

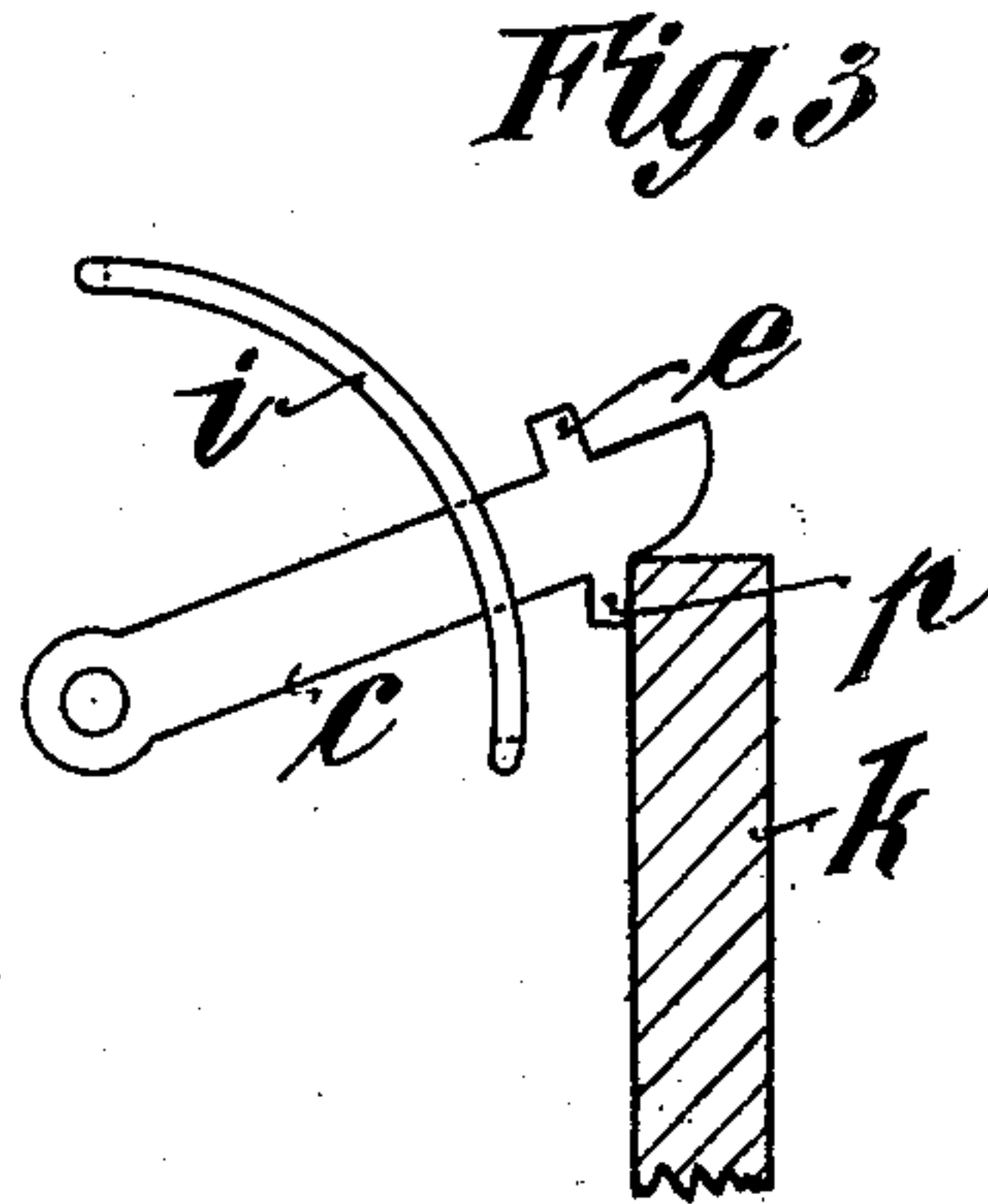
