

(No Model.)

W. S. BROWN.

SWING.

No. 333,054.

Patented Dec. 22, 1885.

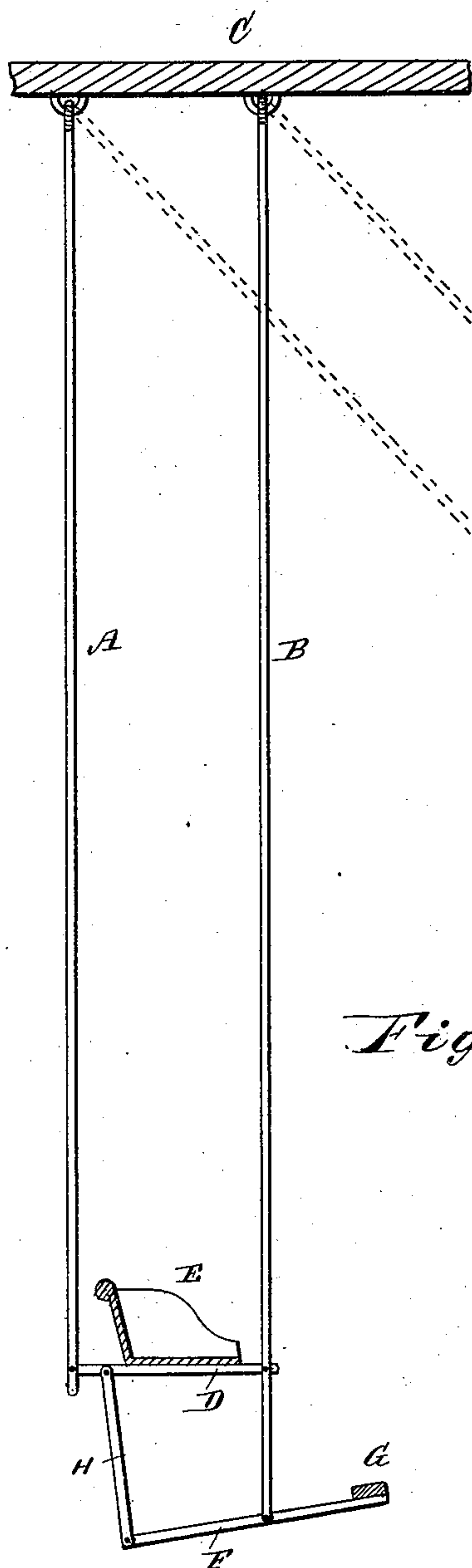
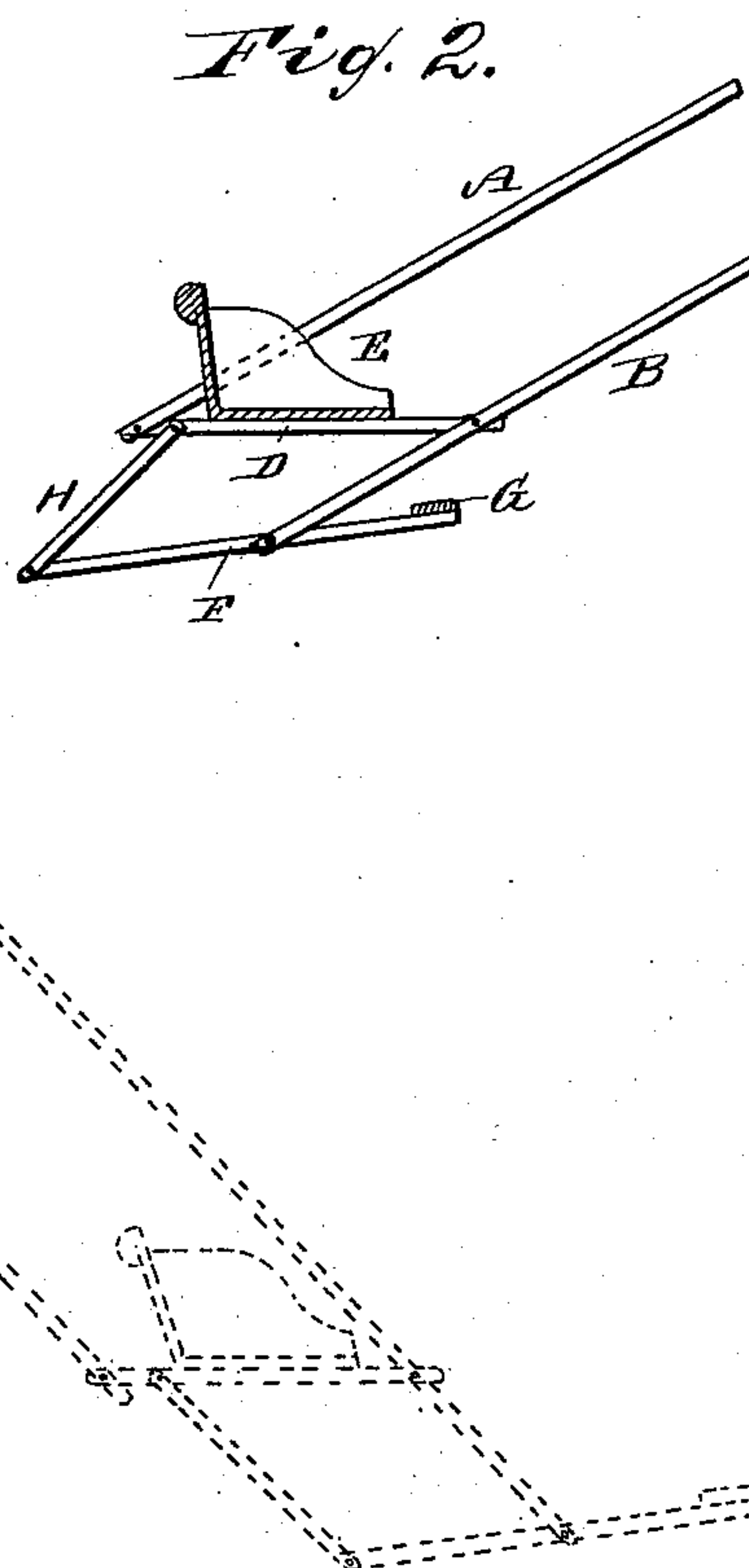


