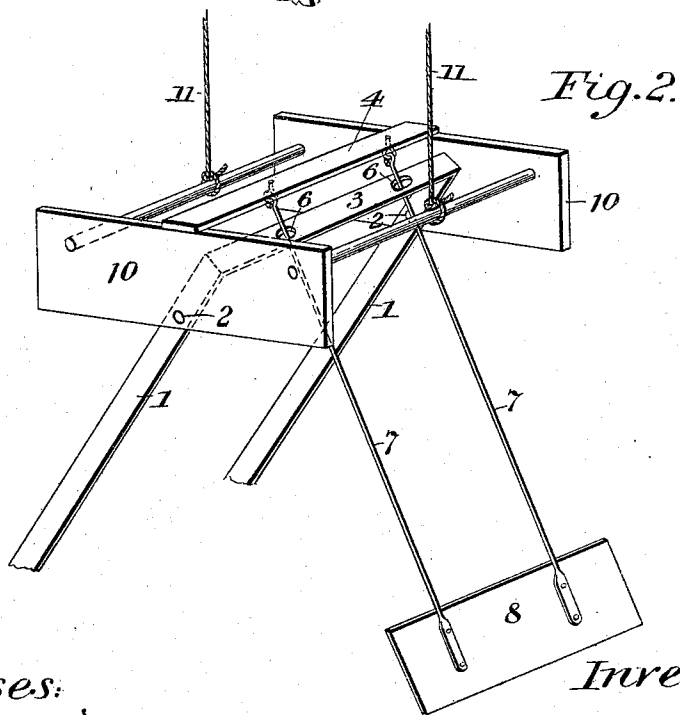
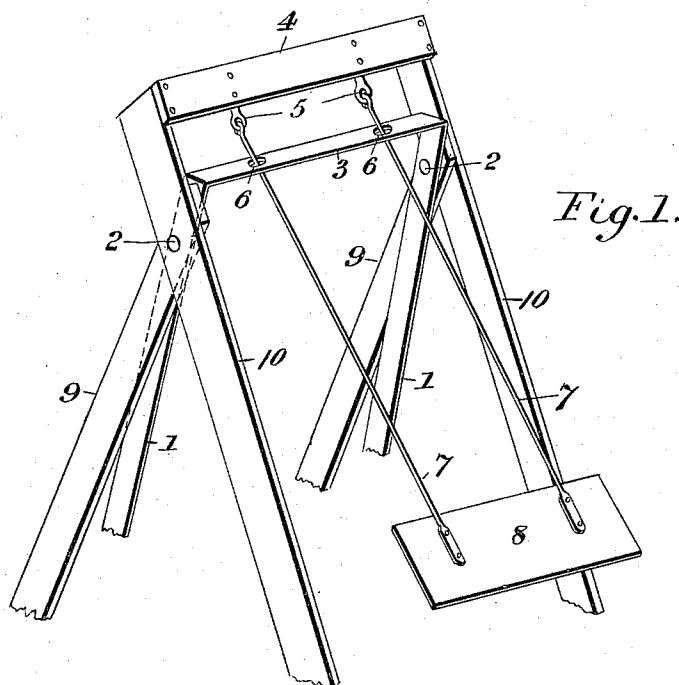


(No Model.)

C. M. SHERER.
FAN ATTACHMENT FOR SWINGS.

No. 533,149.

Patented Jan. 29, 1895.



Witnesses:
Silas Gavin
Birdie Gavin

Inventor:
C. M. Sherer.

UNITED STATES PATENT OFFICE.

CHARLES M. SHERER, OF LAWRENCE, KANSAS.

FAN ATTACHMENT FOR SWINGS.

SPECIFICATION forming part of Letters Patent No. 533,149, dated January 29, 1895.

Application filed March 23, 1894. Serial No. 504,880. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. SHERER, a citizen of the United States, residing at 1332 Kentucky street, in the city of Lawrence, in the county of Douglas and State of Kansas, have invented certain new and useful Improvements in Fan Attachments for Swings, of which the following is a specification.

The objects in view are to provide a simple and cheap attachment adapted to fan the occupant of a swing during the oscillation of the swing; to provide an attachment that may be geared so as to move at a high rate of speed at the moment it passes the swing, and yet not pass through a large arc.

With these and other objects in view, the invention consists in features of construction hereinafter specified and particularly pointed out in the claim.

I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figures 1 and 2 illustrate the attachment referred to above, fitted to different sorts of supports; the portable support shown in Fig. 1, to be set up anywhere, consisting mainly of four standards 9, 9, 10, 10, and the upper cross-piece 4; the stationary support shown in Fig. 2, to be suspended by the ropes 11, 11 from trees or the roofs of porches, &c., consisting mainly of the beams 10, 10 and the cross-piece 4.

Similar numerals refer to similar parts in both figures.

The two swing supports 1 and 1 are connected to the frame by a bearing at 2, and to the swing at their lower end. At their upper end the cross-piece 3 is connected to them. When the swing is in motion, the cross-piece 3 will always move in the direction contrary to that the swing moves in, as is obvious; and, by the fan-handles 7, 7 passing through the cross-piece, or driver, 3 at 6 6 and being hinged

to the fixed cross-piece of the frame 4 at 5, 5, while the other end of the fan-handles 7, 7 is free, the driver 3 will, when oscillating, cause the fan-handles 7, 7 to move with it to and fro in the direction contrary to that the swing moves in; and the fan 8 being fastened to the free end of the fan-handles 7, 7, the fan 8 will swing in the direction contrary to that the occupant of the swing moves, and, as is obvious, will fan him. It is also obvious, that, no matter to how high a speed the fan 8 is geared to run the moment it passes the swing, the driver 3 can never move the fan 8 in an arc so large as a half circle; and it is obvious the occupant of the swing would derive no benefit from air thrown off from the fan in other than a downward direction, that a needless amount of motion on the part of the fan makes a swing needlessly hard to operate, that when a fan oscillates through a large arc—especially if it be more than a half circle—its movement is liable to be interfered with by any shelter the swing may be under.

I herein use swing in the broad sense of swinging support, whether it be an ordinary seat, a cradle, a hammock, or so on; as it is obvious any of them may run the fan, and that such a use of the fan would be according to the spirit of my invention and in conformity with the present specification.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination, in fan attachments for swings, &c., of a fan 8 fastened to the fan-handles 7, 7 which are hinged at 5, 5 to the support, with the driver 3 dependent on the swing supports 1, 1, substantially as shown, for the purpose specified.

CHAS. M. SHERER.

Witnesses:

SILAS CAVIN,
HAGAR D. CAVIN.