

(No Model.)

W. McCARTHY.
ADJUSTABLE HINGE.

No. 444,455.

Patented Jan. 13, 1891.

FIG. 1.

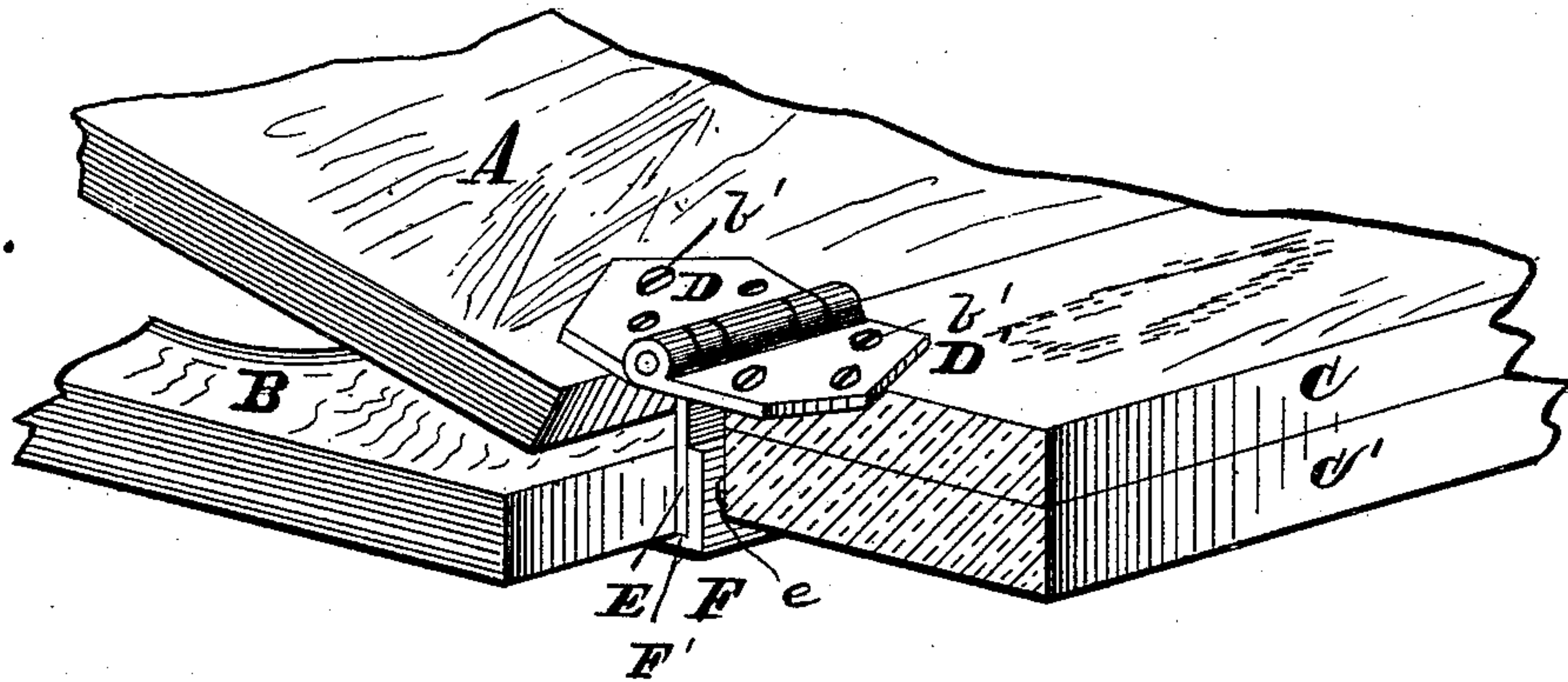


FIG. 2.

