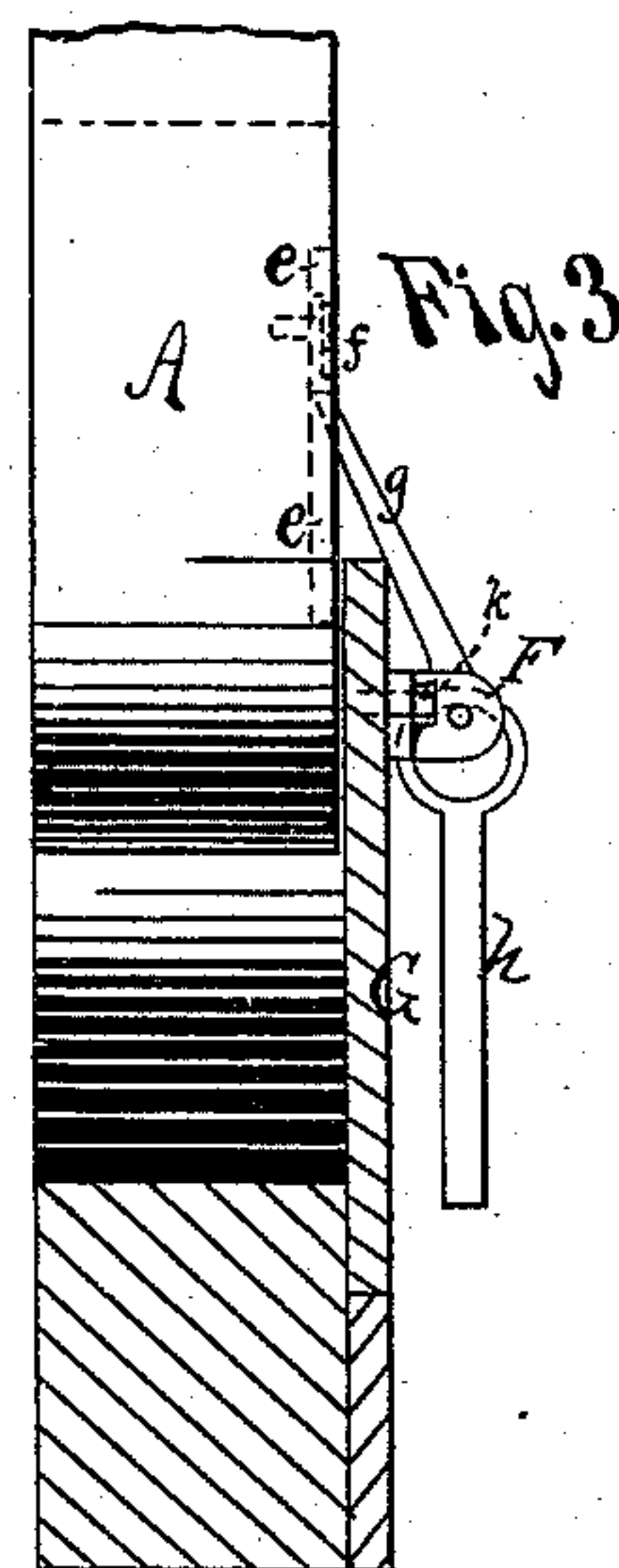