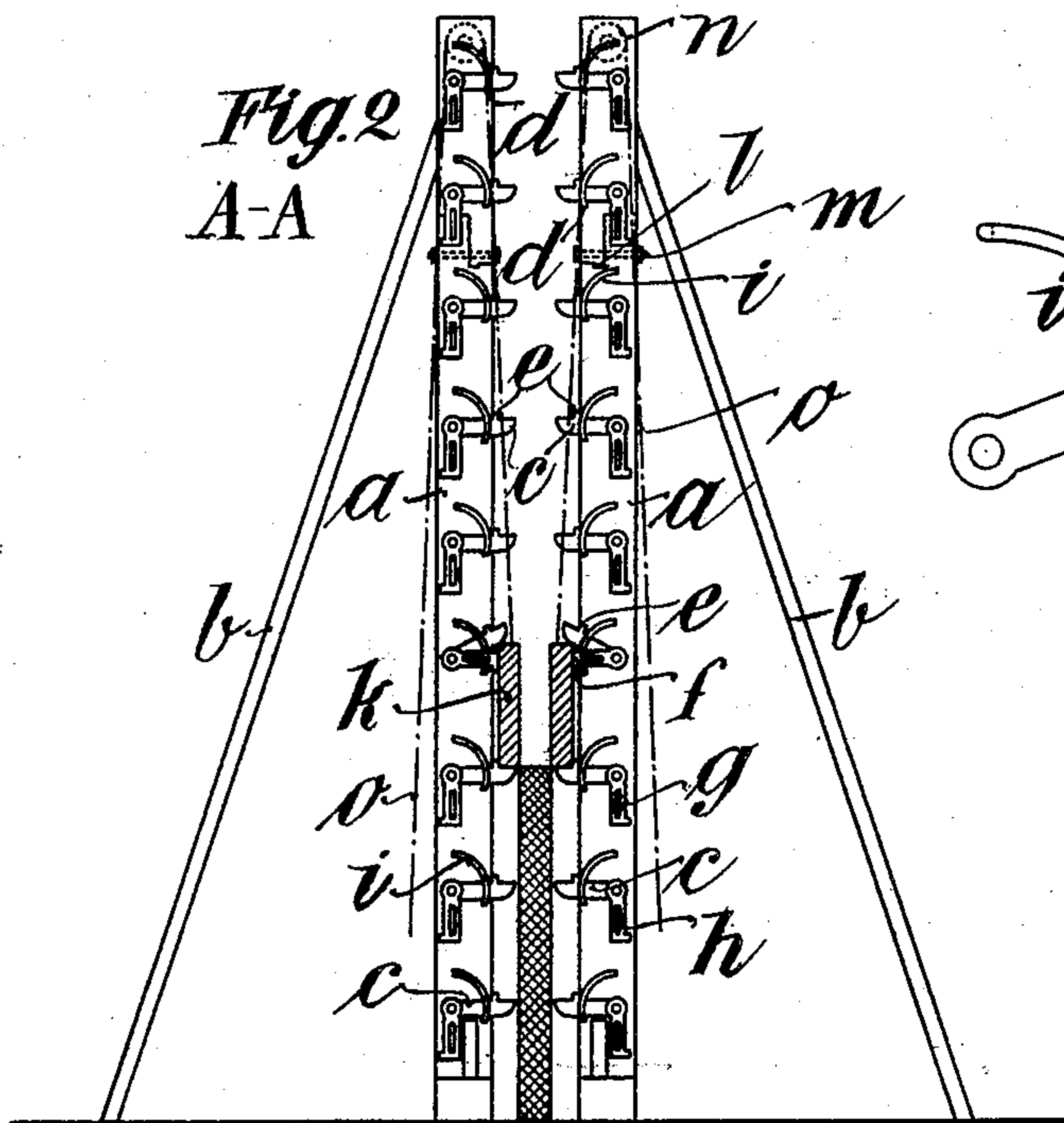
