

R. B. HINDLE.
Book-Supports.

No. 140,369.

Patented July 1, 1873.

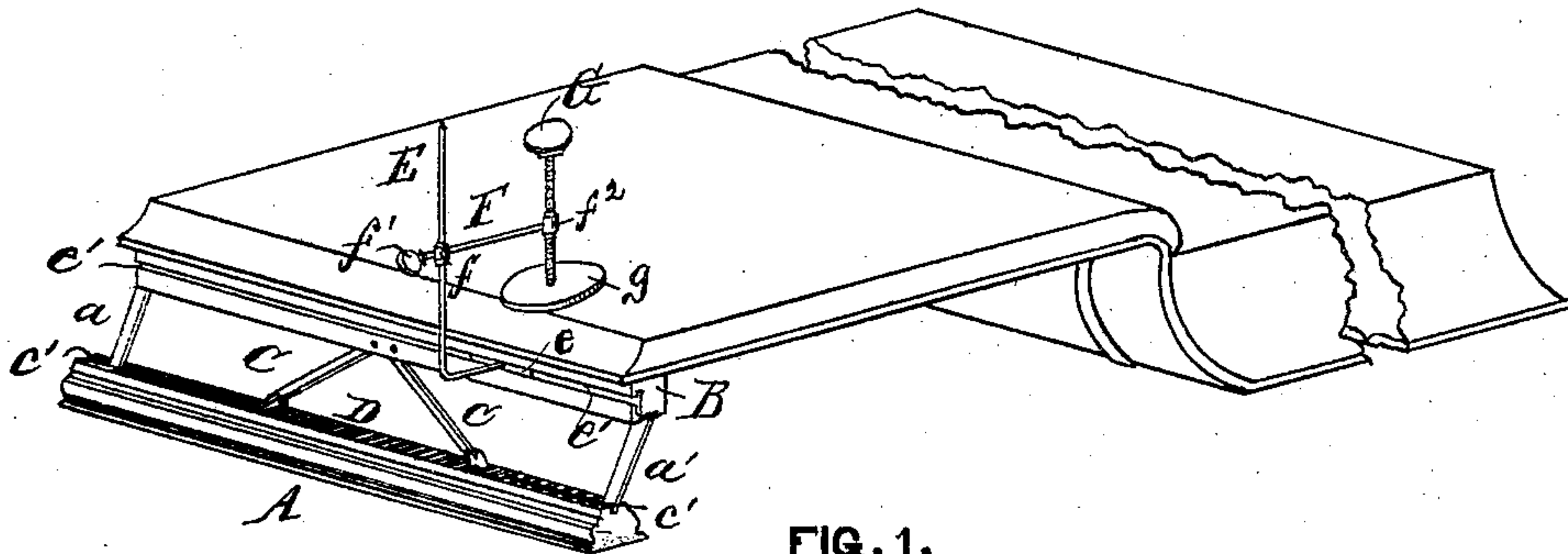


FIG. 1.

