

G. H. Kammacher.

Elevator.

N^o 95,022.

Patented Sept. 21, 1864.

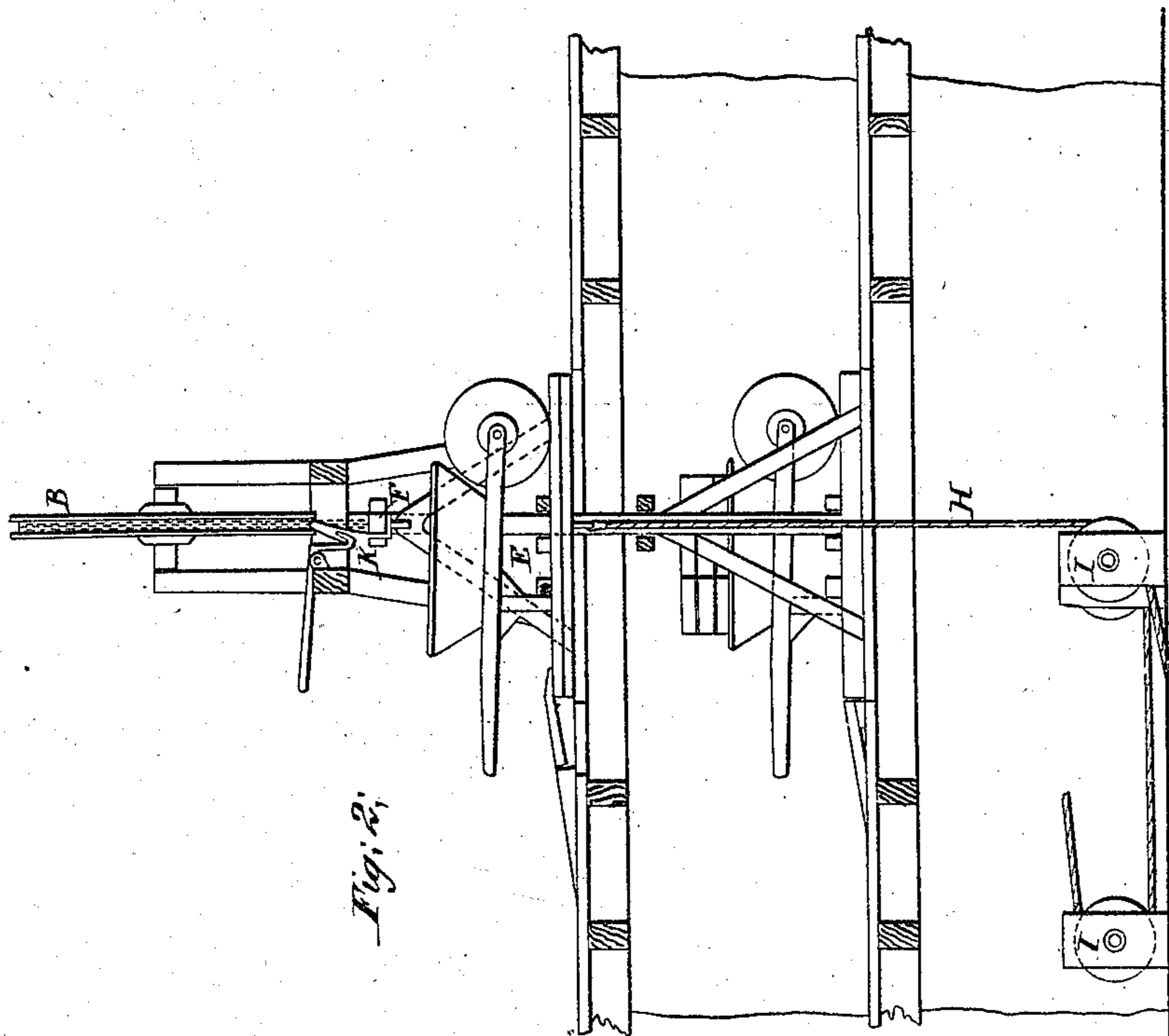


Fig. 2.

