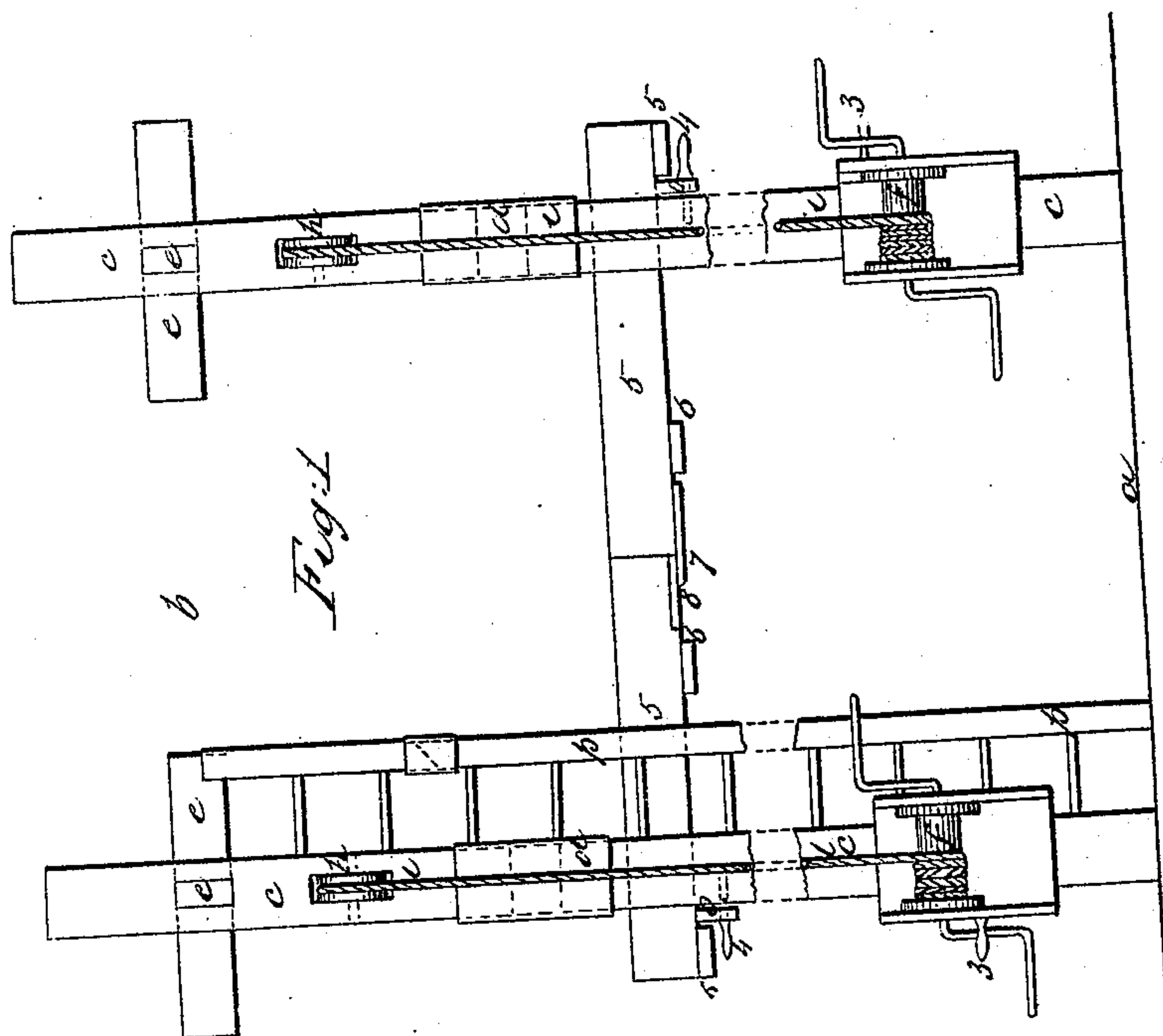
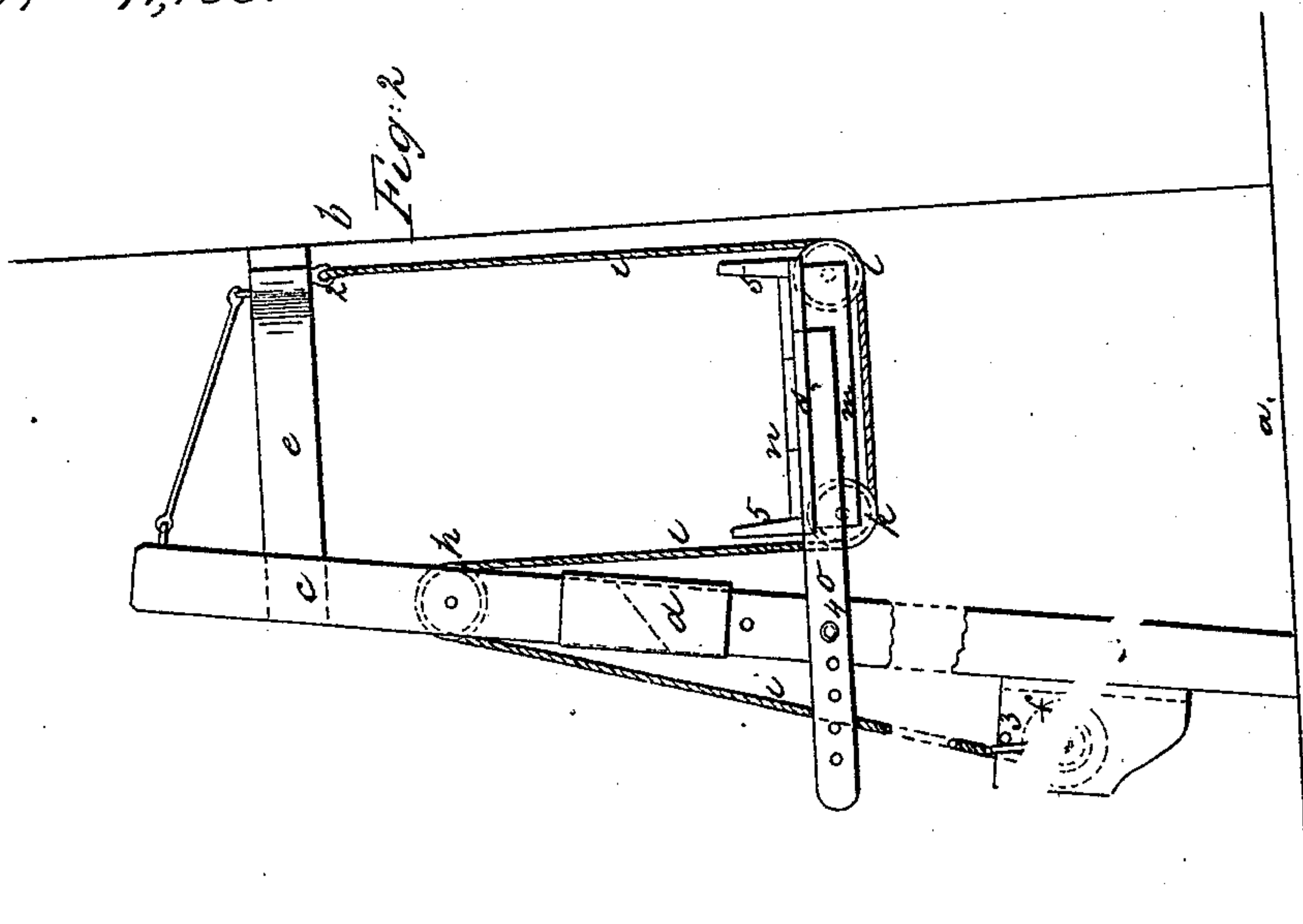


