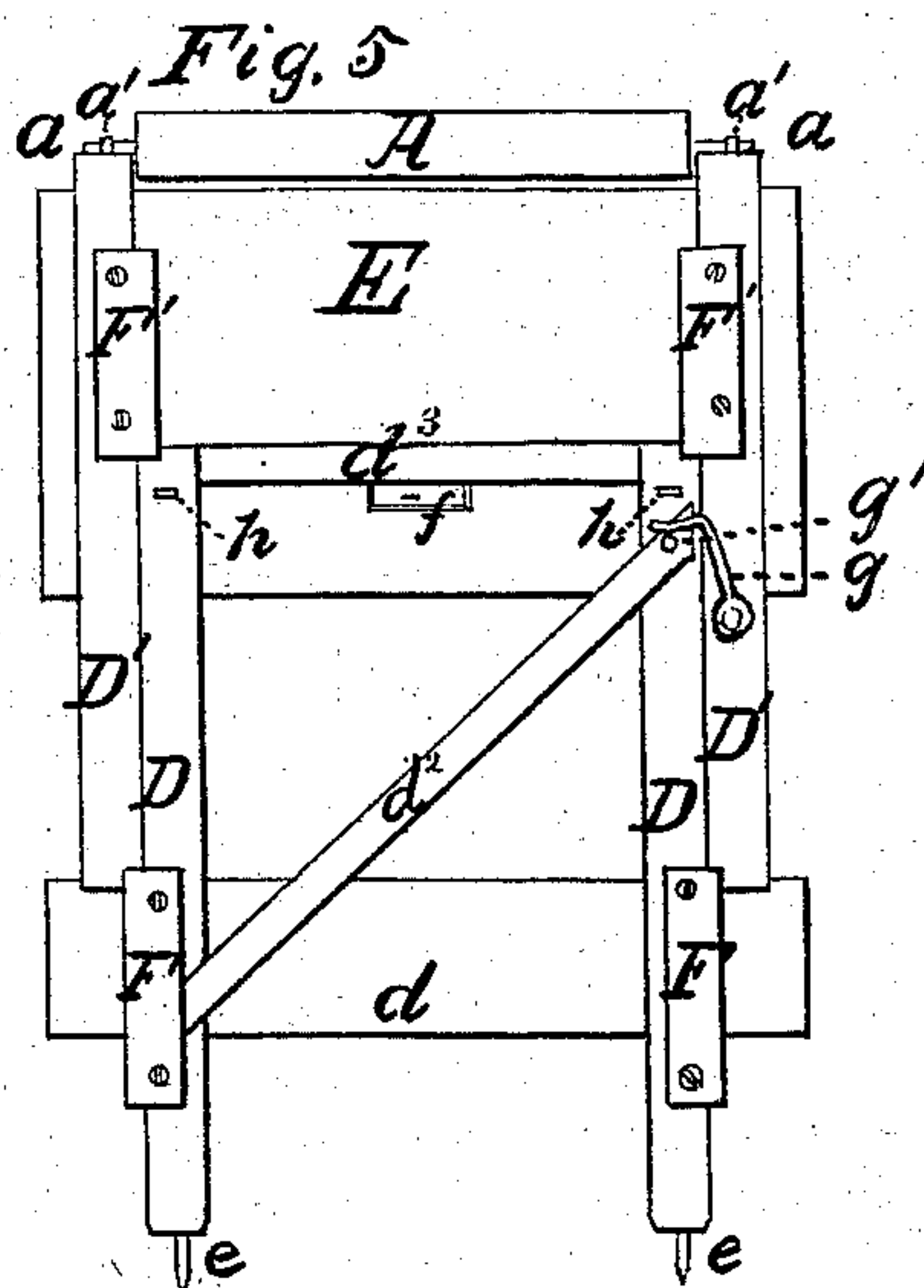