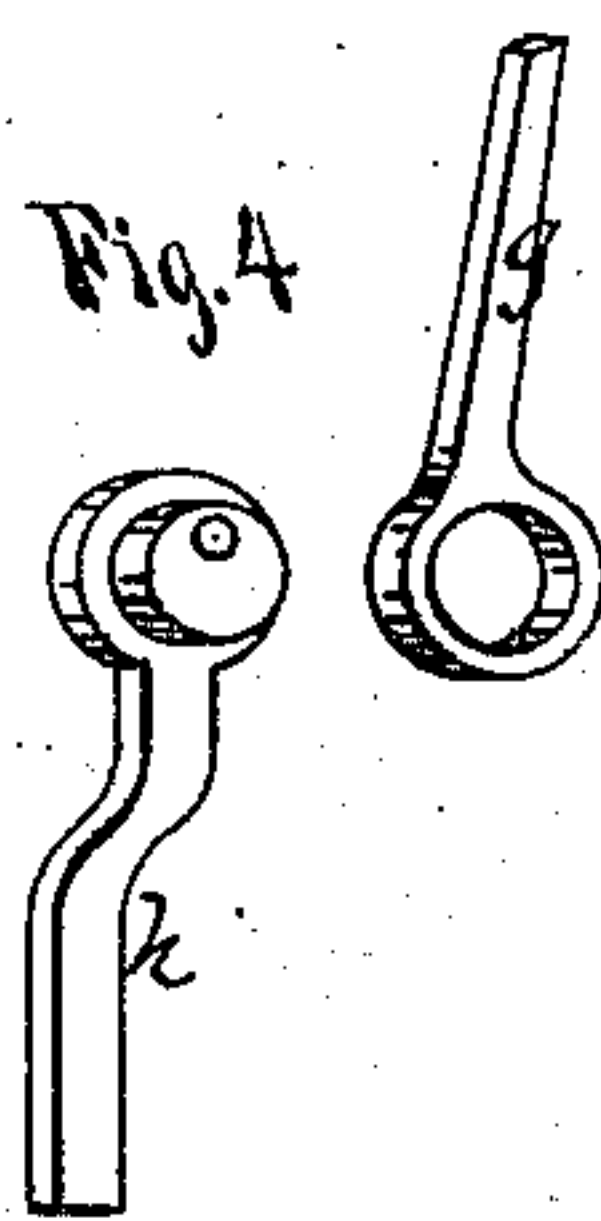
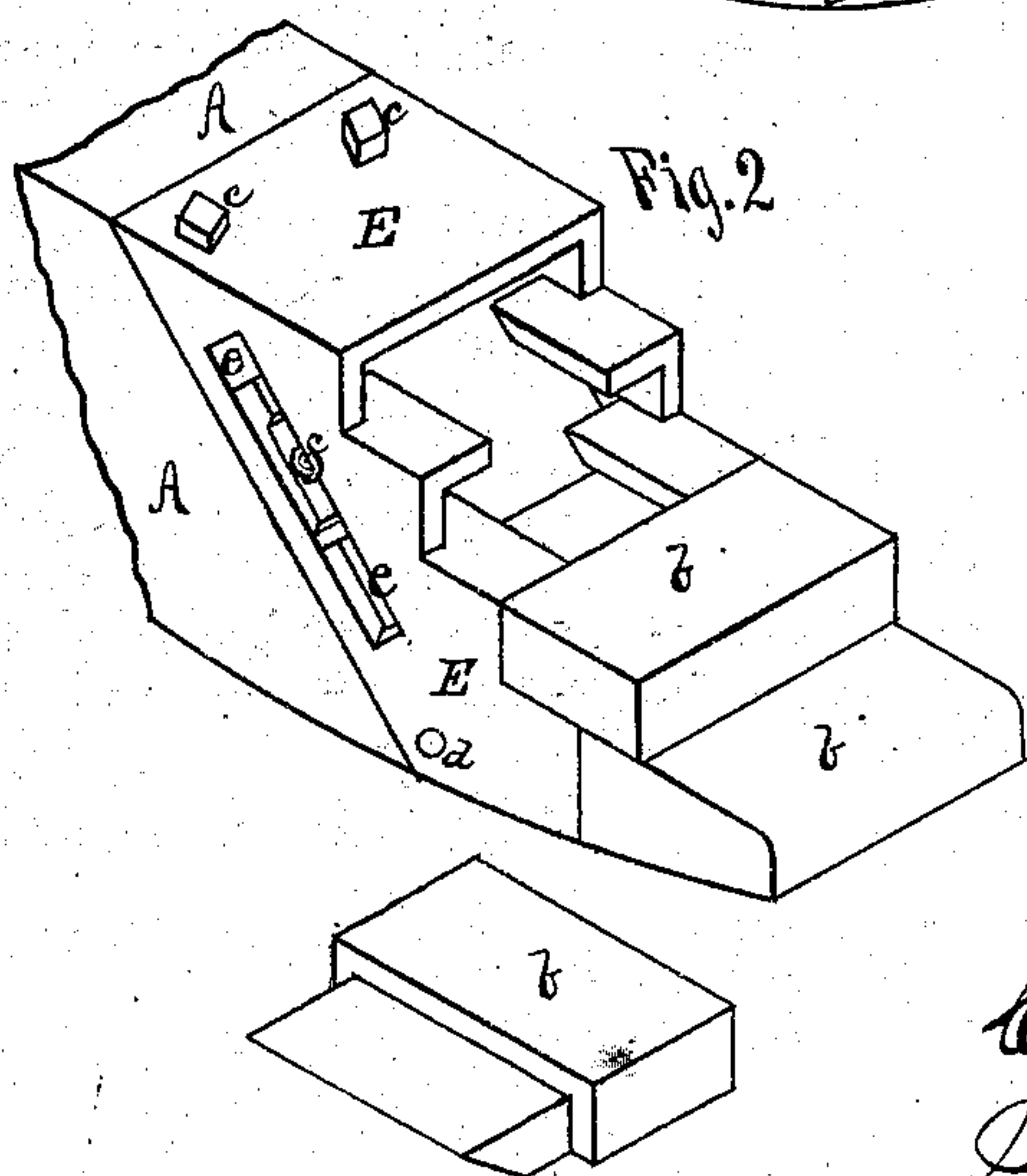
