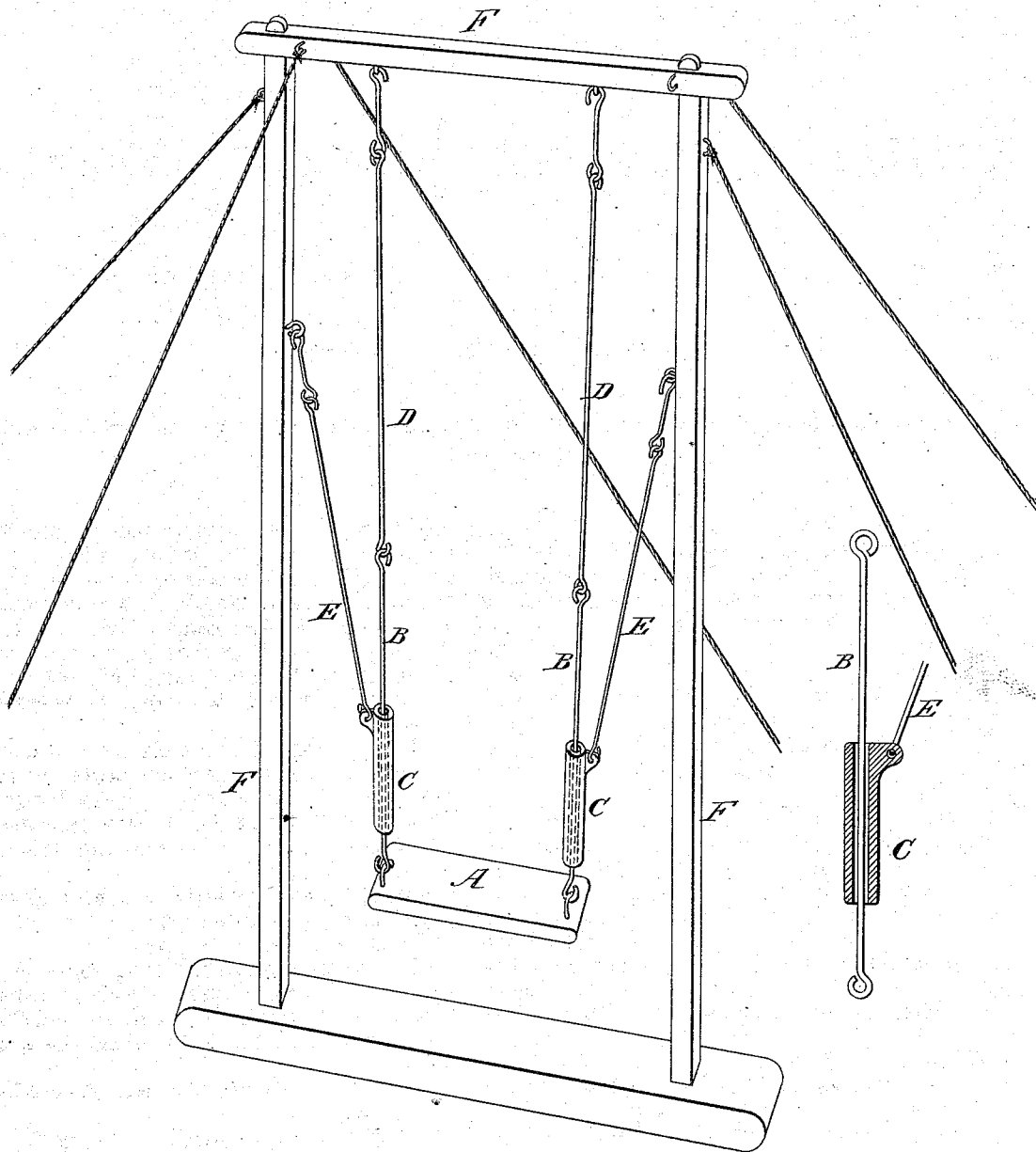


H. J. BLAKESLEE.

Swings.

No. 154,741.

Patented Sept. 8, 1874.



Witnesses.

Jno. K. Hallock.
James M. Cooke

Inventor.

Homer J. Blakeslee

UNITED STATES PATENT OFFICE.

HOMER J. BLAKESLEE, OF CONCORD TOWNSHIP, ERIE COUNTY, PA.

IMPROVEMENT IN SWINGS.

Specification forming part of Letters Patent No. 154,741, dated September 8, 1874; application filed October 13, 1873.

To all whom it may concern:

Be it known that I, HOMER J. BLAKESLEE, of Concord township, Erie county, Pennsylvania, have invented an Improved Swing, of which the following is a specification:

The nature of my invention consists in so constructing a swing that the swinger can, while seated in the swing, comfortably and easily propel the swing by simply changing his position, so as to change the point of pressure of his own weight, or part of his own weight.

My invention is illustrated in the accompanying drawings as follows: F F F is the frame, which is supported by braces or guys, as may be desired. D D are the pendent ropes or rods, and A is the seat. The lower ends of the pendants are bars B B, used as guides for the sliding hand-rests C C. Attached to these hand-rests C C are ropes E, which are again attached to the uprights of the frame F at some point between the top and the middle of the same, and far enough below the cross-piece to act as a safety-cord by limiting the vibration of the rope D.

Now, as the ropes E are shorter than the ropes D, when the swing is moved the hand-

rests C must move on the guides B; and when the swing is out of a perpendicular position any weight or power exerted on the short rope E will throw the swing back to a perpendicular quicker than the same weight exerted on the long ropes D D, so that the operator, when swinging, by changing part of his weight onto the short ropes, will accelerate his downward motion.

The operator can accomplish this change of weight by or through his hands upon the hand-rests; or a device may be connected with the hand-rests by which the operator may use his feet to place the extra weight upon the short ropes.

This, I believe, constitutes a full and exact description of my invention.

What I claim is as follows:

The combination of the long ropes D and guide-bars B with the short ropes E and sliding hand-rests C, constructed and arranged substantially as shown, and for the purposes mentioned.

HOMER J. BLAKESLEE.

Witnesses:

JNO. K. HALLOCK,
JAMES M. COOK.