

J. HAUSER.  
ALARM CLOCK.

APPLICATION FILED NOV. 11, 1902.

NO MODEL.

Fig. 1.

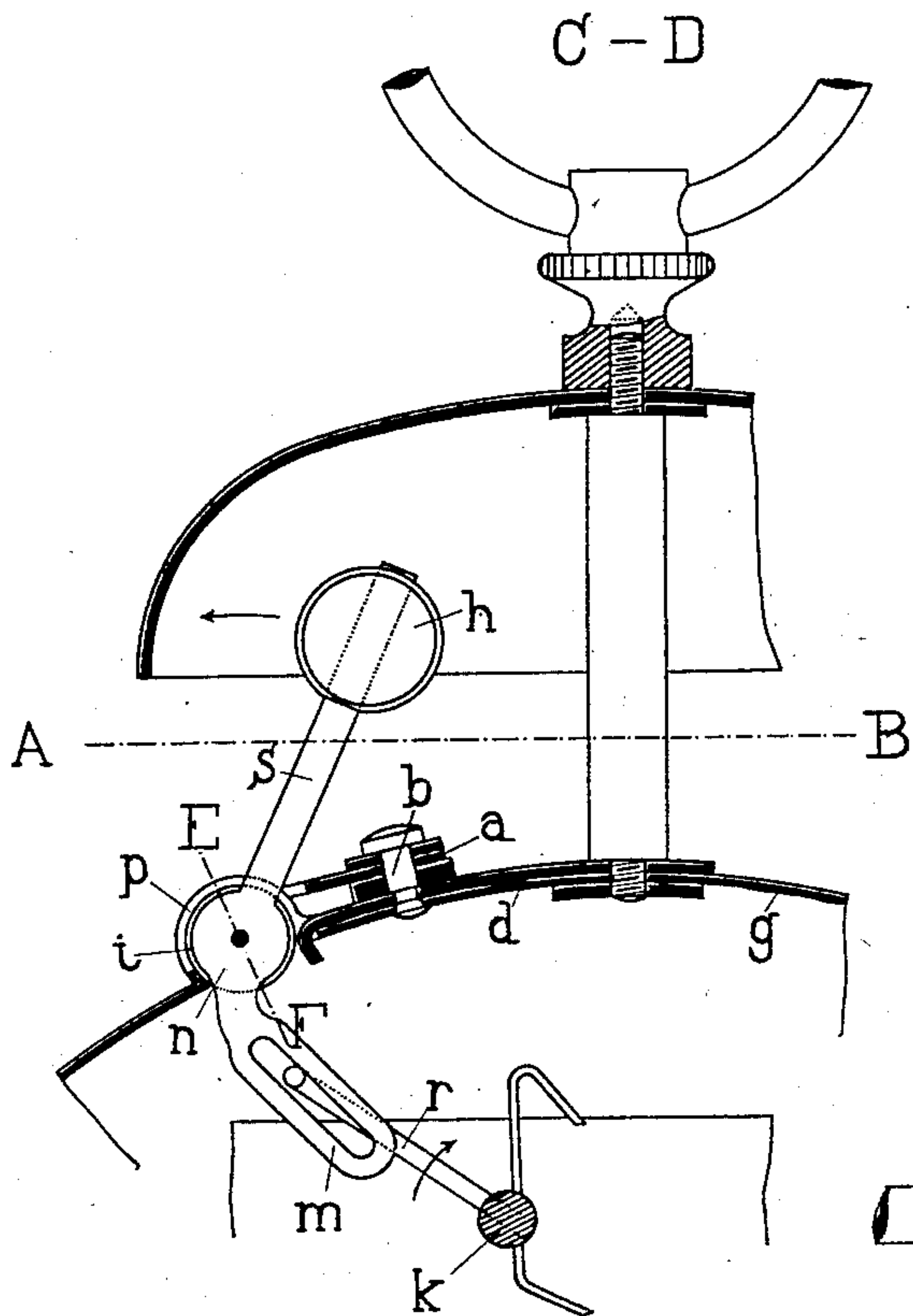


Fig. 3.

