

(No Model.)

H. DECK.

CARPENTER'S AND PAINTER'S SCAFFOLD.

No. 338,253.

Patented Mar. 23, 1886.

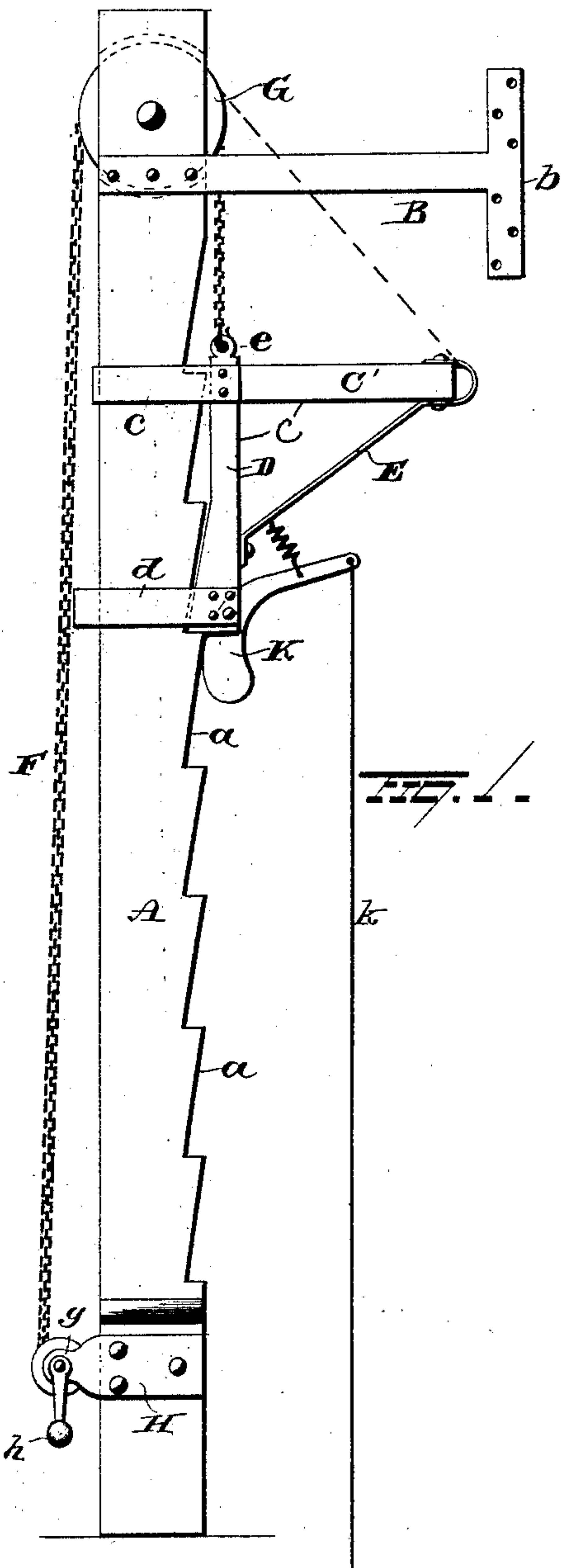
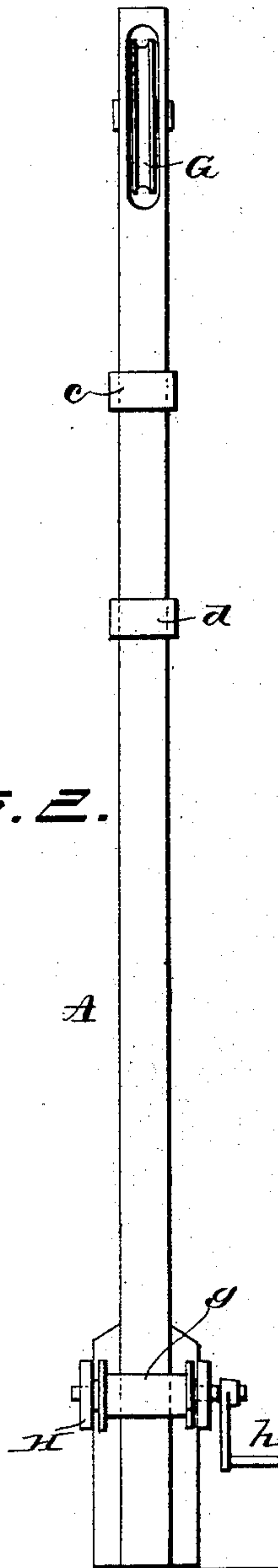


FIG. 2.



WITNESSES  
*C. D. Nottingham*  
*Geo. F. Downing*

*Henry Deck* INVENTOR  
*By H. A. Seymour* Attorney

# UNITED STATES PATENT OFFICE.

HENRY DECK, OF SWANTON, OHIO.

## CARPENTER'S AND PAINTER'S SCAFFOLD.

SPECIFICATION forming part of Letters Patent No. 338,253, dated March 23, 1886.

