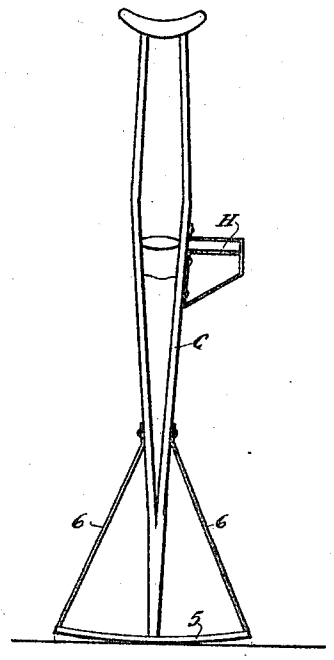
R. G. HALL.

DEVICE FOR HUMAN LOCOMOTION.

APPLICATION FILED FEB. 8, 1918.

1,323,629

Patented Dec. 2, 1919.



WITNESS:

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DEVICE FOR HUMAN LOCOMOTION.

1,323,629. Specification of Letters Patent. Patented Dec. 2, 1919.

Application filed February 8, 1918. Serial No. 216,382.

To all whom it may concern:

Be it known that I, ROBERT G. HALL, a citizen of the United States, residing in the city of Portland, county of Multnomah, and State of Oregon, have invented certain new and useful Improvements in Devices for Human Locomotion, of which the following is a specification.

In the use of a crutch, I have discovered that by placing a hand grip to one side, forwardly or rearwardly, of the median line of the crutch, that when weight is placed thereon, it tends to throw the upper end of the crutch and the body forwardly or rearwardly, as the case may be. That is, if a person is going down hill, and the hand grip is turned to the rear, the weight assists materially in holding the body from being thrown forwardly. On the other hand, in going up an incline with the hand grip turned to the front, the weight thereon operates to throw the body forwardly. This action is particularly true where the crutch structure is provided with a rocker element at its lower end.

I have illustrated my invention in the accompanying sheets of drawings, which I will now describe.

Figure 1 is a side elevation of a crutch provided with a rocker element, with an auxiliary handle.

Referring now more in detail to the drawings, I will describe the application of my invention to a crutch, as shown in Fig. 1. Attached to the lower end of the crutch C, is a rocker element 5, secured thereto and braced by means of brace members 6, 6. The curvature of the rocker member 5 is taken from the upper end of the crutch as the center, and the crutch becoming the radius.

This crutch is also provided with auxiliary handle H on its front edge, which acts, when the weight is thrown thereon, to assist in forcing the body forwardly. This crutch is adapted for use on rough ground, or in going up a hill, or against the wind.

I am aware that changes can be made in my invention as here embodied without departing from the spirit thereof, and I do not, therefore, limit the invention except as I may be limited by the hereto appended claims.

I claim:

1. A crutch of the character referred to comprising a crutch structure provided at its lower end with a rocker element and provided intermediate its ends with a hand grip extending sufficiently to one side of the median line of said crutch structure, whereby weight placed on said handle tends to rock the crutch in that direction.

2. A crutch structure having a hand grip positioned laterally sufficiently to one side of the median line of said crutch structure so that all the weight placed on said handle is to one side of said median line, whereby to cause the upper end of said crutch to be moved toward the side on which said hand grip is located.

Signed at Portland, Multnomah county, Oregon, this 29th day of January, 1918.

ROBERT G. HALL.

In presence of—
C. T. POTTER,
L. T. NEWTON.