

D. U. Stoner
Chases & Rules.
N^o 87,723. Patented Mar. 9, 1869.

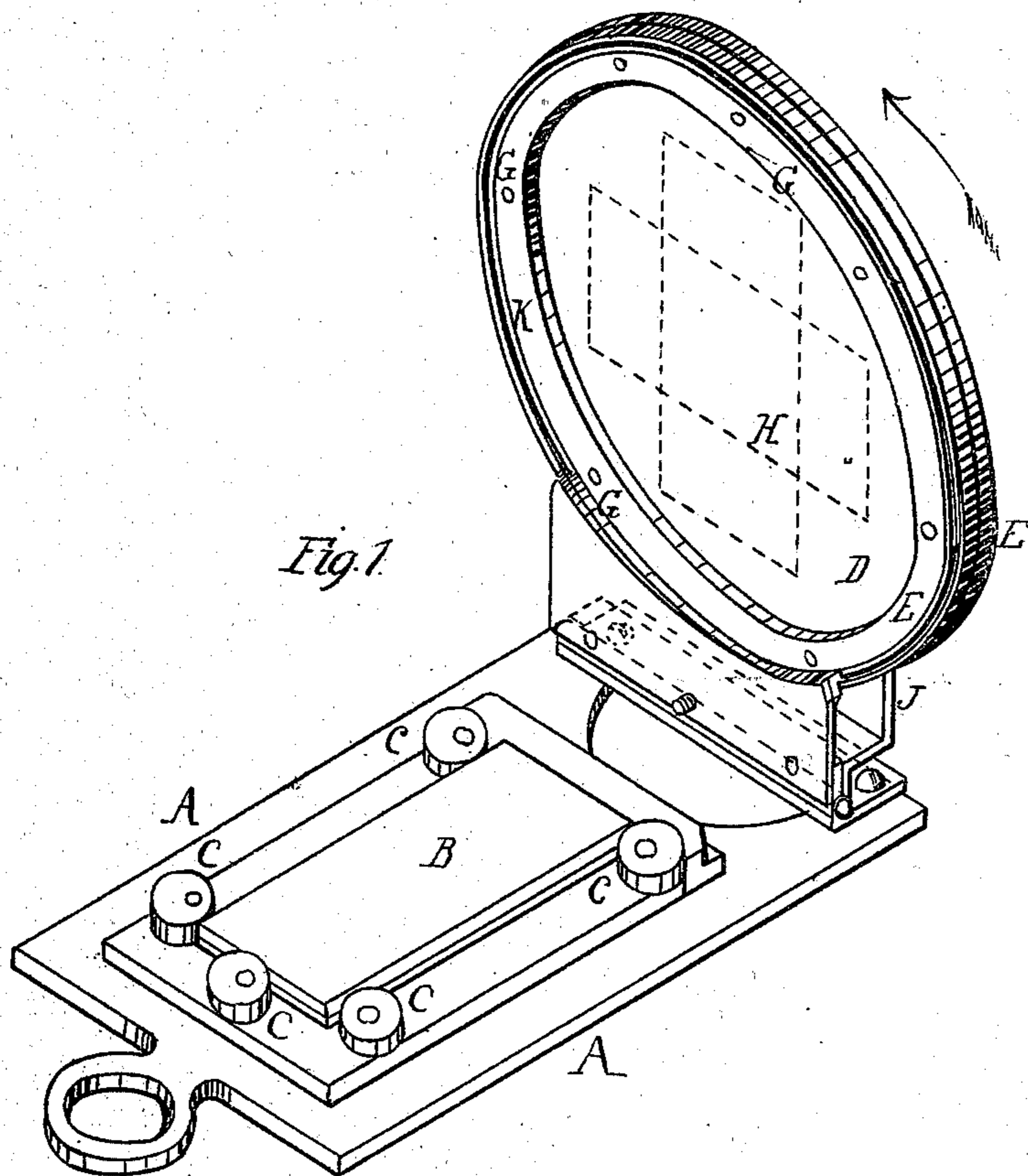


Fig. 1

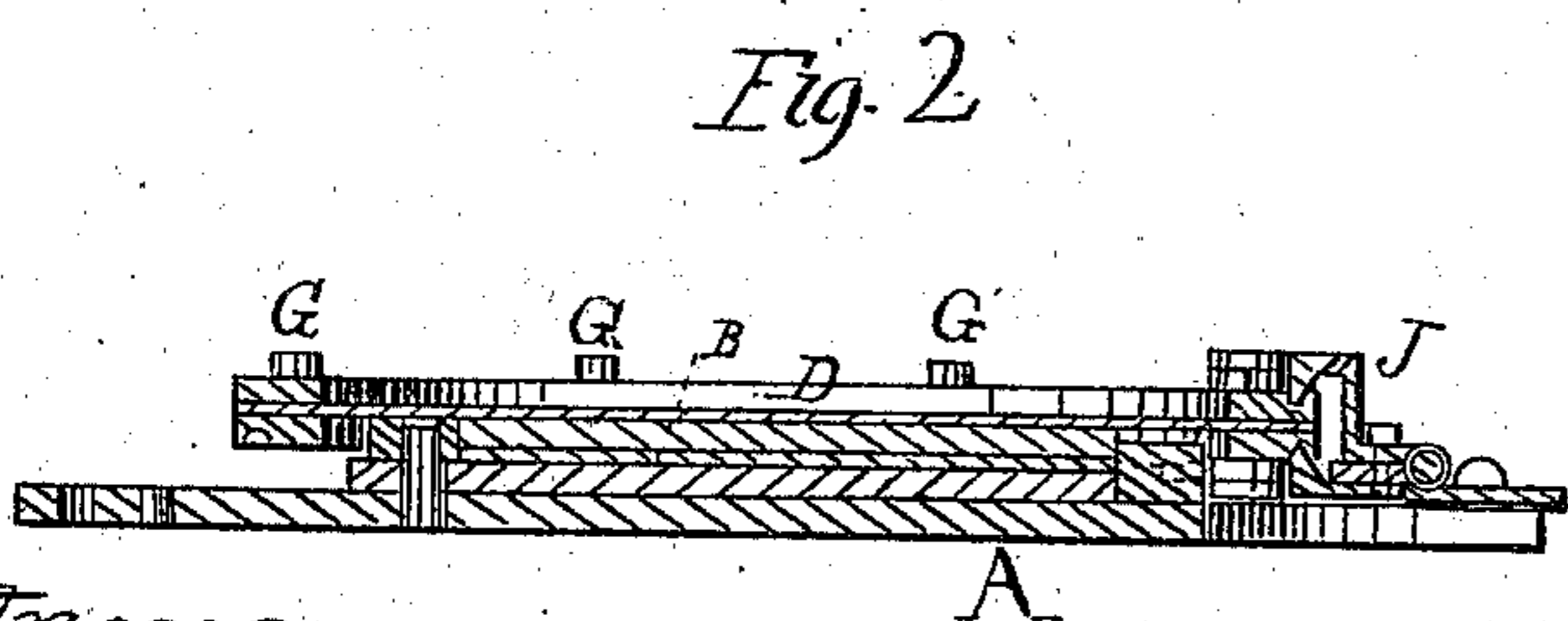


Fig. 2

Witnesses:

John W. Farber
Daniel Bred

Inventor.

By his Atty J. F. Reigart



DAVID U. STONER, OF MOUNT JOY, PENNSYLVANIA.

Letters Patent No. 87,723, dated March 9, 1869.

IMPROVEMENT IN TYMPAN-FRAMES FOR PRINTING-PRESSES.

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, DAVID U. STONER, of Mount Joy, county of Lancaster, and State of Pennsylvania, have invented "a new and improved Chase for Printing-Presses;" and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a perspective view of the chase, when open.

Figure 2, a cross-section of the same when closed.

The nature of my invention consists in the adjustable circular rubber frame, movable upon a circular hinge, and attached to a square movable chase, for the purpose of printing small notes or engravings.

The object is to save the rubber from wearing out during the printing-operation, as, by the use of the square rubber, striking the lower plate at each impression, the rubber soon wears out, and is cut through by the edges of the lower plate coming in contact with the rubber immediately on the same line; but, by my invention, at each impression the rubber and circular frame is slightly turned by the fingers of the operator, and the edges of the lower plate do not come in contact with the same line of the previous impression, thus finding new lines at every impression. As the circular rubber frame is revolving, the lines are continually being crossed upon the rubber.

