

**No. 670,287.**

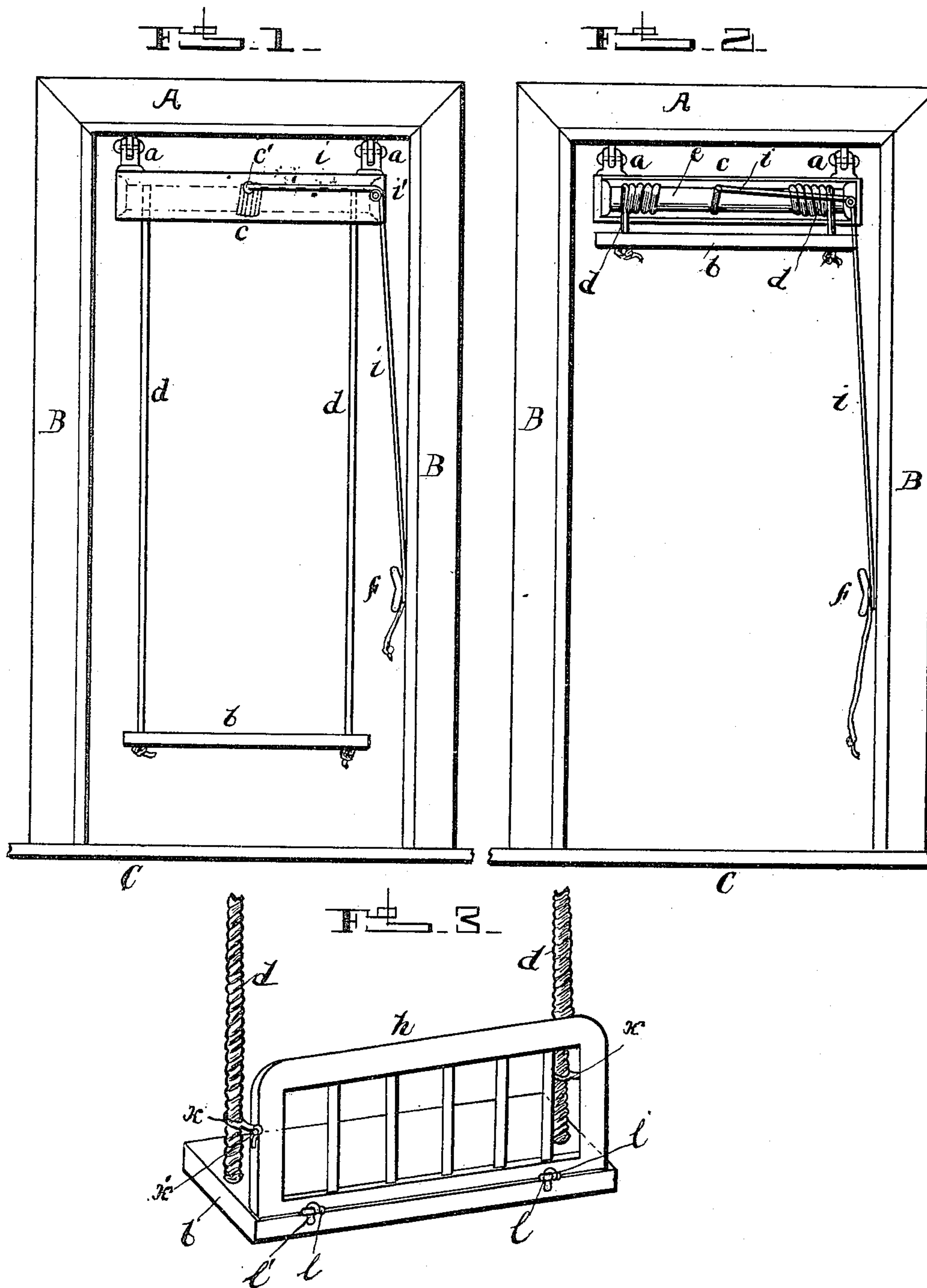
**Patented Mar. 19, 1901.**

**E. LURCH.**

**SWING.**

(Application filed July 27, 1900.)

(No Model.)



