

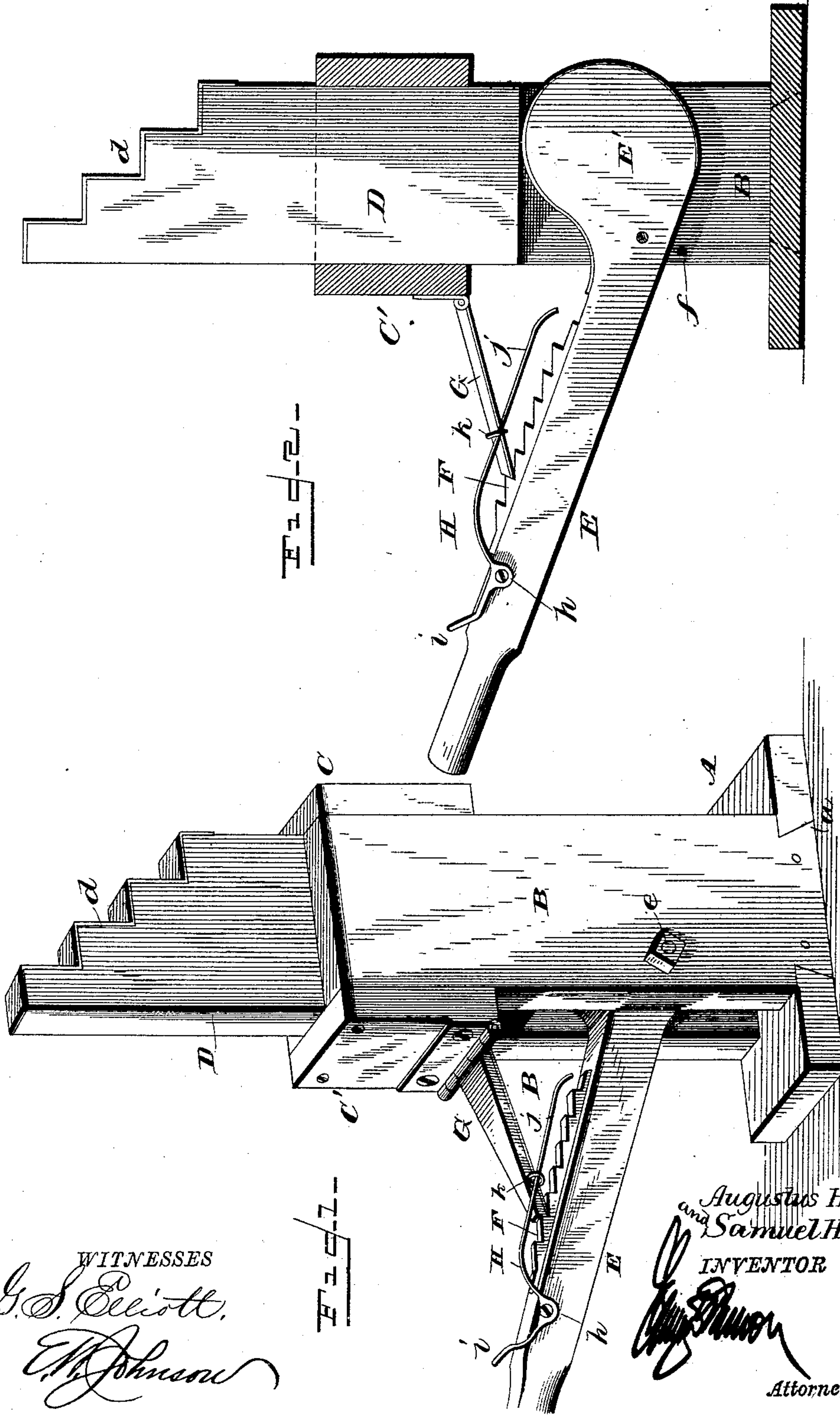
(No Model.)

A. & S. H. HUGHES.

LIFTING JACK.

