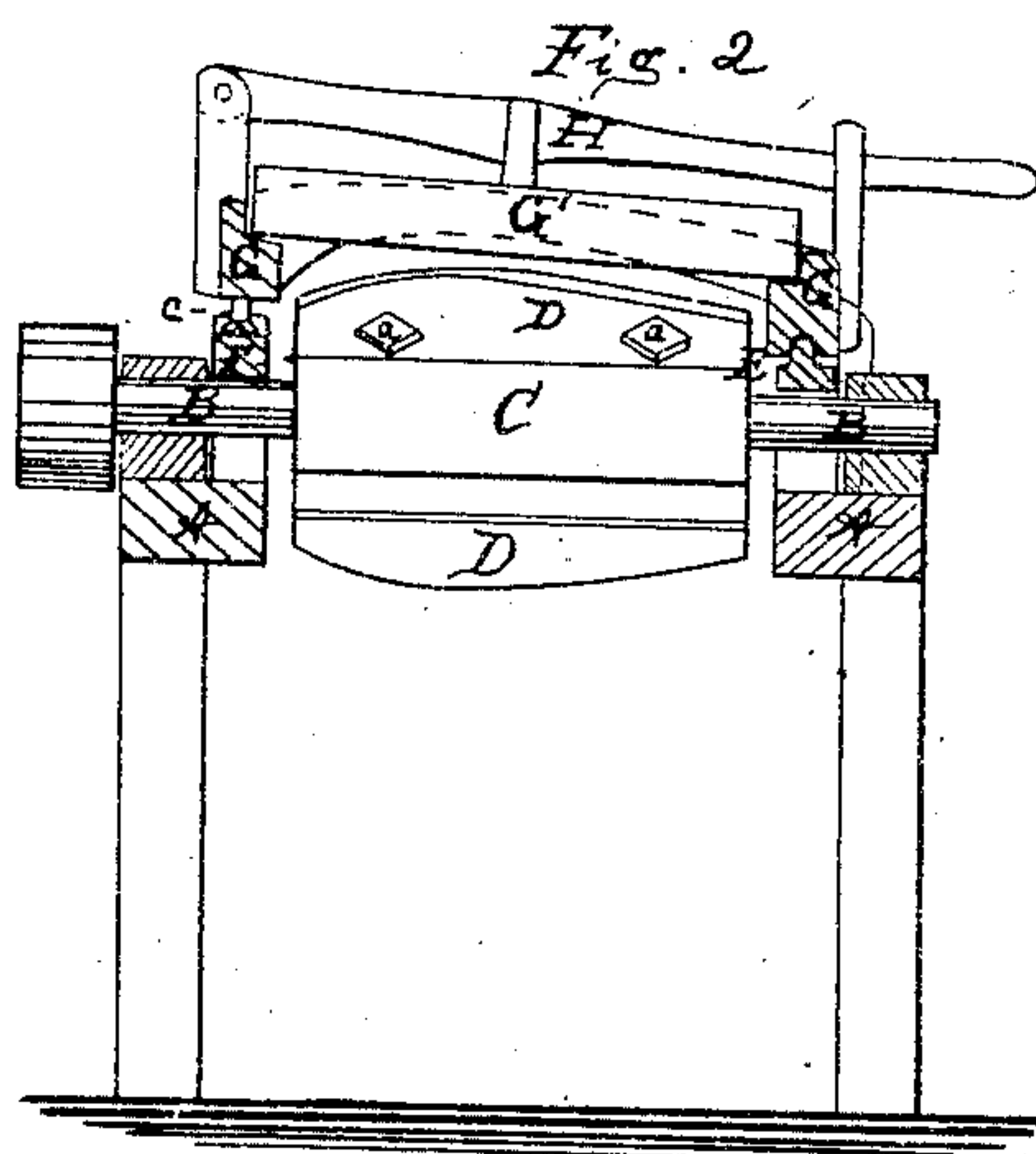
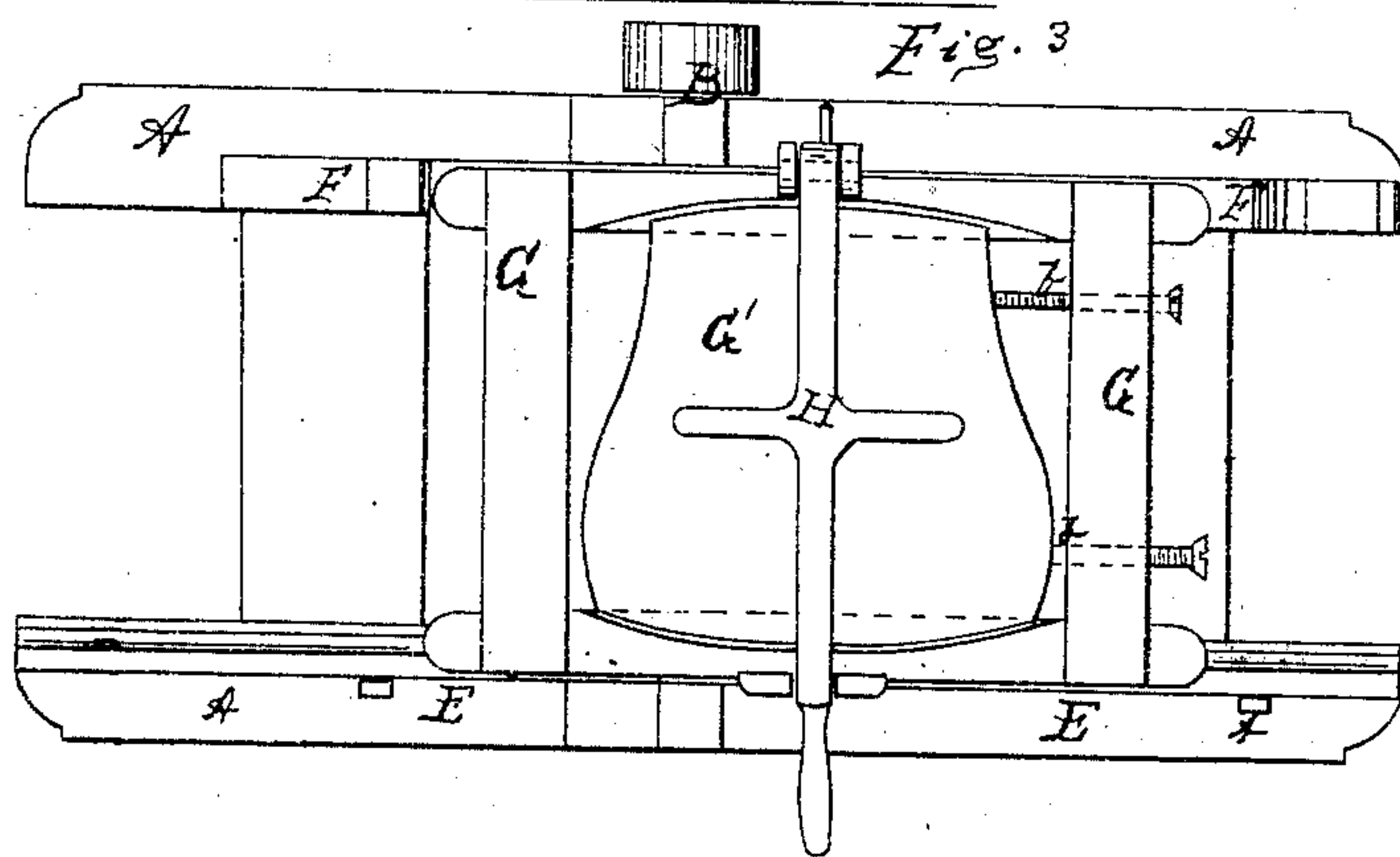