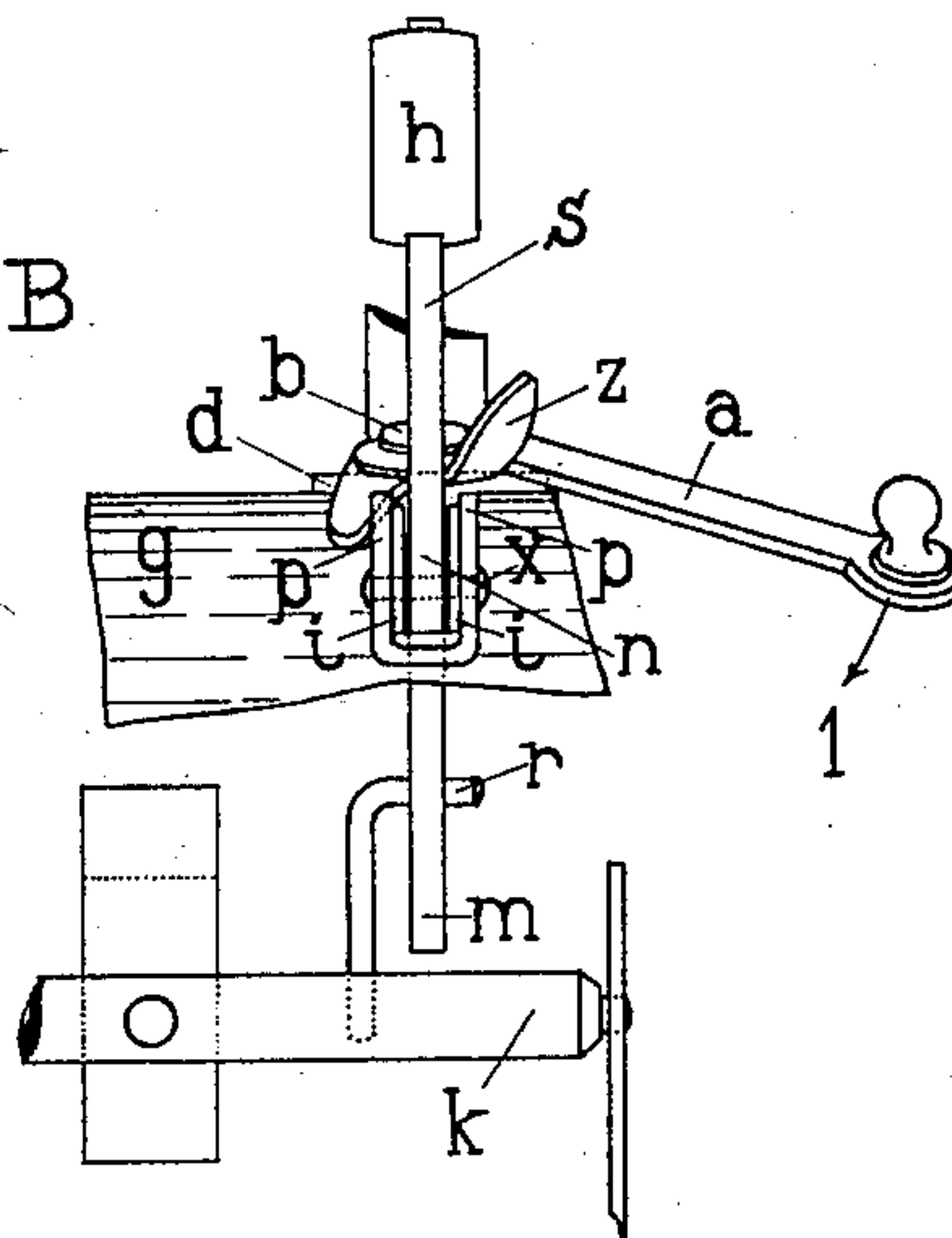


Fig. 2.