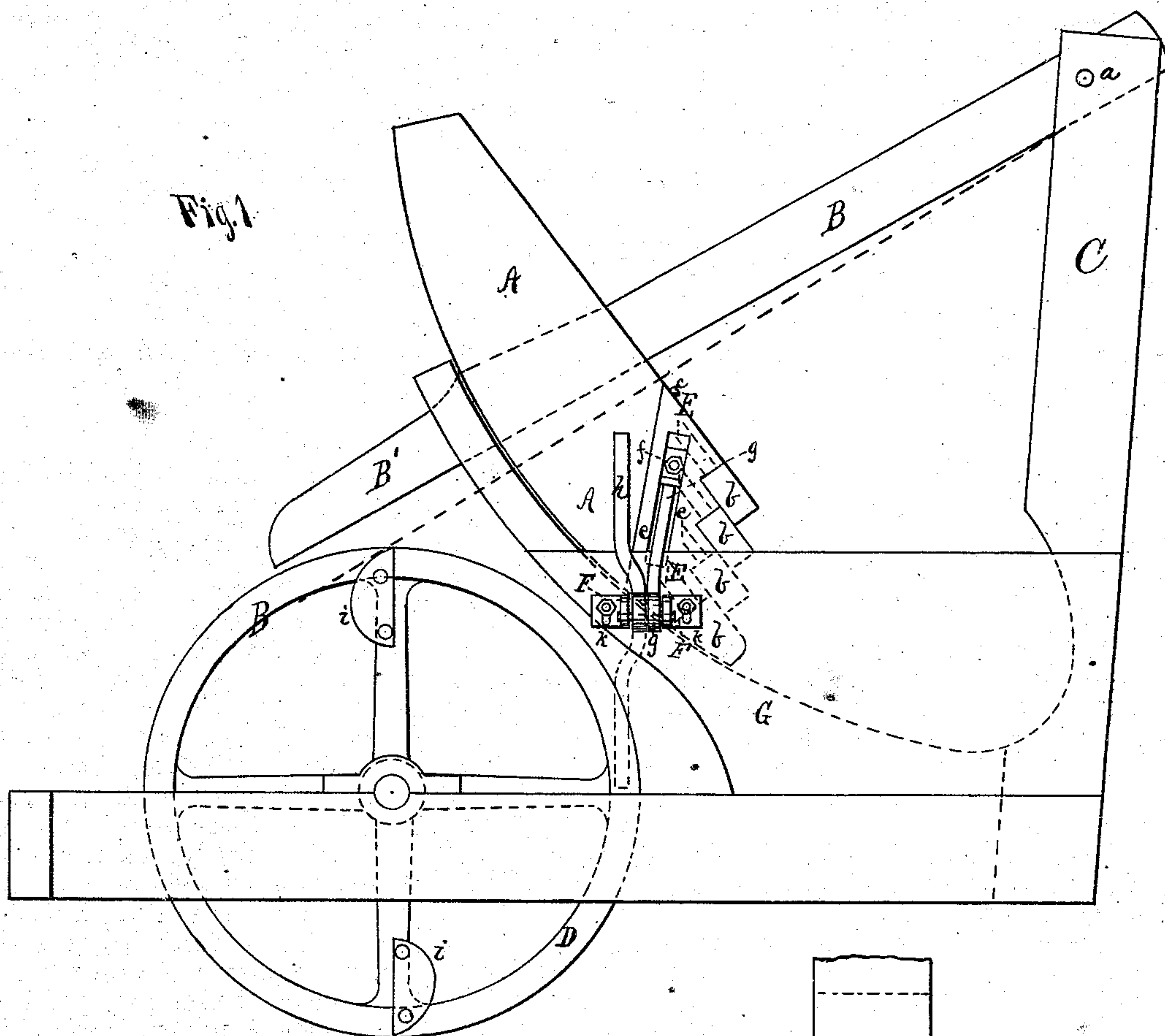