The round rubber will print four thousand eight hundred and fifty, (4,850,) while two square rubbers, which are equal in surface to one round one, will print but six hundred, (600.) I have carefully tested the printing-operation, and discovered this result, that the round rubber prints eight times as many as the square one,

saving seven thousand dollars out of every eight thousand dollars expended for rubbers.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A represents the square frame of an ordinary printing-chase, that is raised and lowered with a hinge.

B represents the printing-plate, upon which the letters or design to be printed is engraved, and upon which the paper is placed to be printed upon.

The eccentric-rollers C C, like set-screws, hold the plate B to its place.

When the note or paper is placed upon the plate B, the circular rubber, D, is lowered down upon it, and pressed, when the impression is made upon the paper, and the circular rubber, D, is raised, and then, slightly revolved by the fingers, is lowered again for another press.

E E are two flat rings, that form the rubber frame, between which the rubber, D, is placed, and fastened together by screws G G.

The red lines H, in the centre of the rubber, D, show the lines impressed upon it by the edges of the plate B.

The circular hinge J has two flanges, that move in a groove, K, one on each side of the rings E, to enable the rubber frame to be accurately revolved.

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

The circular rubber frame E D, made adjustable, and attached to the chase, substantially as and for the purpose set forth.

Witnesses:

J. FRANKLIN REIGART,
EDM. F. BROWN.

D. U. STONER.