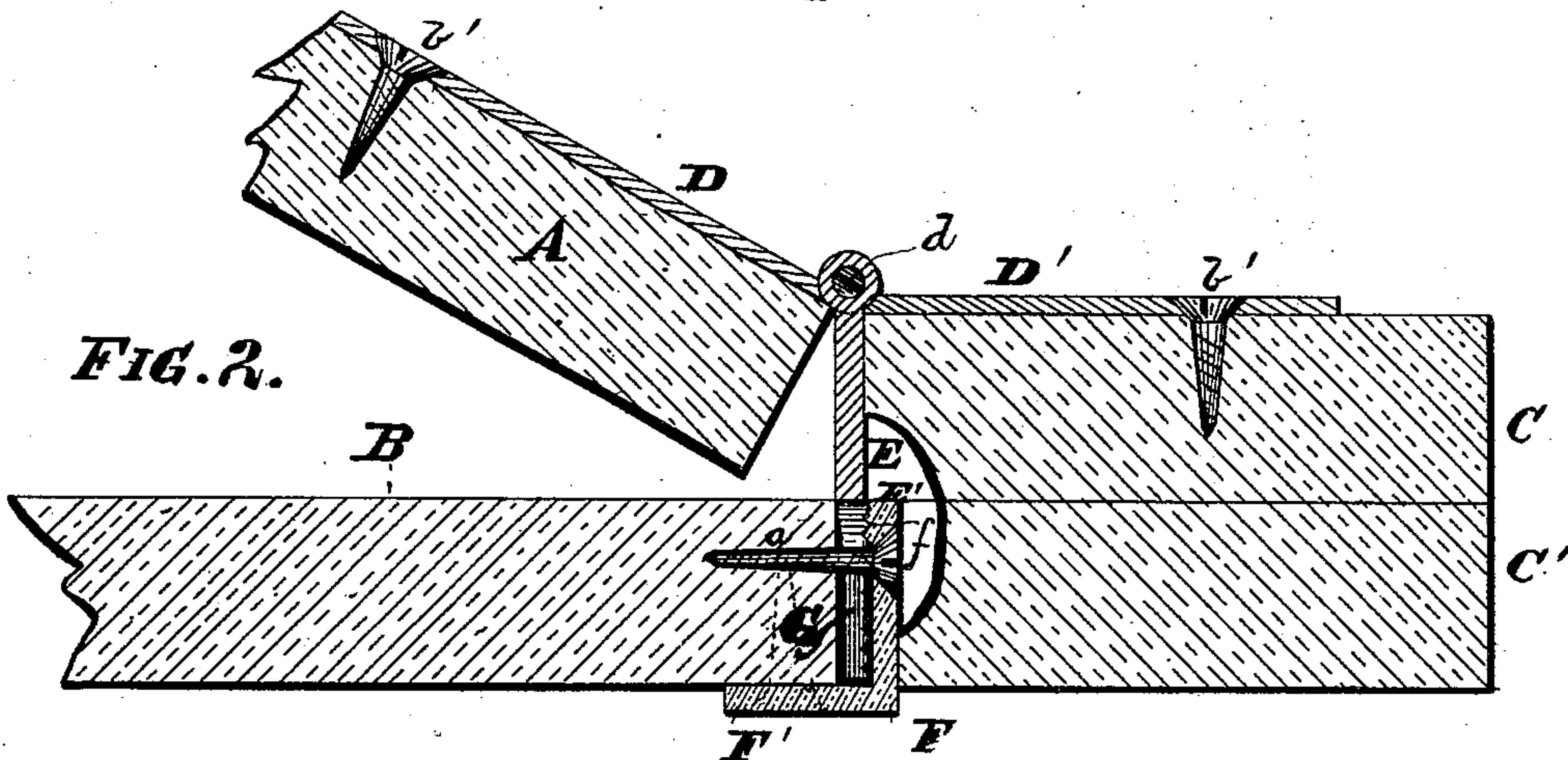


FIG. 3.

