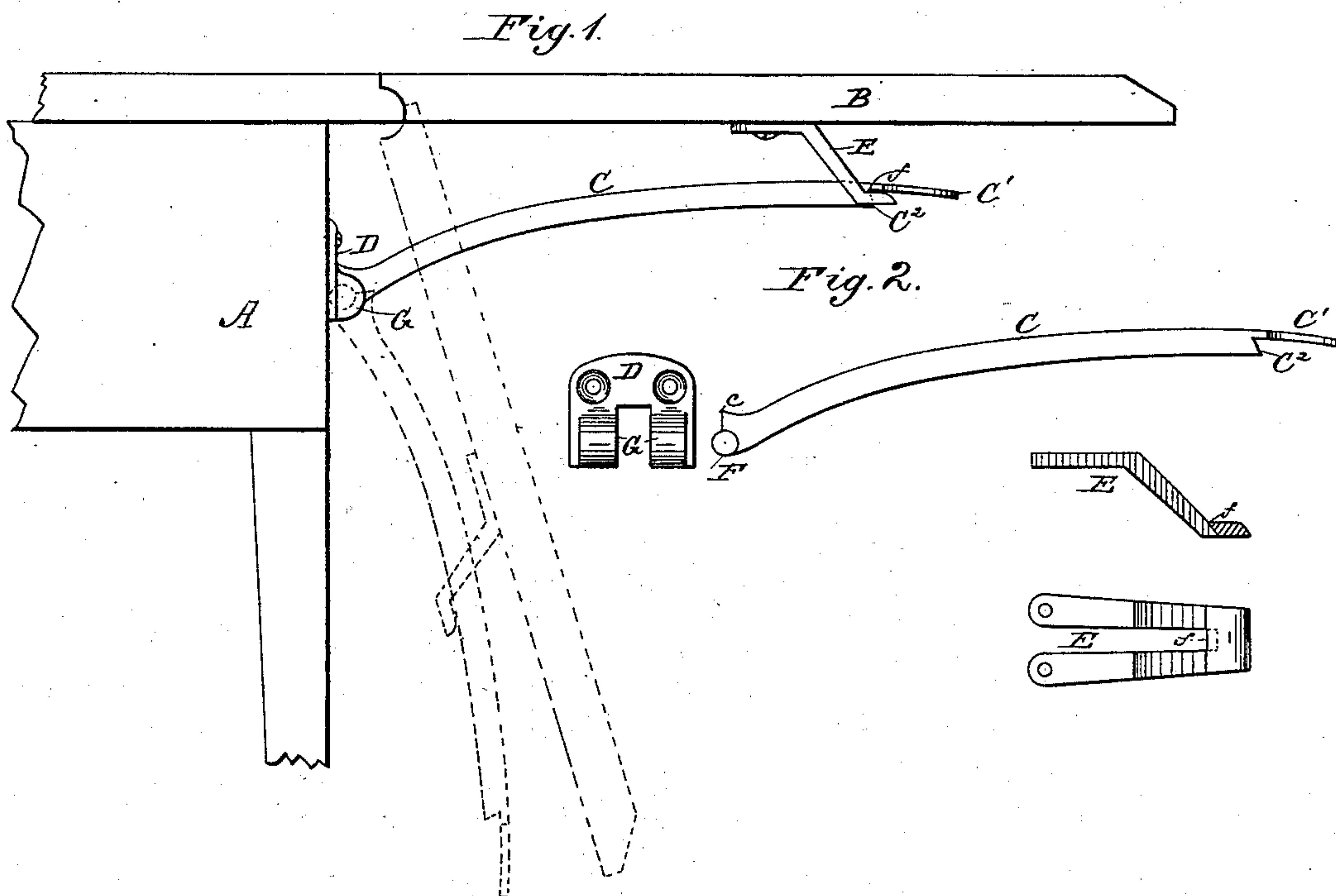


(No Model.)

W. KLINE.
TABLE LEAF SUPPORT.

No. 264,306.

Patented Sept. 12, 1882.



Witnesses;
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UNITED STATES PATENT OFFICE.

WILLIAM KLINE, OF PIQUA, OHIO.

TABLE-LEAF SUPPORT.

SPECIFICATION forming part of Letters Patent No. 264,306, dated September 12, 1882.

Application filed April 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM KLINE, a citizen of the United States, residing at Piqua, in the county of Miami and State of Ohio, have
5 invented certain new and useful Improvements in Table-Leaf Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The invention consists in the construction
15 and combination of parts, which will hereinafter be more fully described, and then pointed out in the claim.

In the accompanying drawings, Figure 1 is a side elevation of my leaf-supporting device,
20 the leaf being in a horizontal position, and dotted lines illustrating the position of the parts when the leaf is being dropped. Fig. 2 is detached views of the supporting device and means for hanging the same.

25 The letter A designates the table-frame, and B a falling leaf hinged to the table-top in any approved manner.

In the construction shown in Figs. 1 and 2 all the parts comprising the leaf-supporting
30 device are made of metal, and they consist of the curved brace or arm C, the plate D for hanging the same to the rail of the table, and the bracket E, secured to the under side of the table-leaf. The brace has a trunnion or gud-
35 geon, F, at its lower or inner end, which enters and turns in bearings or sockets G of the plate D. A shoulder, *c*, made on the brace above said trunnion, serves to bear upon the face of the plate D, so as to insure the neces-
40 sary rigidity and strength of the various parts when the leaf is in a horizontal position. The outer or upper end of the brace C terminates in a handle or finger-piece, C', and an obliquely-cut shoulder or offset, C², extending in a down-
45 ward direction at the inner end of said finger-piece, constitutes the locking-surface, which engages with a correspondingly beveled or oblique surface on the bracket E. This bracket
50 is made of an angular form, and is slotted for the passage of the brace or supporting-arm.

The upper portion of the bracket is horizontal, and has openings for the passage of wood-screws, that serve to secure it to the leaf, and from said horizontal portion extends an oblique middle portion, which terminates in a horizontal bottom bar having the oblique or beveled
55 shoulder *f*, already referred to, for engaging with the shouldered brace.

The operation of a leaf-supporting device constructed as above described is as follows, 60
viz: Assuming the leaf to be in a horizontal and locked position, an upward pressure of the finger-piece upon the end of the brace will release the same from the bracket on the leaf and cause the latter to drop. As the bracket is
65 slotted and the brace curved, it necessarily follows that the bracket is free to slide on the brace in the manner indicated in Fig. 1 of the drawings. In order to lock the leaf in a horizontal position, it is raised until the shoulder on the
70 brace engages with the corresponding shoulder on the bracket, when the parts are firmly locked. Any downward pressure upon the table-leaf will only tend to lock the parts more firmly, as the entire strain or thrust is borne
75 by the oblique locking-surfaces and the inner shoulder bearing upon the plate on the table-frame.

I am aware that it is not broadly new to support a falling table-leaf in a horizontal posi-
80 tion by means of a curved arm pivoted to the table-frame and adapted to engage with a locking device on the under side of the leaf.

Having thus described my invention, what I claim as new, and desire to secure by Let-
85 ters Patent, is—

The leaf-supporting arm or brace C, having the outer handle, C', and oblique shoulder C², and the inner journal, F, and shoulder *c*, in combination with the bearing-plate D on the
90 table-frame and the slotted bracket E on the falling leaf, having an oblique-faced transverse bar, as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM KLINE.

Witnesses:

CHRISTIAN FOREMAN,
JAMES H. HATCH.