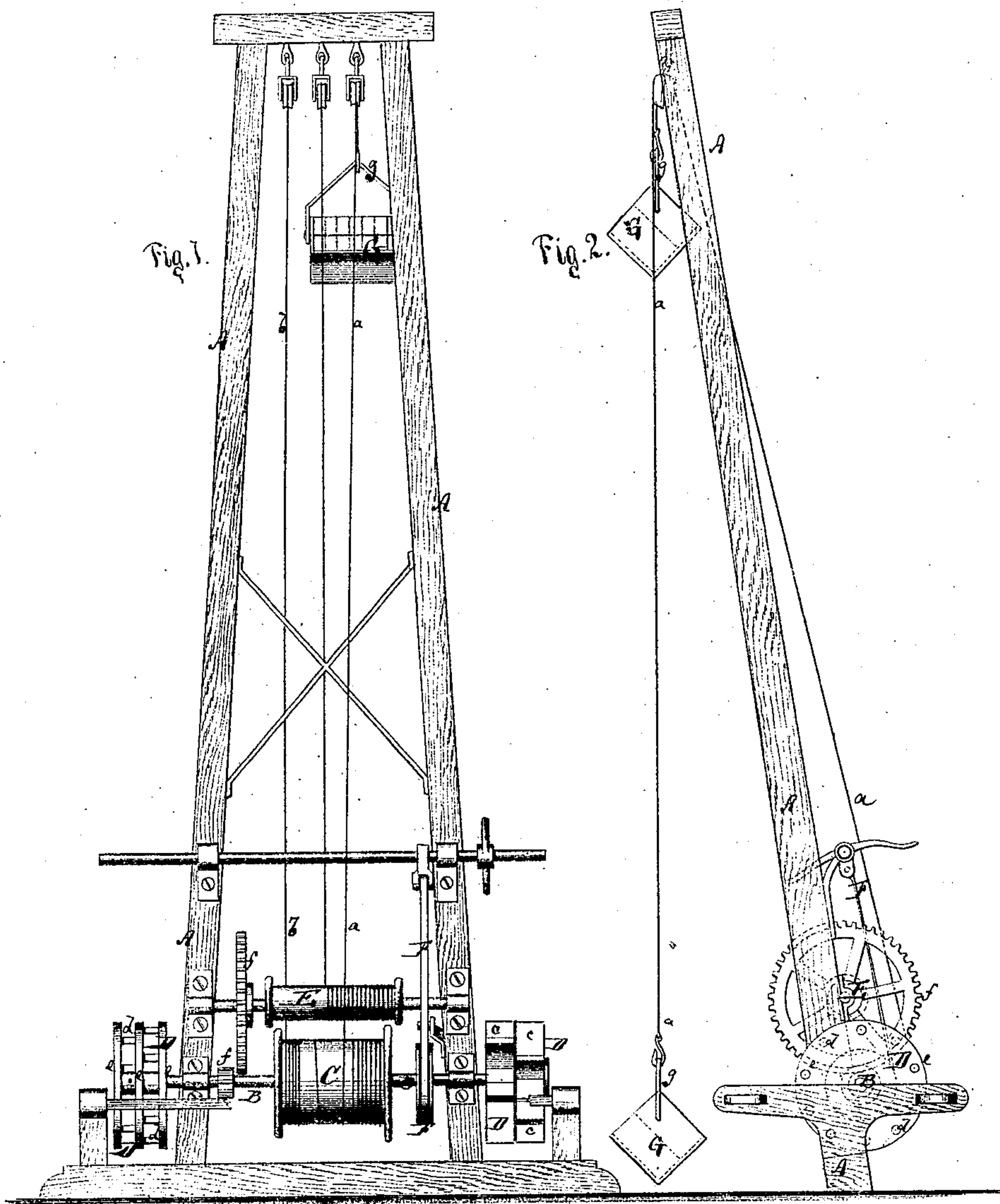


H. A. Schneekloth,

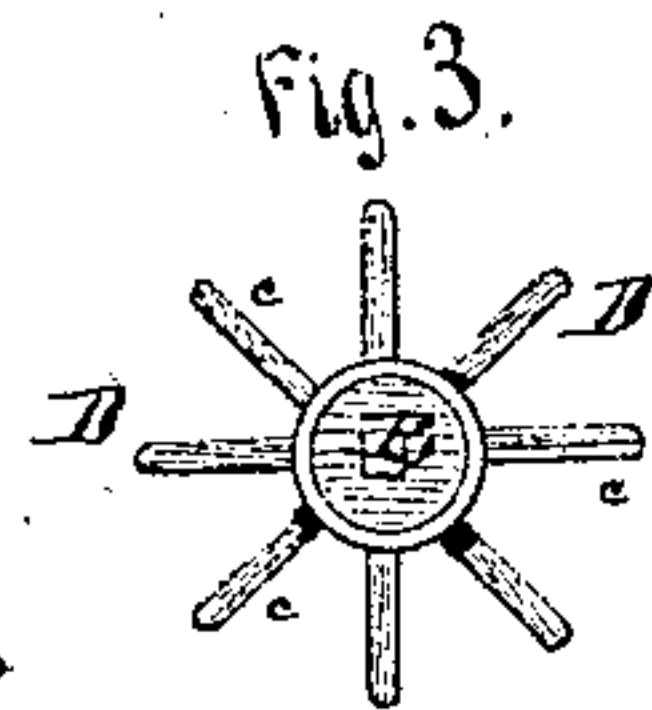
Elevator.

No. 102,597.

Patented May 3, 1870



Witnesses:
Sarah D. Dietrich
S. J. Mabie



Inventor:
H. A. Schneekloth
PER *Munn & Co.*
Attorneys.

United States Patent Office.

HANS ASMUS SCHNEEKLOTH, OF NEW YORK, N. Y.

Letters Patent No. 102,597, dated May 3, 1870.

IMPROVED HOISTING APPARATUS.

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, HANS ASMUS SCHNEEKLOTH, of the city, county, and State of New York, have invented a new and improved Hoisting Apparatus; 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 drawings forming part of this specification, in which—

Figure 1 represents a front elevation of my improved hoisting apparatus.

Figure 2 is a side elevation of the same.

Figure 3 is an end view of one of the stepping-rollers.

Similar letters of reference indicate corresponding parts.

This invention has for its object to so construct the hoisting apparatus, which is operated by men, that power may be applied to it by means of the lower extremities, and not by the arms, as usually.

The invention consists chiefly in the application of treading-wheels to the driving-axle. The operators will thereby be enabled to elevate loads by means of the legs and their own weight, and can therefore bring not only the strongest muscles but also the additional weight into action.

A, in the drawing, represents the frame of my improved hoisting apparatus.

In the same are the bearings of the driving shaft B, which carries the winding drum C.