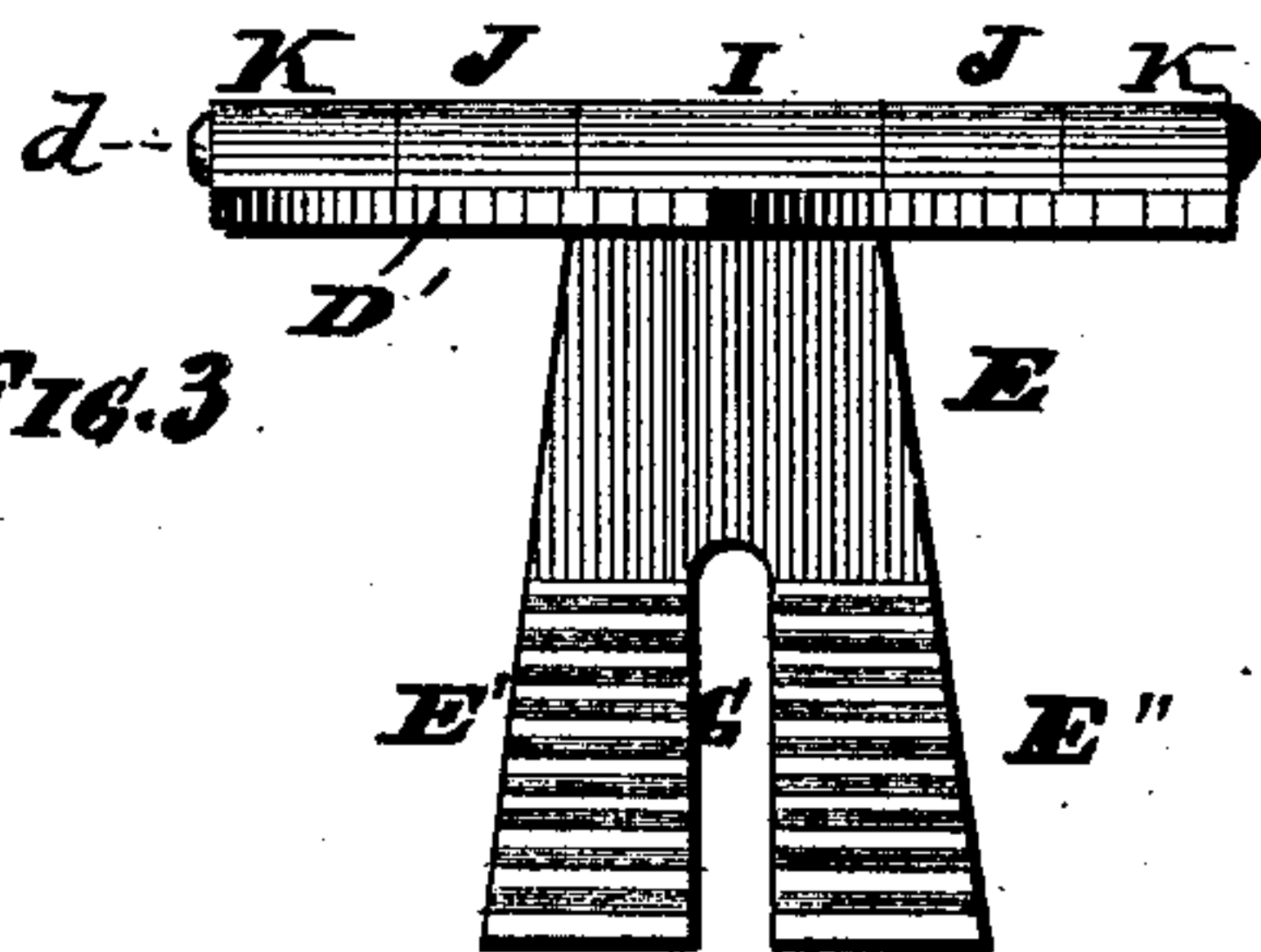
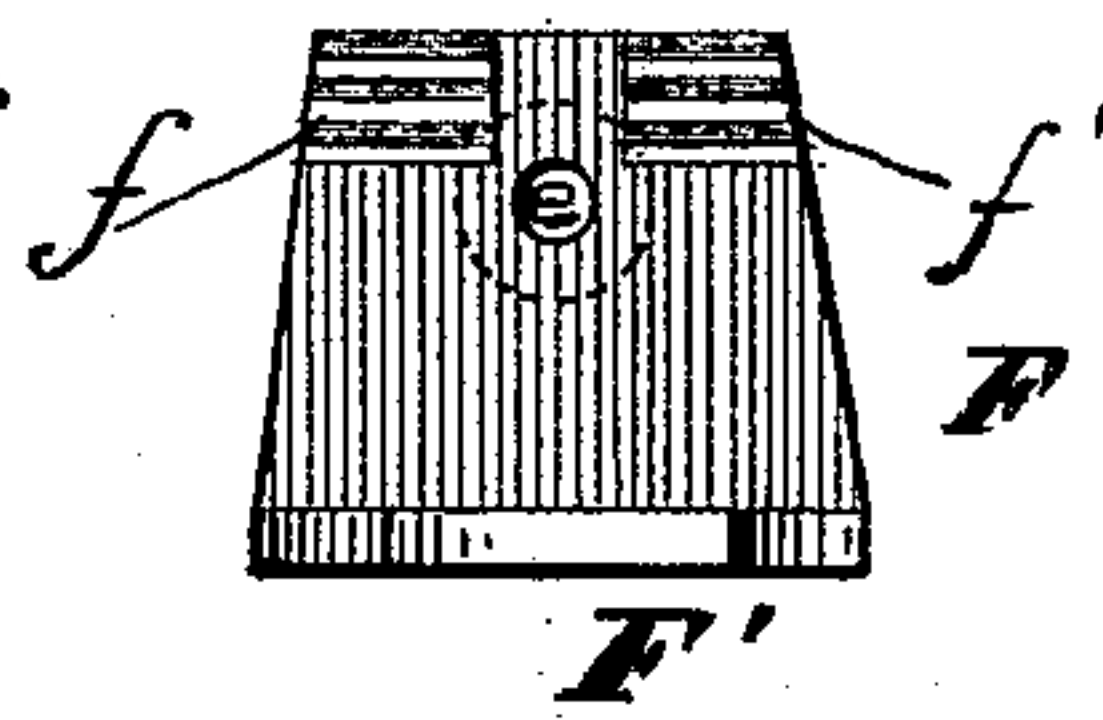


FIG. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM MCCARTHY, OF BUFFALO, NEW YORK, ASSIGNOR OF ONE-HALF
TO HENRY GARONO, OF SAME PLACE.

ADJUSTABLE HINGE.