*N. B. Crawford*

*Scaffold.*

N<sup>o</sup> 7,139.

*Patented Nov. 19, 1867.*



Witnesses  
Geo. D. Walker  
Chas. H. Smith

Inventor  
N. B. Crawford  
per L. W. Terrell  
8 20 Aug

N. B. Crawford.

Scaffold.

N<sup>o</sup> 7,139.

Patented Nov. 19, 1867.

Fig. 3.

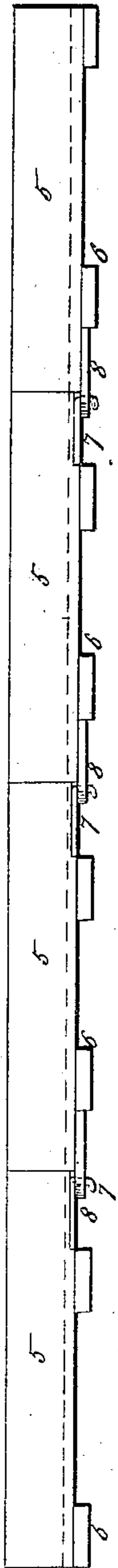
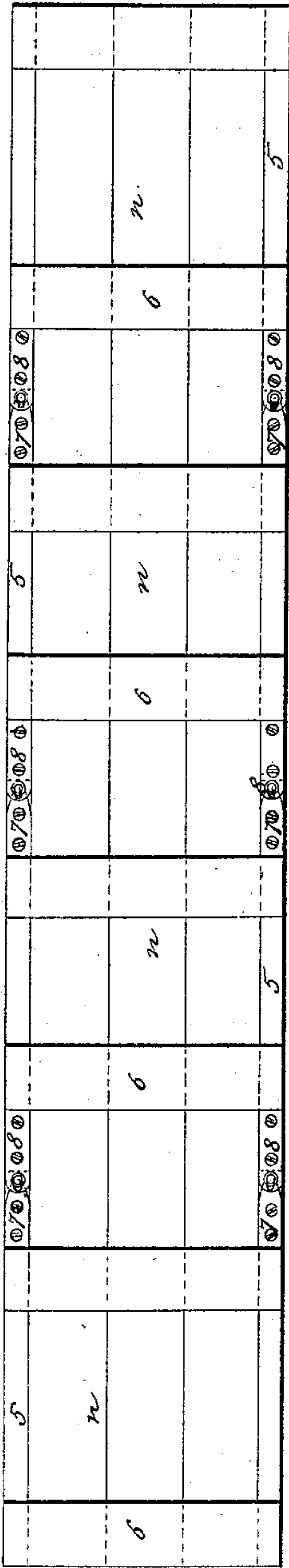


