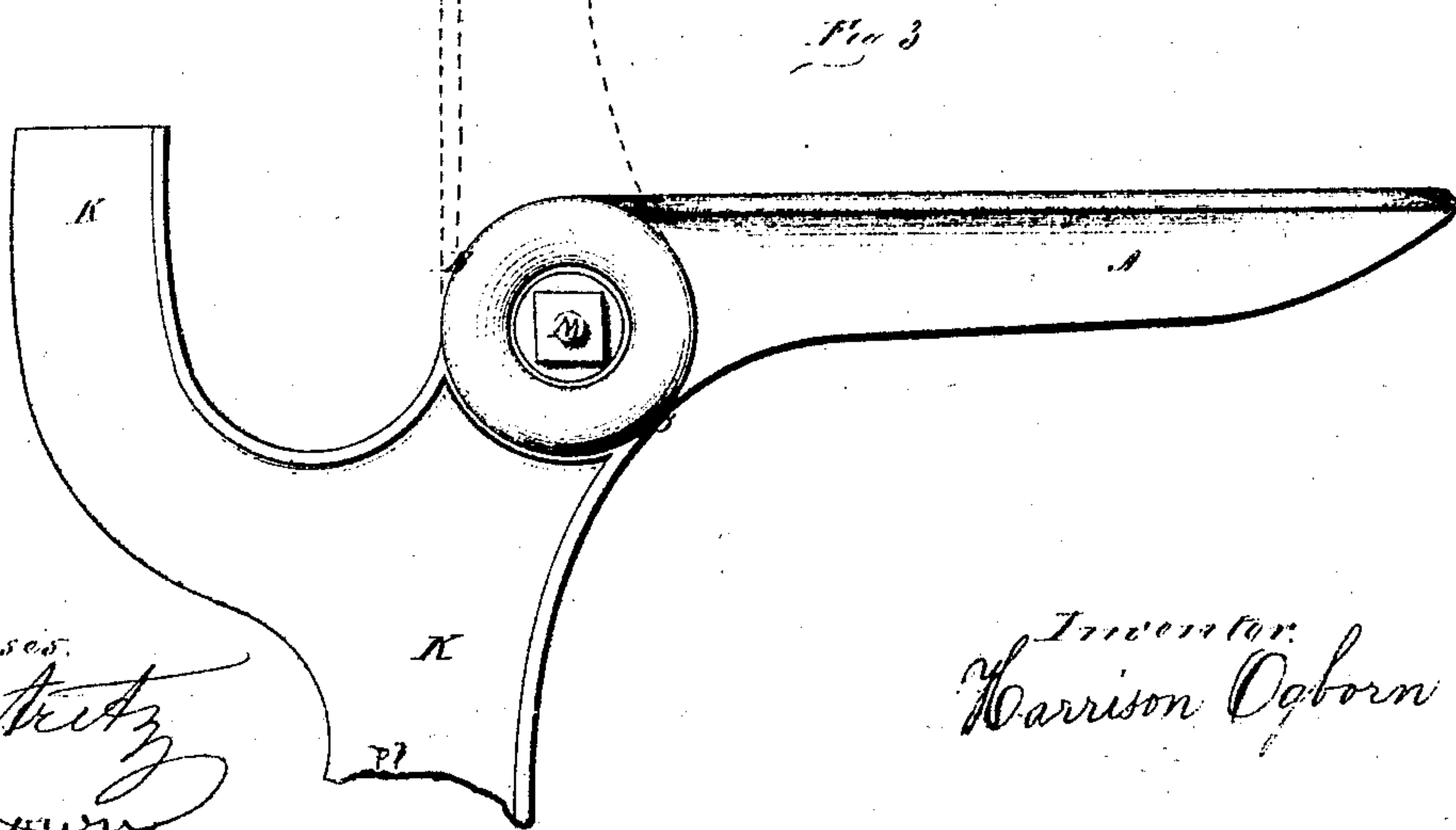
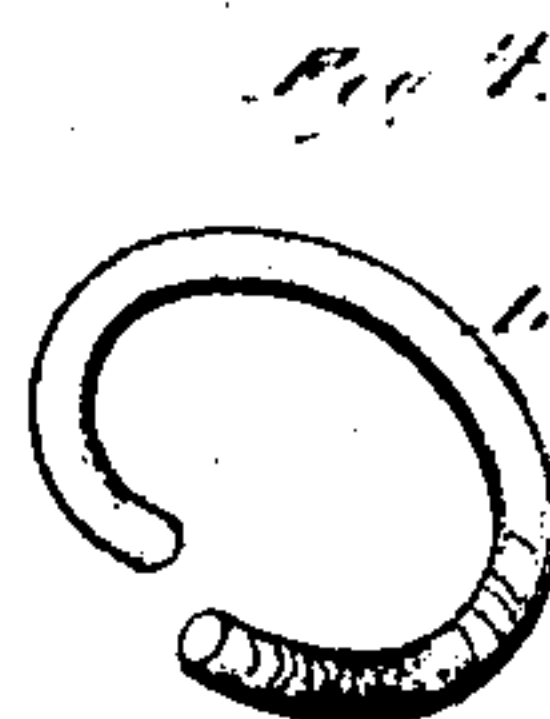