SPECIFICATION forming part of Letters Patent No. 444,455, dated January 13, 1891.

Application filed October 15, 1890. Serial No. 368,183. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MCCARTHY, of Buffalo, in the county of Erie and State of New York, have invented certain new and
5 useful Improvements on a Water-Closet Seat and Cover-Hinge Combined; and I do hereby declare that the following description of my said invention, taken in connection with the accompanying sheet of drawings, forms a
10 full, clear, and exact specification, which will enable others skilled in the art to which it appertains to make and use the same.

This invention has general reference to an adjustable water-closet-seat hinge; and it consists, essentially, in the novel and peculiar
15 combination of parts and details of construction, as hereinafter first fully set forth and described, and then pointed out in the claims.

In the drawings hereinbefore referred to,
20 Figure 1 is a perspective view of a portion of a water-closet seat and cover fitted with my improved adjustable hinge. Fig. 2 is a longitudinal vertical section of the same. Fig. 3 is a plan of the hinge, the removable and
25 adjustable portion thereof being removed and illustrated in Fig. 4.

Like parts are designated by corresponding letters of reference in all the figures.

The object of this invention is the production of an adjustable hinge for water-closet
30 seats and covers, whereby seats and covers of varying thicknesses may be supplied with my hinge, all as will now be more fully described.

A in the drawings designates the seat-cover, and B the seat, of a water-closet.

C C' are two cleats, to which the seat and cover, respectively, are hinged by a set of three-leaf hinges, Figs. 1 and 2, each of which consists of two similar leaves D D', having
40 apertures for the passage of screws b', by means of which the leaf D is secured upon the top of the cover A and the leaf D' upon the top of the cleat C. A downwardly-pending leaf E is secured to the edge of the cover
45 B, as hereinafter to be referred to.

The leaf D, before mentioned, has two knuckles J, the leaf D' has two outer knuckles K, and the leaf E has but one knuckle, fitting between those of the leaf D, a pintle d
50 being passed through all the knuckles to hold the parts together.

Upon the face of the leaf E are formed a series of serrations E' E'', while through this leaf is a slotted aperture G. There is secured to this leaf an adjusting-piece F, having a
55 projecting lug F' at right angles to its face, which lug bears upon the under side of the seat B, and is secured thereto by a screw passing through said lug, as shown in dotted lines in Fig. 2. In the face of this adjusting-
60 piece are two or more projections f f'', corresponding to the serrations in the face of the leaf E, so that a screw a, Fig. 2, passed through an aperture e, Fig. 4, in said adjusting-piece and the slotted aperture G in the
65 leaf E will hold the said adjusting-piece, together with said leaf E, securely to the seat B.

It will now be readily observed that by the introduction of the adjusting-piece F, I am enabled to fit this hinge to any thickness of
70 seats, (of course within the compass of the slotted aperture G,) which usually vary from seven-eighths of an inch to one and three-eighths inch in thickness, thereby enabling
75 the use of this hinge on all water-closet seats without compelling me to manufacture several sizes to accommodate the various thicknesses of such seats. The object of the lug
80 F' on the hinge is to carry the weight of the seat and to keep the serrations on the leaf and its adjusting-piece in proper contact.

In the manufacture of the seat and cover I prefer to produce these two parts long enough so that the cleats C C' may be sawed
85 from the same, though this construction is optional, and, if preferred, separate pieces may be produced, or one single piece of proper width and thickness may be arranged to take the place of the cleats C C' without departing from my invention.

Having thus fully described my invention, I claim as new and desire to secure to me by Letters Patent of the United States—

1. The adjustable water-closet-seat hinge hereinbefore described, consisting, essentially, of two similar top leaves and of a third
95 leaf at right angles to said top leaves, the latter being constructed of two parts adjustably secured together, whereby said third leaf may be lengthened or shortened to fit different
100 thicknesses of the seat, as described.

2. In a water-closet hinge, the combination,

with the two substantially similar top leaves,
of an adjustable third leaf hinged to the pin-
tle of the top leaves and provided with slot-
ted apertures and serrations, and the adjust-
5 able hinge-piece having an aperture and ser-
rations and a projecting lug, as described,
said adjustable piece being adapted to be se-
cured to the third leaf, as and for the object
specified.

10 3. An adjustable water-closet-seat hinge
consisting, essentially, of two similar leaves
having knuckles, and a pintle, as described, to
connect these leaves, and a third leaf con-

nected centrally to the pintle between the
knuckles of the two leaves, said third leaf 15
being composed of two parts secured to-
gether face to face and provided with a lock
to retain them in proper position, as and for
the object stated.

In testimony that I claim the foregoing as 20
my invention I have hereto set my hand in
the presence of two subscribing witnesses.

WILLIAM MCCARTHY.

Attest:

MICHAEL J. STARK,
WM. O. STARK.