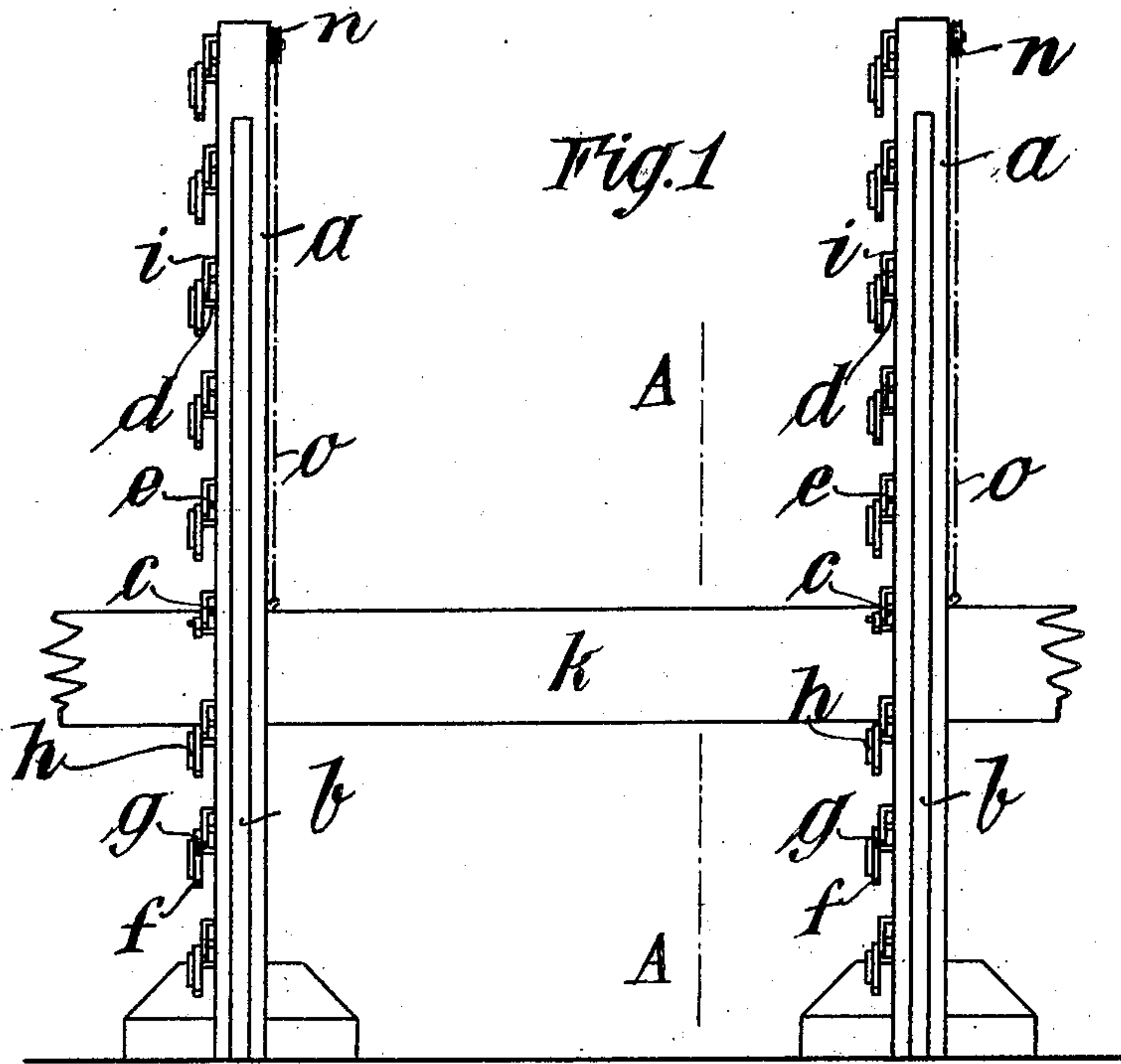
No. 887,041.