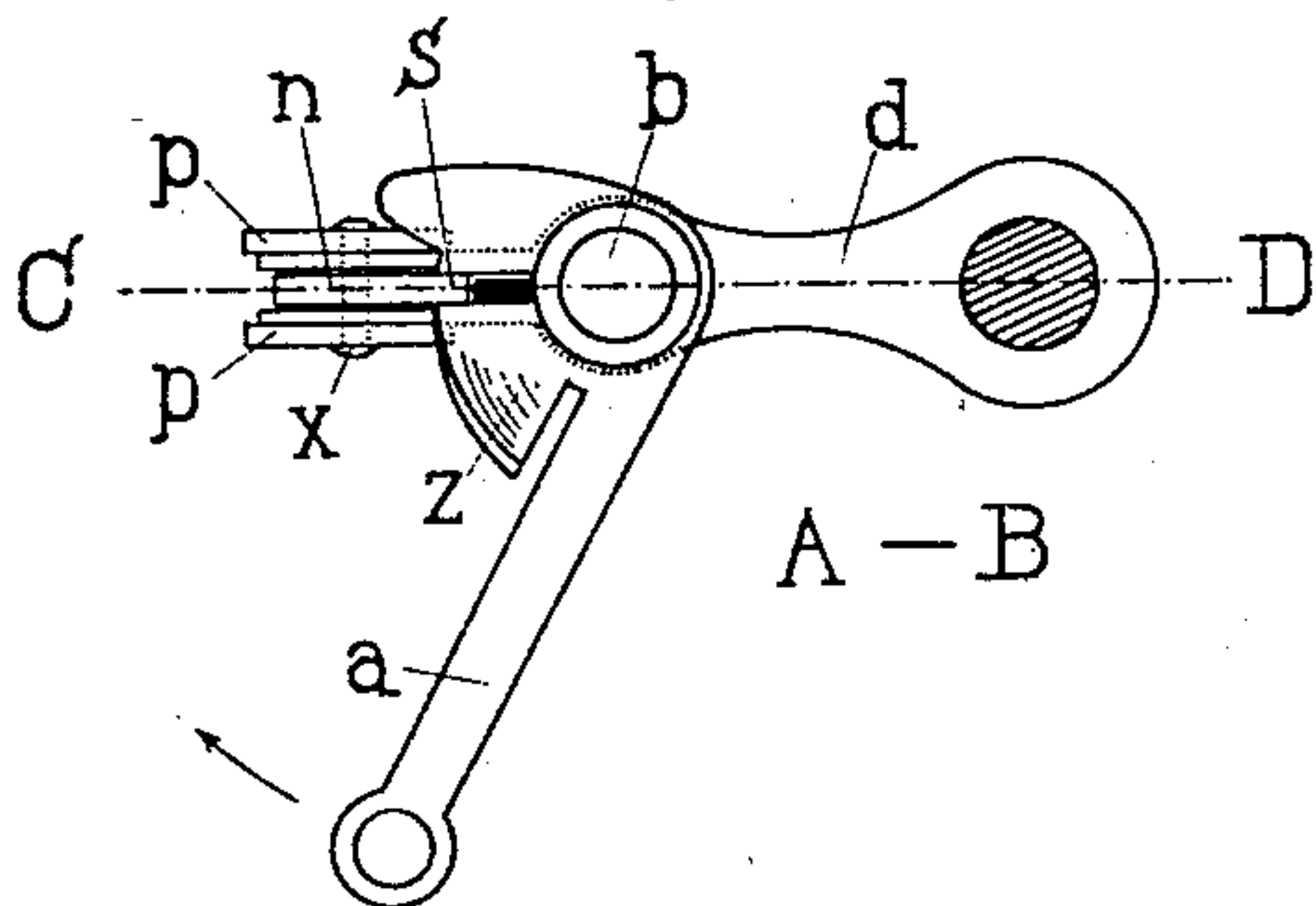
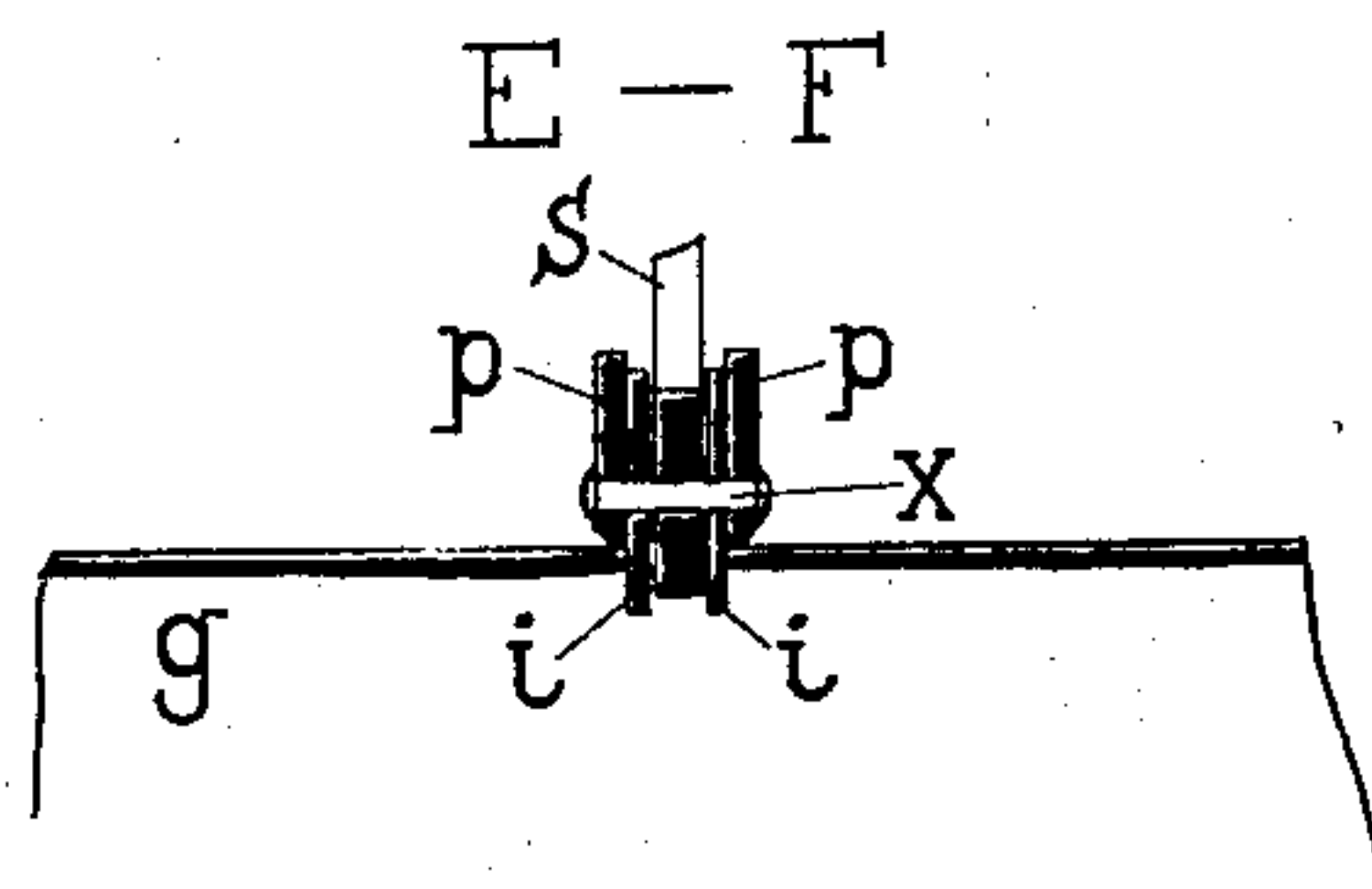