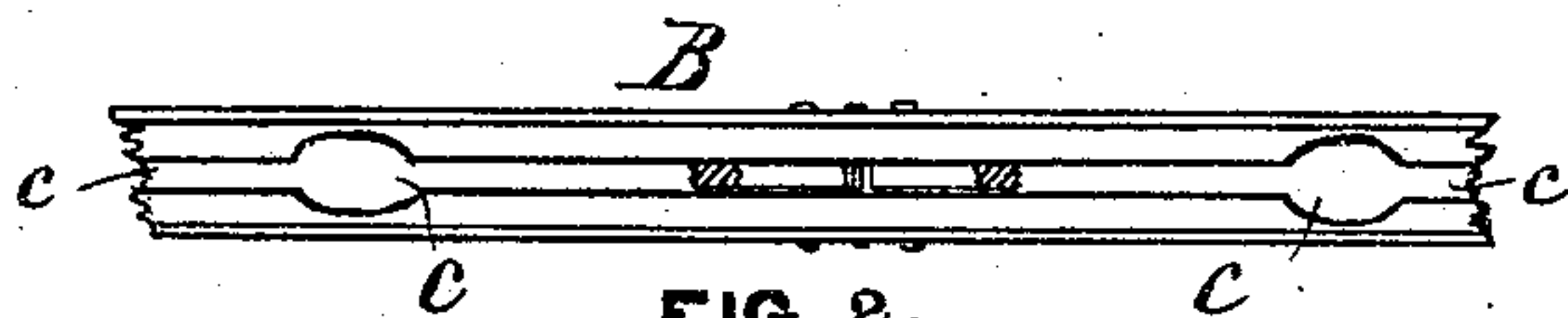


FIG. 2.

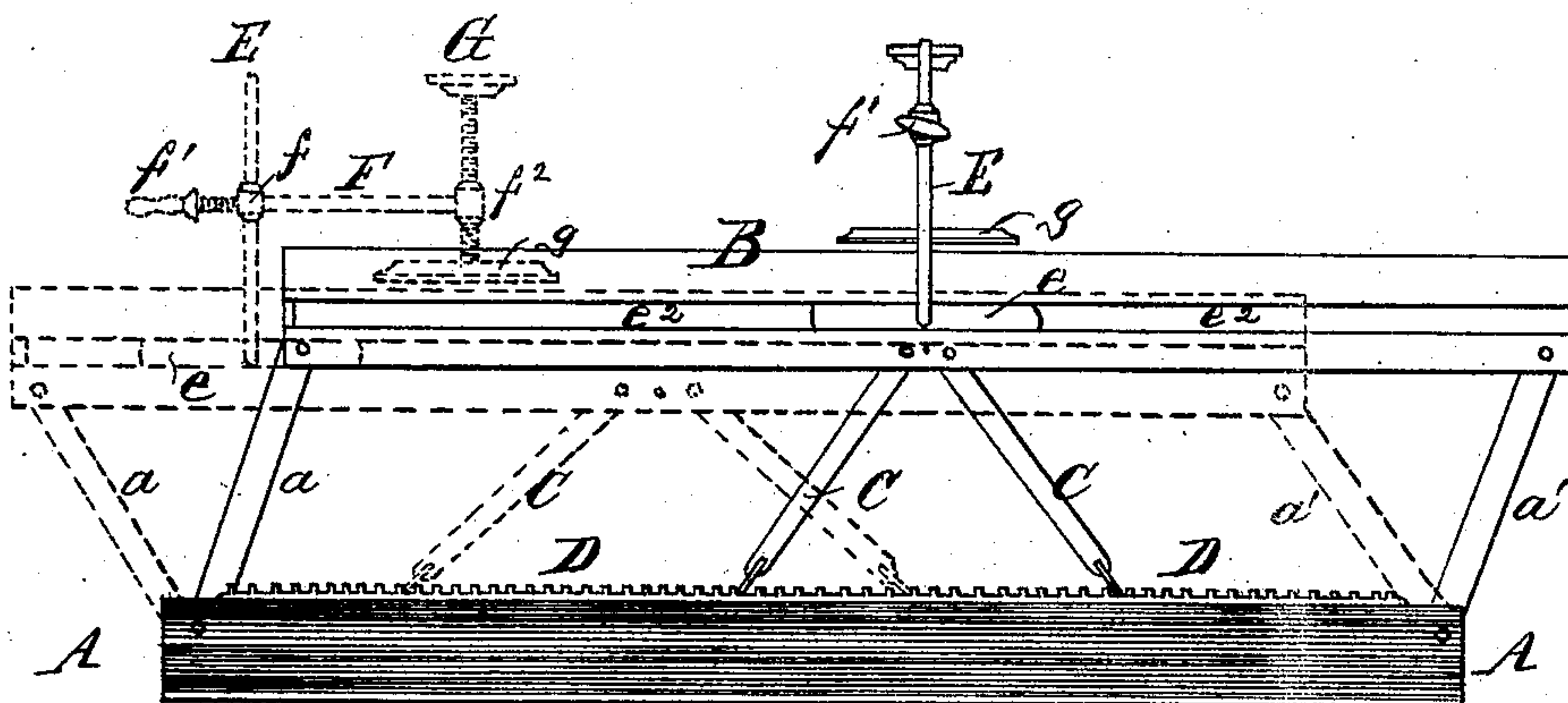


FIG. 3.