PATENTED MAY 5, 1908.

H. HANSEN.

MANUFACTURE OF INTERMEDIATE WALLS.

APPLICATION FILED SEPT. 27, 1907.



Witnesses
J. J. Anderson
H. H. Hansen

Inventor
H. H. Hansen

UNITED STATES PATENT OFFICE.

HANS HANSEN, OF BREMEN, GERMANY.

MANUFACTURE OF INTERMEDIATE WALLS.

No. 887,041.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed September 27, 1907. Serial No. 394,824.

To all whom it may concern:

Be it known that I, HANS HANSEN, a subject of the German Emperor, and resident of 28 Hamburgerstrasse, Bremen, Germany, have invented certain new and useful Improvements in and Relating to the Manufacturing of Intermediate Walls, of which the following is a specification.

The present invention relates to the manufacturing of intermediate walls made of plaster.

In the accompanying drawing in which I have illustrated my invention like letters of reference refer to like parts throughout the different views.

In said drawings, Figure 1 shows a front view, Fig. 2 shows a section on lines A—A of Fig. 1. Fig. 3 shows another lever arrangement.

Two posts *a*, which are brought into a vertical plane by means of supports *b* are placed opposite at a distance apart corresponding to the thickness of the wall to be built. Each post *a* is provided at certain distances with pivotally mounted levers *c*, supported by bolts *d*. The levers *c* are provided with projections *e*. Furthermore pivotally mounted levers *g* are placed on the vertical supports and provided with projections *f*. These levers have handles *h*. The projections *f* present a large surface. The narrow levers *c* are guided in guides *i* located outside of said levers.

The use of the apparatus is as described hereafter.

According to the length of the wall I erect several such pairs of posts and place at their lowest end two plates *k*, which stand opposite each other at a distance corresponding to the wall to be built. The intermediate space is filled with a certain substance *e. g.* plaster and stamped fast in a well known manner. Now one of the plates *k* is lifted at one end. By this motion the levers *c* are turned upward around their pivot but fall again downward after the plate *k* has passed the same. The plate again drops and finds support on the levers *c*. The same operation is repeated with the other end of the plate and also with the oppositely located plate. The levers *g* are simultaneously turned around their bolts in order to place the plate resting below against the projection *e* of the lever *c*, by the

projection *f* of the lever *g* into a vertical plane. In order to use this apparatus for any desirable height I can compose the posts *a* of several pieces, which as shown in Fig. 2 are mortised together and are kept together by bolts *m*. Instead of moving the plates *k* by hand I provide rollers *n* on the upmost end of the post *a* and guide a cord *o* over the same and connect it with the said plates. If one lever shall be spared I use the apparatus as illustrated in Fig. 3. In this last construction the lever *c* is provided with, besides the projection *e*, a sloping nose *p*. This nose effects in place of the second lever *g* the exact vertical adjustment of the plates. In order to prevent a falling down of the plate this projection or nose *p* may engage a groove of the plate *k*.

What I claim as new and desire to secure by United States Letters Patent is:—

1. In an apparatus for the manufacturing of intermediate walls the combination of several vertical posts placed at the ends of the wall to be built, long plates located at a distance apart corresponding to the thickness of the wall to be built and connecting said posts, levers (*c*) pivotally mounted on said posts, bolts (*d*) supporting said levers in their horizontal position, means to lift the plates on all sides step by step, means to turn said levers upward, and means to turn said levers downward after the plates have passed the same, substantially as described and for the purpose set forth.

2. In an apparatus for the manufacturing of intermediate walls the combination of several vertical posts, long plates, levers (*c*), a guide, means to guide said levers in said guide, projections provided on said levers adapted to let the plate rest against the same, pivotally mounted levers (*g*), handles provided on said levers, projections of said levers (*g*) corresponding to the projections of the levers (*c*), substantially as described and for the purpose set forth.

In testimony whereof I have hereunto signed my name this 14th day of September 1907, in the presence of two subscribing witnesses.

HANS HANSEN.

Witnesses:

FERDINAND REICH,
FR. HOYERMANN.