Fig. 4.



Witnesses:  
C. H. Schilling  
Paul Arias.

Inventor:  
Jakob Hauser  
by Paul S. Schilling  
his attorney.

# UNITED STATES PATENT OFFICE.

JAKOB HAUSER, OF SCHRAMBERG, GERMANY, ASSIGNOR TO HAMBURG-AMERIKANISCHE UHRENFABRIK, OF SCHRAMBERG, GERMANY.

## ALARM-CLOCK.

SPECIFICATION forming part of Letters Patent No. 720,801, dated February 17, 1903.

Application filed November 11, 1902. Serial No. 130,898. (No model.)

*To all whom it may concern:*

Be it known that I, JAKOB HAUSER, a subject of the King of Württemberg, residing at Schramberg, Württemberg, Germany, have  
5 invented certain new and useful Improvements in Clocks, of which the following is a specification.

My invention has reference to improvements in clocks, and relates more especially  
10 to a dust-proof journal for the clapper-rod; and the object of the invention is to render the cases of striking or alarm clocks with outwardly-exposed gong dust-proof.

With this object in view the invention consists of the construction and arrangements of  
15 parts, as hereinafter described with reference to the accompanying sheet of drawings and specifically pointed out in the claim.

Figure 1 represents a side elevation of the  
20 device, showing the clock-casing and the gong in section on line C D of Fig. 2 and partly broken away. Fig. 2 is a plan view of the clapper-mounting as seen below the line A B of Fig. 1. Fig. 3 is a front elevation  
25 of same, and Fig. 4 a section on line E F of Fig. 1.

For the sake of clearness the parts are drawn to an enlarged scale and the invention is shown applied to a casing of thin sheet  
30 metal. To this casing *g* is secured the bridge-piece *d*, which journals the clapper-rod. Two upstanding lugs *p* are made preferably in one with the bridge-piece *d*, and in these lugs is journaled the pivotal axle *x*, which in turn  
35 carries the clapper. It is obvious that either the pivotal axle or the clapper may be loosely journaled. The flat clapper-rod *s* is formed with a hub or boss *n*, and upon either side of this hub a packing-washer *i* is mounted, filling  
40 ing the space between the hub and the lugs,

but without interfering with the free oscillations of the clapper. The slot provided in the bridge-piece *d* and case *g* between the lugs *p* is just wide and long enough to permit of the introduction and displacement of the  
45 lower part of the hub *n*. Within the casing the clapper-rod is continued in the form of a crank-arm *m*, in the slot of which takes the finger *r*, mounted upon the oscillating spindle *k* of the striking or alarm device. 50

In order to render the clapper inoperative, the stop-lever *a* is swung about its pivot in the direction indicated by the arrow until its upwardly-turned tongue *z* lies in front of the  
55 clapper-arm *s*, preventing its further oscillation.

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

In clocks with exterior gong, the combination of a casing, a bridge-piece secured to  
60 said casing, upstanding lugs on said bridge-piece, a pivotal axle journaled in said lugs, a clapper journaled upon said pivotal axle, comprising a clapper-head, a clapper-rod, a  
65 hub and a slotted crank-arm, part of the said hub freely passing through and moving in a slot provided in said casing and in said bridge-piece, washers between the said lugs and the said clapper-hub, means for oscillating the said clapper and means for arresting it, substantially as and for the purpose  
70 set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JAKOB HAUSER.

Witnesses:

WM. HAHN,  
ERNST ENTENMAN.