WITNESSES

Harry F. Noah  
P E McDonald

INVENTOR

INVENTOR  
Edward Lureh

By Carroll Cement Co AT

# UNITED STATES PATENT OFFICE.

EDWARD LURCH, OF NEW YORK, N. Y.

## SWING. REISSUED

SPECIFICATION forming part of Letters Patent No. 670,287, dated March 19, 1901.

Application filed July 27, 1900. Serial No. 24,968. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD LURCH, a citizen of the United States, and a resident of New York, county of New York, and State of New York, have invented certain new and useful Improvements in Swings, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to improvements in swings.

The nature and object of the invention will be fully understood from the following general description and the accompanying drawings and will be subsequently pointed out in the claim.

Figure 1 is a view of an open door with my improved swing hanging in it in extended position. Fig. 2 is a view of the same, partly in section and with the swing drawn up. Fig. 3 is a detail view of the seat of the swing.

A designates the lintel of the door, B and B the posts, and C the sill.

c designates a box or case of rectangular form, which may be of any suitable material. In this box, extending from end to end, is journaled the revoluble roller e. This case c may be attached to the lintel A of the door in any common and well-known way. In the example of my invention here given I have illustrated it as attached by ears and bolts a. On the roller e at either end, inside of the case c, are wound ropes d. These ropes are attached by one end to the roller e and passing through a hole in the bottom of the case c are fastened by the other end to the seat of the swing, which seat is designated by b. These ropes d are both wound the same way around the roller e. On the middle of the roller e is wound the cord i. This is wound around the roller e in the opposite way from the ropes d, and passing through the wall of the case, over the pulley c', and over the pulley i' extends downward to the cleat f, on which it may be fastened. The seat of the swing consists of a seat-board b and a back h. This back may be detachably fastened in any common and well-known way. In the example of my invention here given I illustrate it as fastened at each side by the hooks k, which embrace the ropes d and engage the

pins k', and at the bottom by the tines l, which engage the eyes l' on the seat-board b, all the various parts of the mechanism to be substantially as illustrated in the drawings.

To use my invention, the case c is fastened, as aforesaid, to the lintel of the door, as illustrated in the drawings. It will then be found that as the seat of the swing is let down (and for that purpose the ropes d unwind from the roller e) the cord i will wind up on the roller. When the seat-board b has arrived at a proper distance from the sill C of the door, it may be held in that position by fastening the cord i on the cleat f. The back h of the seat may then be put on, with the hooks k engaging the pins k' and the tines l engaging the eyes l', as aforesaid. The swing will then be ready and may be used in the common and well-known way. Thus far while the swing is in use it is supposed to hang in the door; but when the swing is not in use it may be removed as follows: The back h is first to be removed by releasing the hooks k from the pins k' and lifting up the back h, so as to disengage the tines l from the eyes l'. Then when the back h has been removed the operator unloosing the cord i from the cleat f pulls it so as to unwind it from the roller e. This on account of the arrangement before described causes the ropes d to wind on the roller e. This operation may be continued until the seat-board b is drawn up to the case c, as illustrated in Fig. 2. The cord i is then fastened to the cleat f again, and the parts of the mechanism will so remain until their positions are altered, as before described.

It is evident that if the case c and the seat-board b be of proper width and properly arranged the door can, when they are in the position illustrated in Fig. 2, easily be opened and closed without them in any way interfering with it. It is also evident that this swing may be attached to many other supports besides doors and so operated with equal success.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a swing, the combination with a case adapted to be fastened to the lintel of a door, means for so fastening such case, and a revoluble roller of uniform size through its whole length, and journaled in said case, of two



ropes wound one way, one around each end of  
said roller, and extending without said case,  
a seat-board fastened on said ropes, a seat-  
back detachably fastened to said board and  
5 said ropes, a cord wound around the middle  
of said roller, in said case, in a direction op-  
posite to said ropes, and extending without  
said case, and a cleat secured to the post of  
said door, upon which said cord is fastened  
10 to hold said swing-seat in any required posi-

tion, all substantially as and for the purpose  
set forth.

In testimony that I claim the foregoing as  
my invention I have signed my name, in pres-  
ence of two witnesses, this 13th day of July, 15  
1900.

EDWARD LURCH.

Witnesses:

HARRY F. NOAH,  
C. E. McDONALD.