

C.A. Simmons' Lifting Machine.

117339

PATENTED JUL 25 1871

Fig. 1

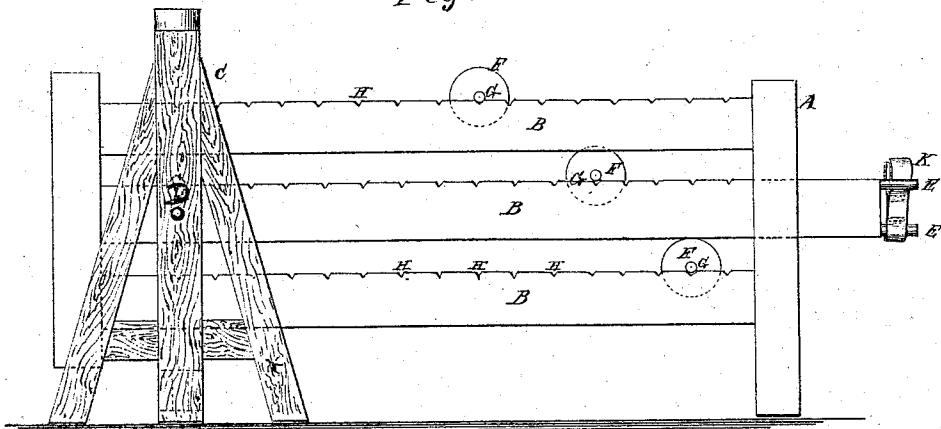
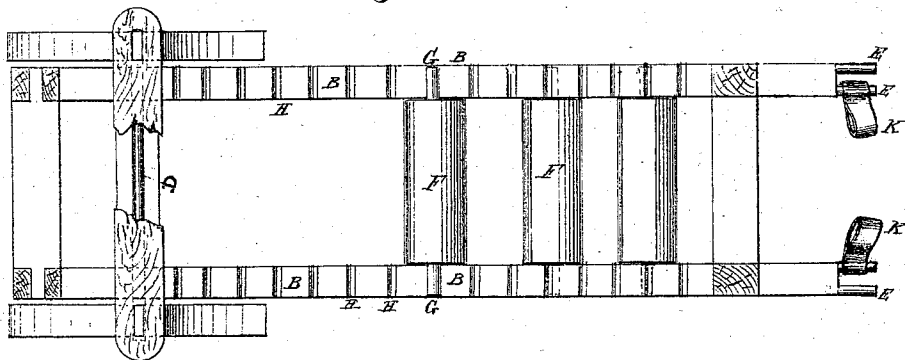


Fig. 2



Witnesses:

A. W. Amqvist
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Inventor:

C. A. Simmons.

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UNITED STATES PATENT OFFICE.

CICERO A. SIMMONS, OF WALDO, FLORIDA.

IMPROVEMENT IN LIFTING-MACHINES.

Specification forming part of Letters Patent No. 117,339, dated July 25, 1871.

To all whom it may concern:

Be it known that I, CICERO A. SIMMONS, of Waldo, in the county of Alachua and State of Florida, have invented a new and Improved Lifting-Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and improved machine for lifting purposes, for testing the power of persons to lift heavy weights and developing the muscular system; and it consists in a frame of two or more pairs of parallel bars pivoted near one end, and carrying heavy cylinders which may be easily rolled along the tops of the bars from one to another of notches arranged along the upper edges of the bars at equal distances apart, and having the gravity indicated in pounds by figures at each notch, which the weights resting therein will represent when the frame is lifted at the fore end, all as hereinafter more fully described.

Figure 1 is a side elevation of my improved machine, and Fig. 2 is a plan view of the same.

Similar letters of reference indicate corresponding parts.

A represents the frame of three (more or less) pairs of parallel bars, B, pivoted to a stand, C, at D, and provided with lifting-handles E at the end of the frame at the greatest distance from the pivot. F represents the cylinders used to weight the frame; they have a journal, G, at each end to rest in the small notches H arranged in the upper edges of the bars at equal distances apart from the pivot toward the handles, and marked to indicate the weight of the cylinders or the resistance they offer, when in them, to the raising of the frame by the handles. I make two sets of handles at different heights for suiting the machine to short or tall people, and I provide a pair of lifting-straps, K, with loops in each end, one for the hands of the operator and the other for the handles.

It will be seen that this machine may be graduated very readily to the capacity of any person.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The lifting-frame A, stand C, and cylinder F, combined and arranged substantially as specified.

CICERO A. SIMMONS.

Witnesses:

JAMES CHACE,
GEO. W. SPARKMAN.