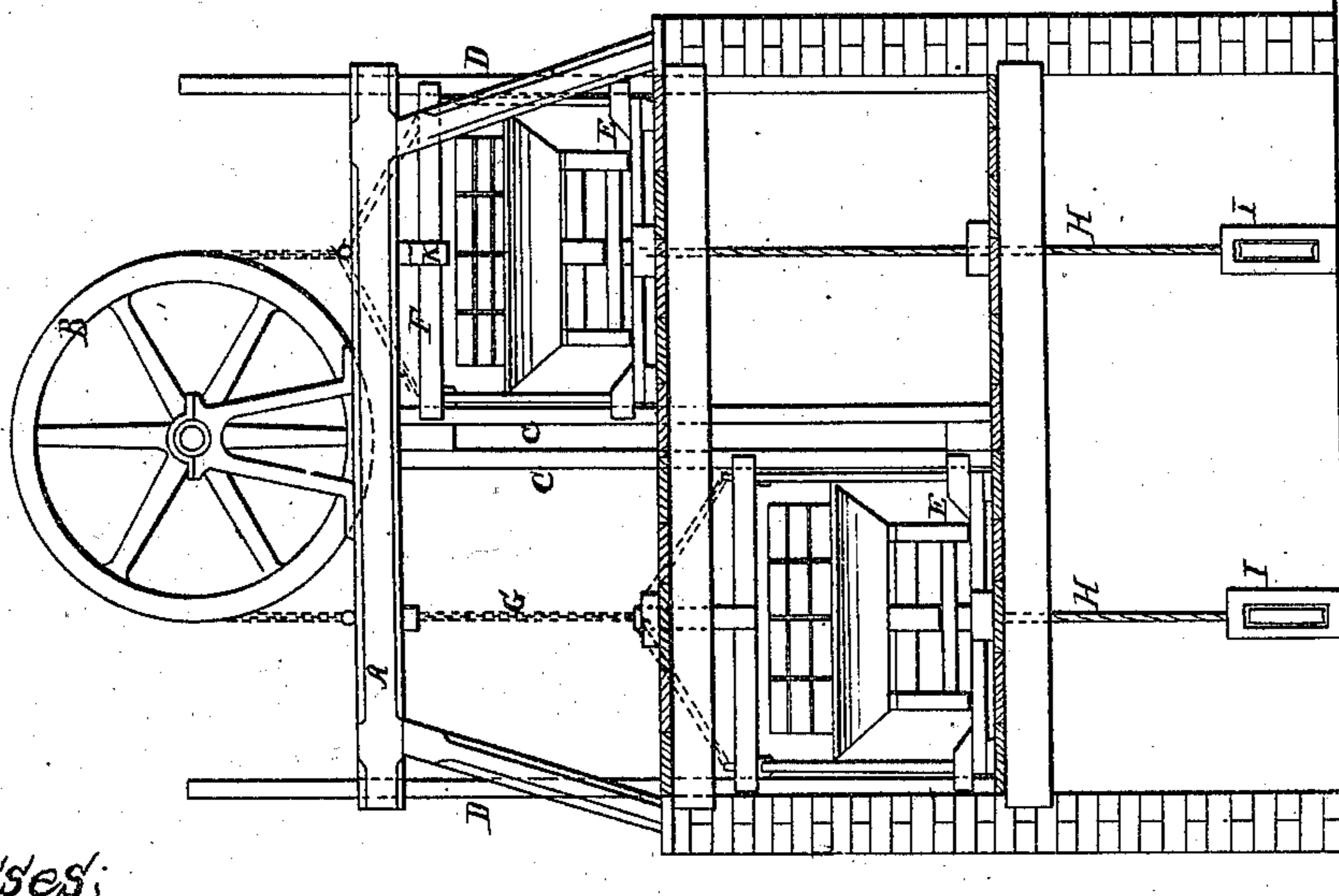


Fig. 1.

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United States Patent Office.

G. H. KAMNACHER, OF COLUMBUS, OHIO.

Letters Patent No. 95,022, dated September 21, 1869.

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, G. H. KAMNACHER, of Columbus, in the county of Franklin, and State of Ohio, 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.

The object of this invention is to provide a cheap and simple portable hoisting-apparatus, for bricklayers and builders, for hoisting the building-material.

The invention consists in the arrangement on a bench or "horse," of a large grooved hoisting-wheel, a pair of balancing-platforms, vertical guides for the same, and hoisting-ropes, all as hereinafter more fully specified.

Figure 1 represents a front elevation, and

Figure 2 represents a side elevation of my improved apparatus.

Similar letters of reference indicate corresponding parts.

A represents a common bricklayer's bench or "horse," provided with a long vertical opening through the beam.

B represents a large grooved chain-wheel, mounted centrally on the said bench, in the same vertical plane with the said bench.

C represents vertical ways, connected to the bench near the centre; and

D, similar ways, either connected to the bench or supported by the walls of the building, or by other means.

E represents platforms, suspended from cross-heads F, and fitted as the cross-heads, also, are to slide up and down on the ways C D. These cross-heads are connected to a chain, G, passing over the wheel B, whereby the platforms balance each other thereon.

Ropes or chains H are connected to the bottoms of these platforms, for drawing them down, and they are carried, for convenience, under guiding-rollers I. The drawing of one carriage down elevates the other.

K represents catches, for holding the loaded platforms up until unloaded.

This apparatus is very simple, and may be readily put into place upon the floor of buildings being built; transferring from one to the other, as new floors are added, by raising the bench and lengthening the chain G and the guides C D, which consist of thin strips of wood.

The bricks, mortar, and other substance to be elevated, may be wheeled on to the platforms in wheel-barrows, or be placed thereon in any other convenient way.

Having thus described my invention,

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

The combination, with a chain-wheel, or chain, and carriages, all arranged as described, of the ropes H H, attached to the bottoms of the said carriages, and operated alternately in the manner set forth.

G. H. KAMNACHER.

Witnesses:

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