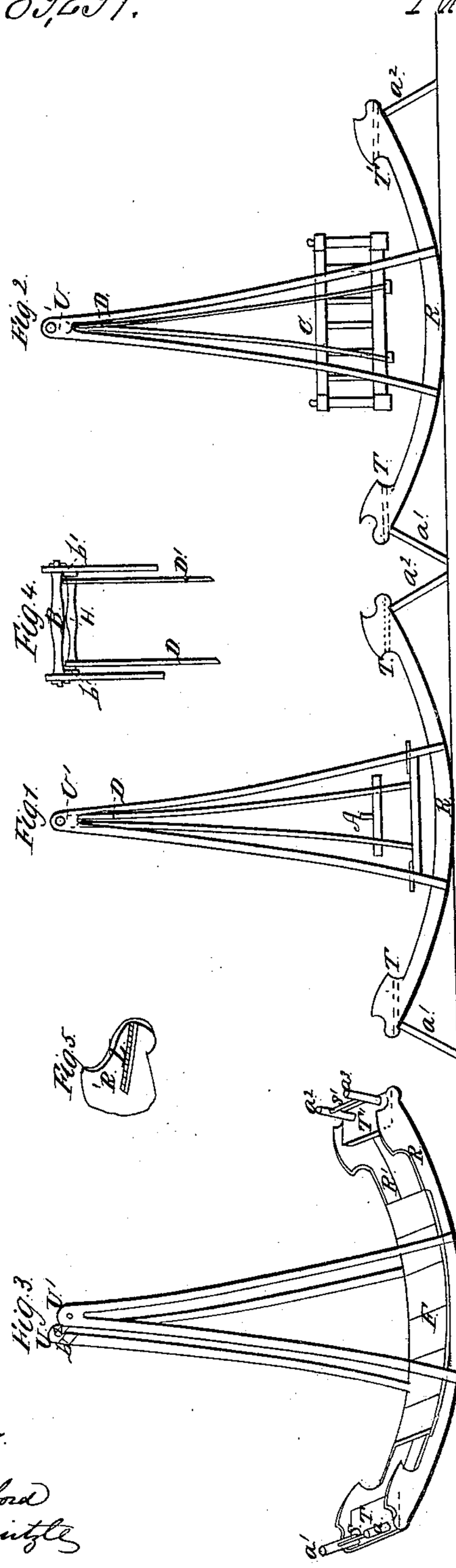
C. M. Dillon,

Swing.

No. 89,297. Patented Apr. 27. 1869.



Witnesses.

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CHARLES M. DILLON, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 89,297, *dated April* 27, 1869.

SWING.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES M. DILLON, of the city of Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a new and useful "Improvement in Swings;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists in the combination and construction of a series of devices, as hereinafter described, so as to form an exercising-machine, swinging-cradle, rocking-swing, stationary swing, or rocker.

Figure 1 is a side view of my improvement in swings, when used as a rocking-swing.

Figure 2 is a side view of same, with the rockers stationary, and a cradle substituted in place of the swing-seat.

Figure 3 is a perspective view, with the swing removed, so as to form a rocker.

Figure 4 is a detached view, showing the method of suspending the swing, or cradle.

Figure 5 is a detached and broken view, showing a slot, or groove formed in the rockers, for supporting the seats.

To enable those skilled in the art to make and use my invention, I will now proceed to describe the construction and operation of same.

I make the rockers R and R′ of any suitable wood, and in the shape as shown in the drawings.

The said rockers are secured and held at the proper distance apart by means of the flooring F, at the ends, and on the inner side of the rockers R and R′ there are formed slots, or grooves L, (as shown in fig. 5,) of the proper length, into which the ends of the reversible seats T and T′ slide.

The backs of these seats are each formed of two uprights *a*, a^1, a^2, and a^3, and cross-pieces S and S′.

Placed on the outside of the rockers R and R′ are two supports V and V′, each of which is formed of one strip of wood, and divided lengthways, to within a short distance of the upper ends.

The lower ends are spread, or bowed apart, and secured to the outside of the rockers R and R′.

The upper ends of the uprights V and V′ are held apart and braced by means of the cross-piece B, as shown in fig. 4.

If desired, two strips of wood can be used for the uprights, and the upper ends joined together by means of bolts, or screws.

The rods D and D′, fig. 4, bearing at their lower end a seat, or cradle, are constructed the same as the uprights V and V′, and are suspended to them (the uprights) immediately below the brace B, by means of the shaft H, the ends of which work in brackets *b* and *b′*, the said brackets being secured to the inner side of the uprights V and V′.

One side of the brackets *b* or *b′* is cut out, in order to allow the shaft H, with its rods D and D′, to be attached or detached.

When it is desired to attach the cradle C to the uprights V and V′, the seats T and T′ of rockers R and R′ are drawn out of the slots L, and turned, so that the uprights *a*, a^1, a^2, and a^3, forming the back of the seat, will assume the position as shown in figs. 1 and 2, and thus brace and hold the rockers R and R′ in a stationary position.

The swing-seat A, adapted for one or two persons, is attached to the rods D and D′, and secured to the uprights V and V′, as above described, the seats T and T′ being placed so that the backs will hold the rockers R and R′ stationary, or allow them to vibrate, as desired.

I do not claim, broadly, a swing that will form the devices herein set forth, as such swings have been constructed before; but

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

The construction and arrangement of the uprights V and V′, cross-piece B, brackets *b* and *b′*, rockers R and R′, provided with slots L, reversible seats T and T′, with their uprights *a*, a^1, a^2, and a^3, and cross-pieces S and S′, rods D and D′, shaft H, cradle C, and swing-seat A, the whole operating substantially in the manner and for the purpose above set forth and described.

In testimony whereof, I have hereunto signed my name, in the presence of two subscribing witnesses.

CHARLES M. DILLON.

Witnesses:

ISAAC R. OAKFORD,

WILLIAM H. KINTZLE.