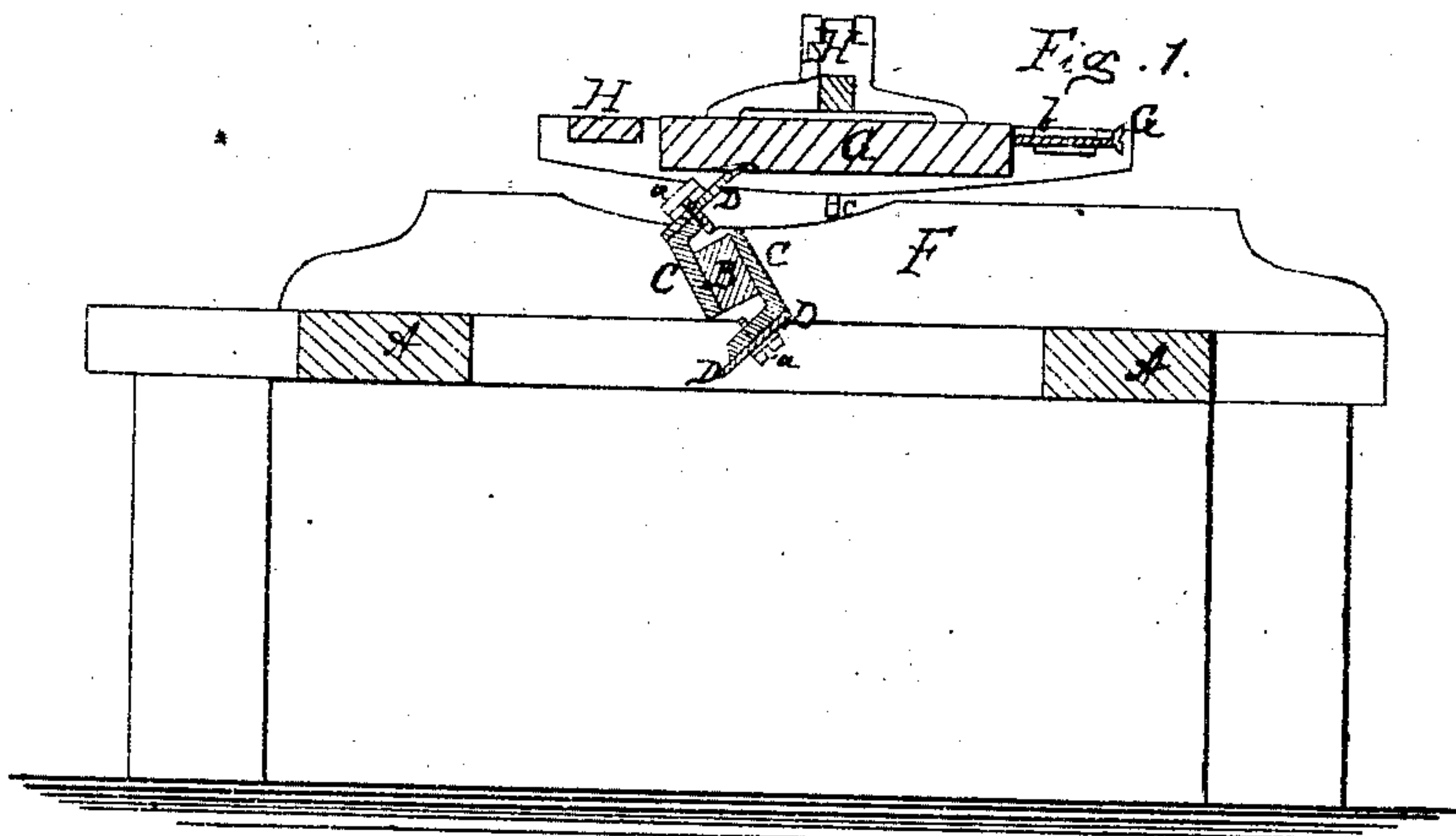