No. 353,223.

Patented Nov. 23, 1886.



WITNESSES

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AUGUSTUS HUGHES AND SAMUEL H. HUGHES, OF DAYTON, OHIO.

LIFTING-JACK.

SPECIFICATION forming part of Letters Patent No. 353,223, dated November 23, 1886.

Application filed September 16, 1886. Serial No. 213,709. (No model.)

To all whom it may concern:

Be it known that we, AUGUSTUS HUGHES and SAMUEL H. HUGHES, citizens of the United States of America, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Lifting-Jacks; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Our invention relates to certain new and useful improvements in lifting-jacks, the object of said invention being to provide a cheap, simple, and effective lifting-jack which can be readily constructed and operated; and to this end our invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and specifically pointed out in the claim.

In the accompanying drawings, which illustrate our invention, Figure 1 is a perspective view of a lifting-jack constructed in accordance with our improvement. Fig. 2 is a vertical sectional view.

A refers to the base of our improved lifting-jack, which is provided at the sides with dovetailed recesses or mortises *a*, within which will lie the dovetailed lower portions of the vertical uprights or side pieces, B B, said side pieces being connected to each other at their upper ends by transverse blocks C and C'.

Between the side pieces, B B, and blocks C and C' is placed a flat sliding piece, D, which is provided with suitable steps, *d*.

E refers to a lever, the end E', which is located between the posts B and B, being cam-shaped, as fully shown in Fig. 2, said cam-shaped end being adapted to bear upon the lower edge of the sliding piece D, for elevating the same. This lever, adjacent to its cam-shaped end, is secured between the uprights B B by a bolt, *e*, beneath which is located a transverse pin or bolt, *f*, which is adapted to bear upon the under side of the

lever, adjacent to its cam-shaped head, so as to prevent the handle portion of the lever coming in contact with the ground, said pin also preventing excessive upward movement of the lever. The lever E is provided on its upper edge, between the cam-shaped head and handle portion, with a serrated bar, F, with which a gravity-pawl, G, which is hinged to the lower portion of the transverse piece C', engages. This gravity-pawl will prevent the upward movement of the lever, so as to hold the same rigid and prevent downward movement of the portion D when weight is placed thereon. The lever E, adjacent to its handle portion, is provided with a pawl-lifting device, H, which is secured thereto by a pivot, *h*, and said lever-lifting device has a rearwardly-projecting member, *i*, the terminal portion of which extends across the handle portion of the lever, so as to be within easy access of the operator's thumb for depressing the same to elevate the member *j*, which extends above the upper portion of the lever and passes through an eye, *k*, in the pawl. By depressing the member *i* the member *j* will be raised and carry with it the end of the pawl, so as to disengage it from the rack-bar. When the lever is elevated or depressed, the member *j* of the pawl-lifting device will slide through the eye *k*.

We are aware that prior to our invention it was not broadly new to provide a lifting-jack with a sliding portion which is adapted to be elevated by a cam-lever, and we do not claim such construction, broadly; but

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

The combination, in a lifting-jack constructed substantially as shown and described, of a sliding block, D, adapted to bear upon a cam-shaped end of a lever, so as to elevate the handle portion of said lever, a gravity-pawl, G, pivoted to the frame of the lifting-jack, so as to engage with the serrated bar attached to the upper edge of the lever, a pawl-lifting device, H, pivoted to the lever, near the handle portion of the same, and provided with a member which extends transversely over the hand-grasping portion, a member, *j*,

which passes through an eye, *k*, located near
the lower end of the pawl *G*, so as to pro-
vide a means for disengaging said pawl from
the rack-bar when it is desired to lower the
5 vertical sliding block of the lifting-jack, sub-
stantially as shown, and for the purpose set
forth.

In testimony whereof we affix our signatures
in presence of two witnesses.

AUGUSTUS HUGHES.

SAMUEL H. HUGHES.

Witnesses:

SAMUEL WOODS,

H. W. ELLIS.