WITNESSES:

Charles Meisner.
J. W. Herthel.

INVENTOR:

Robert B. Hindle
per. Herthel & Co.

Attys.

UNITED STATES PATENT OFFICE.

ROBERT B. HINDLE, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN BOOK-SUPPORTS.

Specification forming part of Letters Patent No. **140,369**, dated July 1, 1873; application filed November 29, 1872.

To all whom it may concern:

Be it known that I, ROBERT B. HINDLE, of St. Louis, in the county of St. Louis and State of Missouri, have made a certain new and useful Improved Book-Support; and I do hereby declare that the following is a full and true description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature thereof relates in forming an improved book-support and holder to consist of the combination of a standard, pivot-arms, supporting-bar, locking device, and adjustable holder, constructed and arranged to operate as will hereinafter more fully appear.

To enable those herein skilled to make and use my said improvements, I will now more fully describe the same, referring to—

Figure 1 as a perspective view, showing the instrument in application and use. Fig. 2 is a sectional detail, showing groove in adjusting-bar. Fig. 3 is a side elevation of book support and holder, also indicating adjustability by dotted lines.

The invention can be formed of wood or metal.

A represents a standard with widened base so as to form a firm support. The standard A is united at its ends to a supporting-bar, B, by means of pivoted arms *a a'*. Thus the supporting-bar B can be adjusted from vertical height in rectangular form to entirely close on top of the standard A. In order, however, to firmly secure the supporting-bar B to any position within its range of adjustment, I have provided said bar with swinging arms C. Further, the swinging arms C are fitted to engage a rack, D, with which the top face of standard is provided. (See Figs. 1 and 3.) The supporting-bar B, thus locked in any adjusted position, forms a firm bearing for the back or open part of book to rest upon. (See Fig. 1.) It will be noticed that the opened part of book is supported not partially, but its entire length. To entirely rest the support-

ing-bar B on top of standard A, the swinging arms C are allowed to close in a groove, *c*, which extends the entire length. Similarly, the top of standard A has a partial groove, *c'*, at both ends to allow for closing action of the pivoted arms *a a'*. (See Figs. 1 and 3.) A most durable, reliable, and readily-adapted book-support is thus formed, holding the open part of book perfectly level and in an accommodating manner for the user.

With the book-support described a holder is provided, as follows: E is a round upright, bent as shown, and carrying a slide, *e*, which is fitted to slide in the side grooves *e¹ e²* formed in either one or both sides of the supporting-bar shown in Figs. 1 and 2. The object of thus sliding the upright E is to carry its tightening devices to any position in the length of the supporting-bar. F is an arm, which, by its sleeve *f*, slides on the upright E, and can be adjustably secured thereto by its set-screw *f¹*. At its end the arm F carries a threaded sleeve, *f²*, in which operates a proper set-screw, G. This carries a swivel-foot, *g*, clearly shown in Figs. 1 and 2. By means of its sleeve *f* the arm F swings freely on its upright, thus enabling the user to place and secure set-screw device on the page of book so as not to incommode.

Having thus fully described my said invention, what I claim is—

An improved book-support and holder consisting of the combination of upright E, slide *e*, swinging arm F, set-screw G, swivel-foot *g*, supporting-bar B, grooves *e¹ e²*, pivoted arms *a a'*, rack D, swinging arms C, and standard A, all constructed to operate as and for the purpose set forth.

In testimony of said invention I have hereunto set my hand.

ROBERT B. HINDLE.

Witnesses:

WILLIAM W. HERTHEL,
A. J. HEATH.