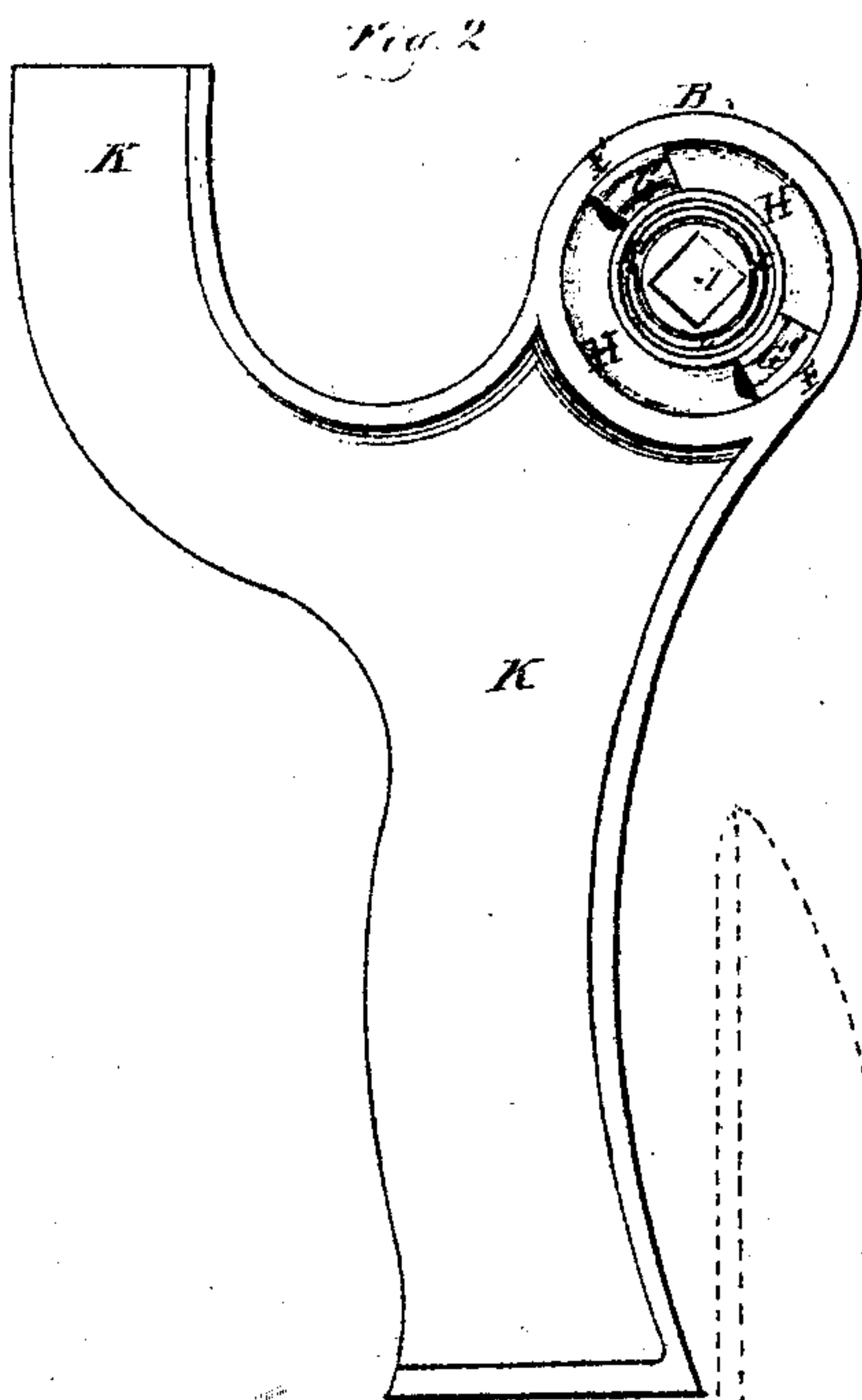
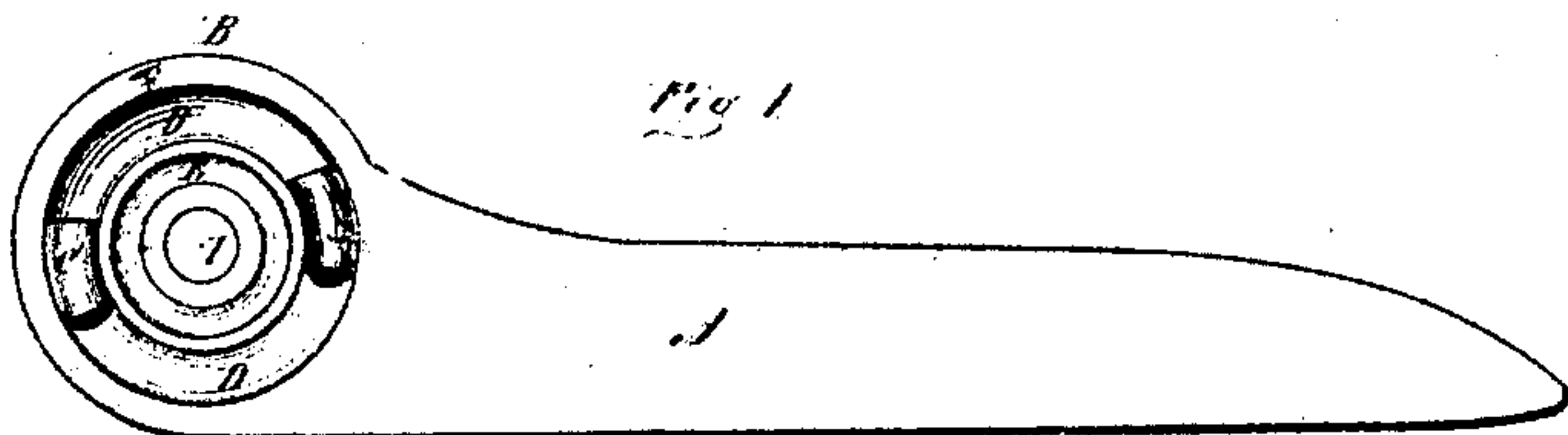