Fig. 1.



WITNESSES :

Geo. G. Foster.
 C. Sedgwick.

INVENTOR:

W. S. Brown

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM S. BROWN, OF PINE HILL, KENTUCKY.

SWING.

SPECIFICATION forming part of Letters Patent No. 333,054, dated December 22, 1885.

Application filed October 25, 1884. Serial No. 146,460. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. BROWN, of Pine Hill, in the county of Rock Castle and State of Kentucky, have invented a new and
5 Improved Swing, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved swing, which is simple in construction and in which the seat is always
10 level.

The invention consists of the combination of parts and their construction, substantially as hereinafter fully set forth, and pointed out in the claim.

15 Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

20 Figure 1 is a longitudinal sectional elevation of my improved swing at rest. Fig. 2 is a sectional view of the lower part of the same swung back.

25 The rear rods, A, and two front rods, B, are pivoted or otherwise hung on the ceiling C or other overhead support, the front rods, B, being longer than the rear rods. The rods of each pair of front and rear rods are connected by a cross-rod, D, on which two cross-bars D the seat E is secured. To the lower end of
30 each rod B a lever, F, is pivoted, the front ends of which are connected by a foot-board,

G. To the inner end of each lever F a link, H, is pivoted, the upper end of which is pivoted to the corresponding bar D a short distance from the rear end of the same. By pressing with the feet on the foot-board G the center of gravity is shifted to the right or forward, and the swing is swung to the right or forward, and when the pressure of the foot is removed the swing swings to the left or backward. By then bringing pressure on the foot-board again the swing is swung to the left, and so on alternately.

When the swing is once in motion, but little power is required to operate it. The seat
45 at all times remains horizontal.

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

In a swing, the combination, with the swinging rods A B, of the seat-bars D, uniting them, 50 the levers F, pivoted to the lower ends of the rods B a short distance below the point of connection with said rods B of the seat-bars D, the foot-board G, uniting the levers F at their front ends, and the links H, pivoted to the rear ends of the levers F and to the bars D near the rear ends of the same, substantially as herein shown and described.

WILLIAM S. BROWN.

Witnesses:

JABEZ R. CROOKE,
WILLIAM P. CROOKE.