*H. Meyer,
Dressing Chair-Seats.*

Nº 76,226.

Patented Mar. 31. 1868.



*Witnesses.
H. C. Ashkettle.
J. A. Graw.*

*Inventor.
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per Munn & Co.
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United States Patent Office.

HENRY MEYER, OF GRAFTON, WISCONSIN.

Letters Patent No. 76,226, dated March 31, 1868.

IMPROVEMENT IN MACHINES FOR DRESSING CHAIR-SEATS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY MEYER, of Grafton, in the county of Ozaukee, and State of Wisconsin, have invented a new and improved Machine for Making Chair-Seats; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a vertical longitudinal section of my improved machine for making chair-seats.

Figure 2 is a vertical transverse section of the same.

Figure 3 is a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new machine for hollowing the upper surface of wooden chair-seats, and consists in the combination of a carriage, sliding on prepared rails, with a set-screw, by means of which the depth of the depression will be regulated, and with revolving cutters, which can be easily removed from the head, to be replaced by others of different shape, whenever desired.

The machine is so arranged that chair-seats of different shapes can be fitted thereon.

A, in the drawing, represents the frame of my improved machine. The same is made of wood, metal, or any other suitable material, of suitable size and shape. In it are the bearings for a horizontal driving-shaft, B, which receives rotary motion from suitable mechanism.

On the shaft B is mounted a cutter-head, C, on which cutters D are fastened, by means of screws *a a*, in such a manner that they can be easily removed. The cutting-edges of the cutters D are made convex, as shown in fig. 2, so that they will cut the required cavity easily in the face of the seat.

On the sides of the frame A are arranged parallel rails, E and F, the one straight and horizontal, the other, F, with a concave portion opposite the cutters, as is clearly shown in fig. 1.

G represents a carriage, resting on the rails E F, and adapted for holding the seat to be planed. The carriage is provided with a lever, H, for holding down the seat G', said lever being hinged to it, as indicated in fig. 3. By means of set-screws, *b b*, the position of the seat on the carriage can be regulated.

The support of the carriage on the rail F consists of a set-screw, *c*, fitted into the under side of the carriage, as shown in figs. 1 and 2. By making the screw *c* project more or less from the carriage, the cavity cut into the seat can be made more or less shallow, and of lesser or greater length.

By the concave track F, the seat is fed so that the cavity will taper off towards the sides.

The carriage is moved by hand, or otherwise, so that the seat will be fed above the cutters, which, by the shape of their cutting-edges, determine the form of the cavity cut into the lower face of the seat, which is the upper face of the same when attached to a chair.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The guides E F, the latter provided with the concave upper edge, whereby, as the carriage G is reciprocated, a rising and falling motion is imparted to it, by which the depression in the chair-seat is cut, all arranged and operating as described.

HENRY MEYER.

Witnesses:

JACOB WERLE,
RUD. SCHMIDT.