*H. Ogborn,*  
*School Furniture.*

*No. 94,335.*

*Patented Aug 31/1869.*



Witnesses:  
*Henry J. Steitz*  
*Edm. F. Brown*

Inventor:  
*Harrison Ogborn*

# UNITED STATES PATENT OFFICE.

HARRISON OGBORN, OF RICHMOND, INDIANA, ASSIGNOR TO AARON CHANDLER, OF DAVENPORT, IOWA.

## IMPROVED SEAT FOR SCHOOLS, HALLS, CHURCHES, &c.

Specification forming part of Letters Patent No. 94,335, dated August 31, 1869.

*To all whom it may concern:*

Be it known that I, HARRISON OGBORN, of Richmond, in the county of Wayne and State of Indiana, have invented a new and useful Improvement in Seats for Schools, Halls, Churches, and for other Purposes; and I do hereby declare the following to be a full and exact description of the same sufficient to enable those skilled in the art to which my invention appertains to understand and construct the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plane side elevation of arm or seat support and joint. Fig. 2 is a plane or side elevation of the standard and joint. Fig. 3 is a plan view of the standard and arm when in position. Fig. 4 represents the circular metal spring.

My invention consists in the combination and arrangement of parts, as hereinafter more fully described.

A is the arm that supports the seat. B is the hinge. C C' are lugs on the arm-hinge. D D are grooves in the arm side of the hinge, in which the lugs G G' move. E is a groove that incloses the spring L. F is a flat surface where the two faces of the hinge come together. G G' are lugs on the standard-hinge. H H are grooves in which the lugs C C' move. I is a hole through the center of the hinge, to admit a bolt or rivet, M, to hold the parts together. K is the upright standard that sup-

ports the seat. L is a circular spring, made of any suitable material, bent sidewise out of a true plane, and placed in the groove E, which causes it to act like a spiral spring outwardly against the two parts of the hinge, thus producing the necessary friction for the purpose desired.

The operation is as follows: Supposing the arm A in Fig. 3 is thrown up, as shown in dotted lines, the lug C' comes in contact with lug G and lug C comes in contact with lug G'. When the seat-arm is thrown down to a horizontal or nearly a horizontal position lug C' rests against lug G' and lug C rests against G, the spring preventing noise and confusion by its friction, and the lugs thus making a strong seat with double bearings when in both positions, thus producing a desirable and useful result.

Having described the nature, construction, and operation of my invention, what I claim therein as new and useful, and desire to secure by Letters Patent, is—

The standard K and arm A, when provided with the lugs C C' G G' and spring L, and connected together by a rivet or bolt, M, constructed and arranged to operate as herein described, for the purpose specified.

HARRISON OGBORN.

Witnesses:

EDM. F. BROWN,  
E. R. REED.