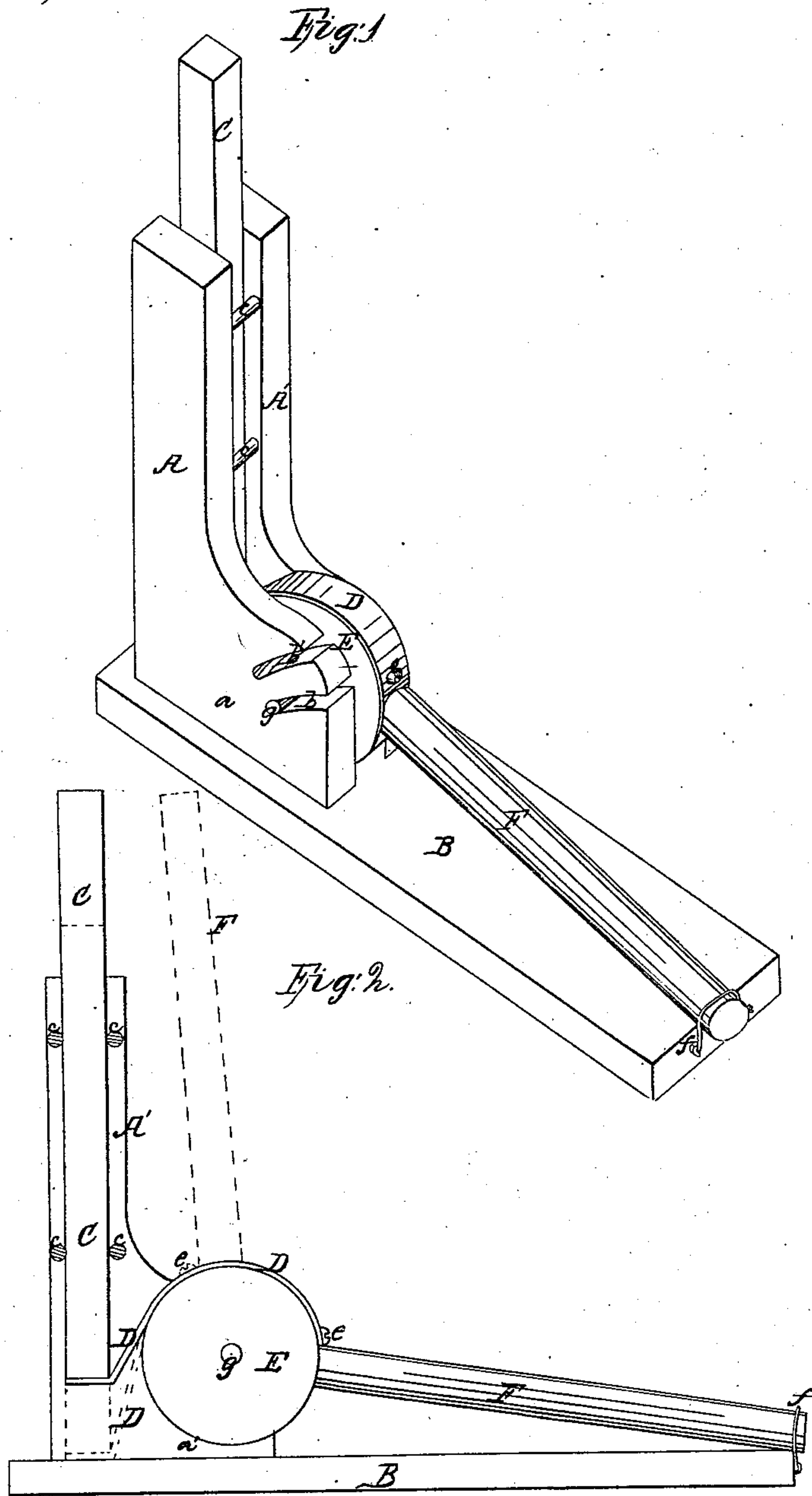


*J. B. White,*  
*Lifting Jack,*  
*Nº 84,665, Patented Dec. 1, 1868.*



*Witnesses.*  
*Samuel Smith*  
*A. F. Klandt*

*Inventor.*  
*Jarvis B. White*  
*By*  
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*Attorney*



JARVIS B. WHITE, OF DETROIT, MICHIGAN.

*Letters Patent No. 84,665, dated December 1, 1868.*

**IMPROVEMENT IN CARRIAGE-JACK.**

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, JARVIS B. WHITE, of Detroit, in the county of Wayne, and State of Michigan, have invented a new and useful Improvement in Carriage-Jacks; and I do hereby declare the following to be a full and correct description of the same, sufficient to enable others skilled in the art to which my invention appertains, to fully understand and construct the same, reference being had to the accompanying drawings, which make part of this specification, and in which—

Figure 1 is a perspective view of my improved carriage-jack, and

Figure 2 is a side elevation of the same, one side being removed.

Like letters indicate like parts in both figures.

The nature of my invention consists in the construction of a carriage-jack, the lifting-bar of which is raised by means of a strap passing over the disk-end of the elevating-lever.

A A', in the drawings, represent side pieces, secured on the bottom piece B, and being at their lower end extended longitudinally, as shown at *a a'*, in which extension slots *b b'* are made.

The pieces A A' are stayed by rods *c*, between which and the pieces A A' moves the lifting-bar C, to the under side of which is secured one end of a strap, D; the other end of the same passing over the disk E, at

the end of lever or handle F, and being secured, where the disk and lever join, by a screw, *e*, or any other suitable means.

Through the centre of the disk passes a rod, *g*, forming journals for the same.

The operation of my improved carriage-jack is very simple.

The lever or handle, being in position as shown in red lines in fig. 2, the lifting-bar C is adjusted under the axle, and the lever brought down to the position in black lines, where it may be secured by the loop *f*.

The strap D winds on the disk E, the journals *e* of which rest in slots *b*, and elevates the bar C.

This carriage-jack is easily and cheaply constructed. The side extensions *a a'* may be provided with two or more slots, *b b'*, to suit any-sized carriage, and front and hind wheels.

Having thus described my invention,

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

The carriage-jack, consisting of the side pieces A A', lifting-bar C, straps D, arranged and operating substantially as described.

JARVIS B. WHITE.

Witnesses:

ALEXR. A. C. KLAUCKE,  
SAMUEL SMITH.