Hoisting-ropes *a b* are secured to the drum, preferably two, to opposite sides, so that one is wound on while the other is being unwound, and *vice versa*.

To the ends, or, if desired, to one end only of the shaft B, is mounted a treading-wheel, D, which is either composed of a series of steps, *c c*, that radiates from a central hub, as in fig. 3, or which has rounds *d d* secured between parallel rings or disks *e*, as on the left-hand side of fig. 1.

The operators stand on the steps *c* or rounds *d* and transfer the weight successively from one to the other, thereby revolving the shaft and elevating the load.

For heavy loads a second drum, E, may, by suitable gearing *f*, be connected with the shaft B, in which case the drum C must be thrown out of action.

A suitable brake, F, may also be arranged on the apparatus for regulating the speed of descending weight. For elevating brick, mortar, and other building material, this device is of especial value.

The hods G may be suspended from the ropes by means of bales *g*, secured to them as shown.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The tread-wheels D D, constructed as described, in combination with shaft B, pinion *f*, and spur-wheel *f'*, to operate shaft of drum E by the foot and weight of a man, as set forth.

2. The combination, with tread D D and shaft B, of the brake F, to regulate the speed of descending weights, as set forth.

HANS ASMUS SCHNEEKLOTH.

Witnesses:

GEO. W. MABEE,

ALEX. F. ROBERTS.