S. HUSSEY.
Fulling-Mills.

No. 158,842.

Patented Jan. 19, 1875.



Witnesses,
C. H. Woodward,
J. H. Parsons.

Sylvanus Hussey,
Inventor, By
Burke, Fraser & Co
Attys

UNITED STATES PATENT OFFICE.

SYLVANUS HUSSEY, OF GOWANDA, NEW YORK.

IMPROVEMENT IN FULLING-MILLS.

Specification forming part of Letters Patent No. 158,842, dated January 19, 1875; application filed August 3, 1874.

To all whom it may concern:

Be it known that I, SYLVANUS HUSSEY, of Gowanda, in the county of Cattaraugus and State of New York, have invented certain Improvements in Fulling-Mills, of which the following is a specification:

This invention is an improvement on my patent dated April 2, 1872, numbered 125,135; and consists in devices for holding up the hammer or "beater" while the cloth is being removed; also, in a metal socket or frame for holding or removing the "toes," as hereinafter explained.

In the drawings, Figure 1 is a side elevation; Fig. 2, a perspective of the beater-socket; Figs. 3 and 4, detail views.

A represents the beater or hammer; B, the handle, which is pivoted at *a* to the post C, the other end, B', striking on the tappet-wheel D. This hammer is usually made of wood, and occasionally for hide-mills the toes are of metal. My improvement consists in setting on the face of the beater a removable frame or metal socket, E, into which are inserted the wooden toes *b b b*, which come in contact with the cloth. The object of this socket or frame is to allow these toes to be removed when worn out, and the insertion of new ones in their stead, to obviate having to renew the entire beater, as is now the case. In this respect alone my invention will be found very important and useful, besides doing the work better. This frame E is made removable, in order to readily take out or put in the toes. It is fastened at the top by set-screws *c c*, or their equivalents, Fig. 2, and at the bottom by a loose pin or rod, *d*, easily inserted or removed. The shape of the toes is also shown in Fig. 2, and

they are held in by their peculiar construction without any fastenings.

To raise and hold the beater while the cloth is being removed or inserted is another important feature of my invention, which I accomplish as follows: In one side of this metal frame a slot, *e*, is sunk, and in it is a sliding catch, *f*. On the side frame-work G of the machine I fasten a slotted metal holder, F, having a dog, *g*, and eccentric lever *h*. (See Figs. 1, 3, and 4.) When the beater is raised by the tappets, &c., to a sufficient height, the dog *g* is set against the catch *f*; the eccentric lever *h* is then turned up, as in Fig. 1, which locks the dog in that position, and is only released when the lever is reversed. The catch *f* in slot *e* is made adjustable up or down, so that when the tappets *i i* on the wheel D wear down the catch can be set accordingly, to compensate therefor. The metal holder F has slots *k k* for a similar purpose, to raise or lower the frame carrying the dog and eccentric lever.

I claim—

1. The combination of the dog *g*, eccentric lever *h*, the slot *e* in the side of the socket-face E, and the adjustable catch *f* therein, operating as and for the purpose specified.

2. In a fulling-mill, the metal socket or toe-holder E and toes *b b*, in combination with the beater A, as and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

SYLVANUS HUSSEY.

Witnesses:

J. R. DRAKE,

T. H. PARSONS.