Fig. 4.



Witnesses  
Geo. D. Walker  
Chas. H. Smith

Inventor  
N. B. Crawford  
per L. W. Gerrill

# United States Patent Office.

NORMAN B. CRAWFORD, OF BENNINGTON, VERMONT.

*Letters Patent No. 71,139, dated November 19, 1867.*

## IMPROVEMENT IN BUILDING-SCAFFOLD.

*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, NORMAN B. CRAWFORD, of Bennington, in the State of Vermont, have invented and made a certain new and useful Improvement in Scaffolds for Buildings; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing making part of this specification, wherein—

Figure 1 is an elevation of the said scaffold, and

Figure 2 is a side view of the same. (In both figures the poles are shown as shortened by the removal of the centre part.)

Figure 3 is a side view, and

Figure 4 is an inverted plan of the platform.

Similar marks of reference denote the same parts.

The object of my invention is to furnish a movable scaffold, that can be employed at the side of a building, and suspend, at any desired point, a platform for the workmen. I make use of poles that may be lengthened by the addition of sections, sustaining arms resting against the building to support the upper ends of the poles, winch-barrels and ropes for elevating or lowering a platform that is formed of sections hooked together.

In the drawing, *a* represents the earth or other support for the scaffolding, and *b* the building or part thereof against which the scaffold is placed. *c c* are the scaffold-poles, formed of sections of the desired length, made with diagonal ends that pass into and wedge against each other within the metallic sleeves *d d*, that for convenience should be attached to one of the ends of the poles, the other contiguous end sliding freely into such sleeve. The upper ends of the poles are provided with arms, *e*, with cross-pieces at their extremities, that rest against or are attached to the building. In the case of wooden structures I prefer to have the ends of the arms bolted to the timbers or to the planking. I employ upon each of the poles a winch-barrel, *f*, supported in a frame, and fitted with cranks by which it may be rotated; and a pin, *g*, introduced in a hole in the frame, is employed to keep the winch from turning after it has been turned to draw in or let out the rope *i* to the desired point. This rope *i* passes from the winch up over the sheave *h*, down below the sheaves *k* and *l*, on the frame *m* of the platform *n*, and thence up to the eye *2* on the arm *e*. The frame *m* is made with a bar, *o*, extending out at the side of the pole *c*, and a pin, *4*, can be inserted to steady the same. The platform *n*, that rests upon the frames *m*, is formed of sections, as seen in figs. 3 and 4, the side pieces *5 5* being united by cross-pieces *6 6* below, and the ends having strap-hooks, *7*, and eyes, *8*, that allow the sections to be hooked together or unhooked, and the depth of the side pieces *5* is such as to insure the necessary strength according to the length of the platform. The boards *n*, introduced upon the cross-pieces *6*, and between the frames *5*, furnish the supporting surface for the workmen in constructing the building, and this platform can be raised or lowered to any desired point. The ladder *p* is formed of poles, fitted to be extended by sections, the same as the scaffold-poles. The ropes or chains *i* may pass through double blocks, so as to increase the purchase of the winch in raising or lowering the platform or staging, and braces may be employed between the poles and arms.

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

The scaffold-poles *c*, fitted to be extended in length as set forth, in combination with the winch-barrels *f*, frames *m*, and platform *n*, as and for the purposes specified.

I also claim the platform *n*, formed of sections hooked together in the manner set forth.

In witness whereof I have hereunto set my signature, this twentieth day of September, A. D. 1867.

NORMAN B. CRAWFORD.

Witnesses:

JAS. A. W. WILLIAMS,

JAMES B. MEACHAM.