Application filed December 22, 1885. Serial No. 186,449. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY DECK, of Swanton, in the county of Fulton and State of Ohio, have invented certain new and useful Improvements in Carpenters' and Painters' Scaffolds; and I 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.

My invention relates to an improvement in carpenters' and painters' scaffolds.

The object is to provide a portable scaffold suitable for supporting carpenters or painters in position for working at the side of a building, which may be raised or lowered by one person, and in which the weight of the workmen will automatically lock the platform against accidental descent.

A further object is to provide a light, simple, and safe scaffold capable of being manufactured at a low cost.

With these ends in view my invention consists in certain features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of the scaffold in side elevation in position for use, and Fig. 2 is a back view of one of the pillars.

A represents one of two or more similarly-constructed pillars, provided on its front with a series of steps or notches, *a*. The pillar is secured in an upright position near the side of the building by means of a forwardly-extending arm, *B*, bolted or otherwise secured thereto, and provided with a cross-cleat, *b*, on its forward end, for securing it to the building; but while this is a simple and convenient arrangement for holding the pillar in upright position, I do not wish to limit myself to this particular construction, as numerous other devices might be employed to accomplish the same purpose.

C represents the vertically-movable bracket, which forms one of the supports for the platform. This bracket consists of the arm *C'*, secured to the pillar by a strap, *c*, which loosely embraces the pillar. A vertical piece, *D*, is secured at its upper end to the arm *C'*, near the notched face of the pillar, and extends

therefrom along the said notched face of the pillar for a distance equal to the length of the arm *C'* more or less. To the lower end of the piece *D* is secured a second strap, *d*, which loosely embraces the pillar. An oblique brace, *E*, connects the lower end of the piece *D* with the outer end of the arm *C'*. A rope or chain, *F*, leads from a staple or hook, *e*, set in the arm *C'*, near the pillar, upwardly over a pulley, *G*, journaled in the upper end of the pillar, and thence downwardly along the back of the pillar to a winding-drum, *g*, journaled in a pair of ears, *H*, secured to the pillar near its base. The winding-drum *g* is provided with an operating-crank, *h*, on one end; or it might have a crank at each end. By turning the crank *h* the arm *C'* is slid along up the pillar, the steps or notches forming no hinderance to its movement in that direction. When, however, weight is applied on the arm *C'*, either by the placing of a platform thereon or the weight of a workman, the lower end of the piece *D* will be forced against the pillar, and because of the play allowed by the straps, amounting to the depth of the notches, (more or less,) the lower end of the piece *D* will automatically seat itself on the first step it reaches in its descent, and the greater the weight applied on the arm *C'* the more securely will the arm be locked to the pillar.

In order to release the piece *D* from the step on which it is seated, I provide a short bent lever, *K*, which is pivoted to the lower end of the piece *D*, its short arm being rounded and adapted to engage the front faces of the steps, and its long arm having an operating-cord, *k*, attached to its end and leading to the ground. By pulling down on the cord *k* the lower end of the piece *D* is drawn away from the pillar out of its seat, and the arm *C* drops to the next step. A spiral spring is attached to the long arm of the lever *K* and to the brace *E*, the tension of which tends to hold the short arm of the lever normally out of engagement with the pillar.

When it is desired to lower the arm *C'* from the top to the base of the pillar, or for any extended distance, the end of the hoisting-rope may be transferred from the staple *e* to a ring, staple, hook, or other means of attachment at the outer end of the arm *C'*, and



when so attached naturally holds the lower end of the piece D out of engagement with the notched face of the pillar, and admits of its sliding freely down the pillar.

The above-described device might also be used to raise shingles or other commodities to the required elevation.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention; hence I do not wish to limit myself strictly to the construction herein set forth; but,

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

1. The combination, with a pillar having shoulders on one face thereof, the bracket, the lower end of which is adapted to rest on the shoulders on the pillar, and the straps secured to the bracket and embracing the pillar, of the bent lever pivoted to the bracket and constructed and arranged to move the lower end of the bracket away from the shoulders on the pillar, a cord for operating the lever, and a rope or chain for raising the bracket, substantially as set forth.

2. The combination, with the vertically-

movable bracket-arm secured to the pillar by straps, of the hoisting rope or chain leading 30 from the bracket over a pulley in the pillar, and thence to a winding-drum, the said hoisting rope or chain being adapted to be attached at the inner or outer end of the bracket-arm, for the purpose substantially as set forth. 35

3. The combination, with the notched pillar, the bracket secured thereto by straps loosely embracing the pillar, the lower end of said bracket adapted to engage the shoulders on the pillar, and the hoisting rope or chain 40 extending from the bracket-arm over a pulley at the upper end of the pillar, and thence down to a winding-drum journaled in suitable bearings at the base of the pillar, of a spring-actuated lever pivotally secured to the lower 45 end of the bracket, for releasing the bracket from the notches on the pillar, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscrib- 50 ing witnesses.

HENRY DECK.

Witnesses:

H. S. BASSETT,  
C. J. BRINDLEY.