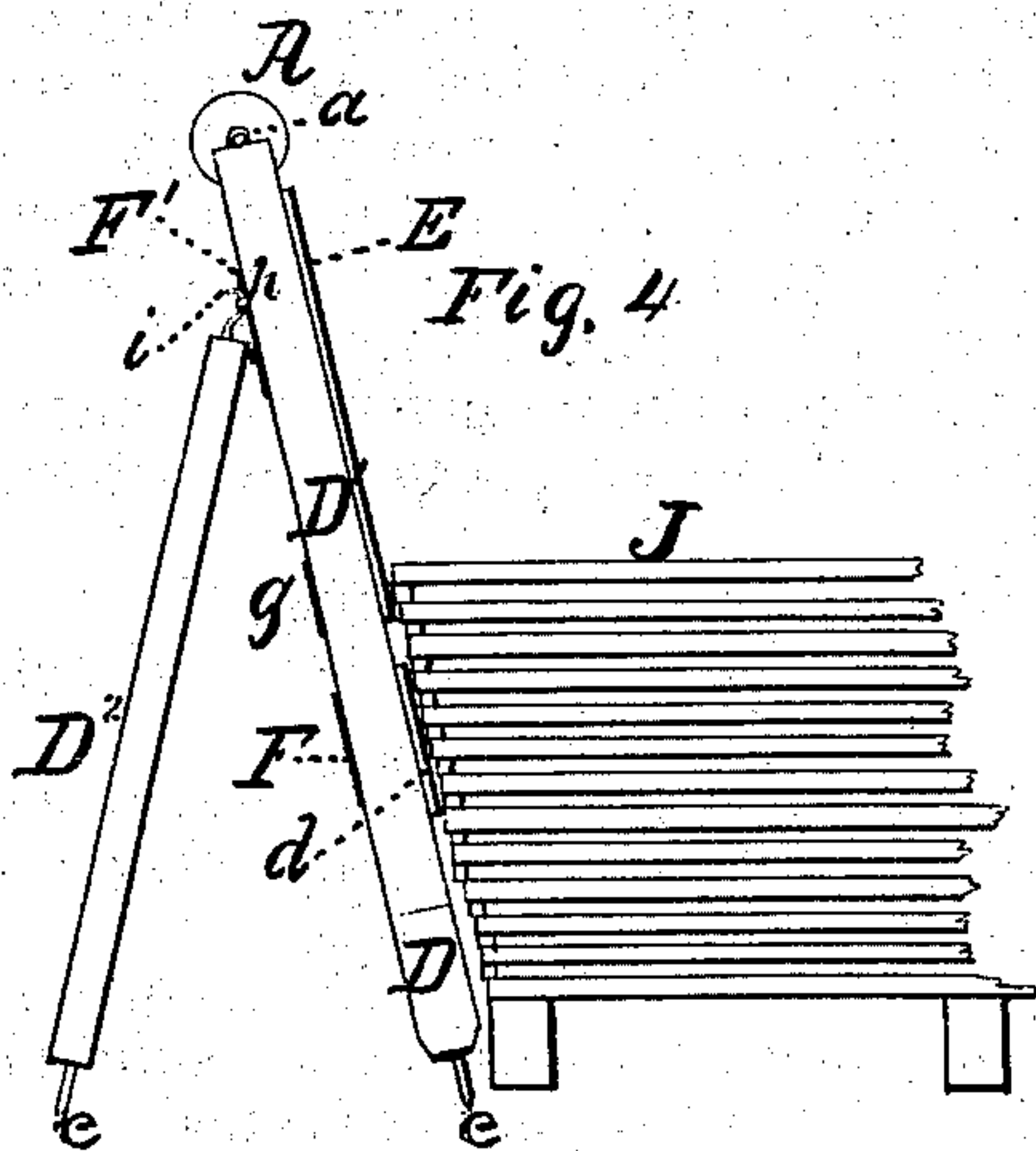
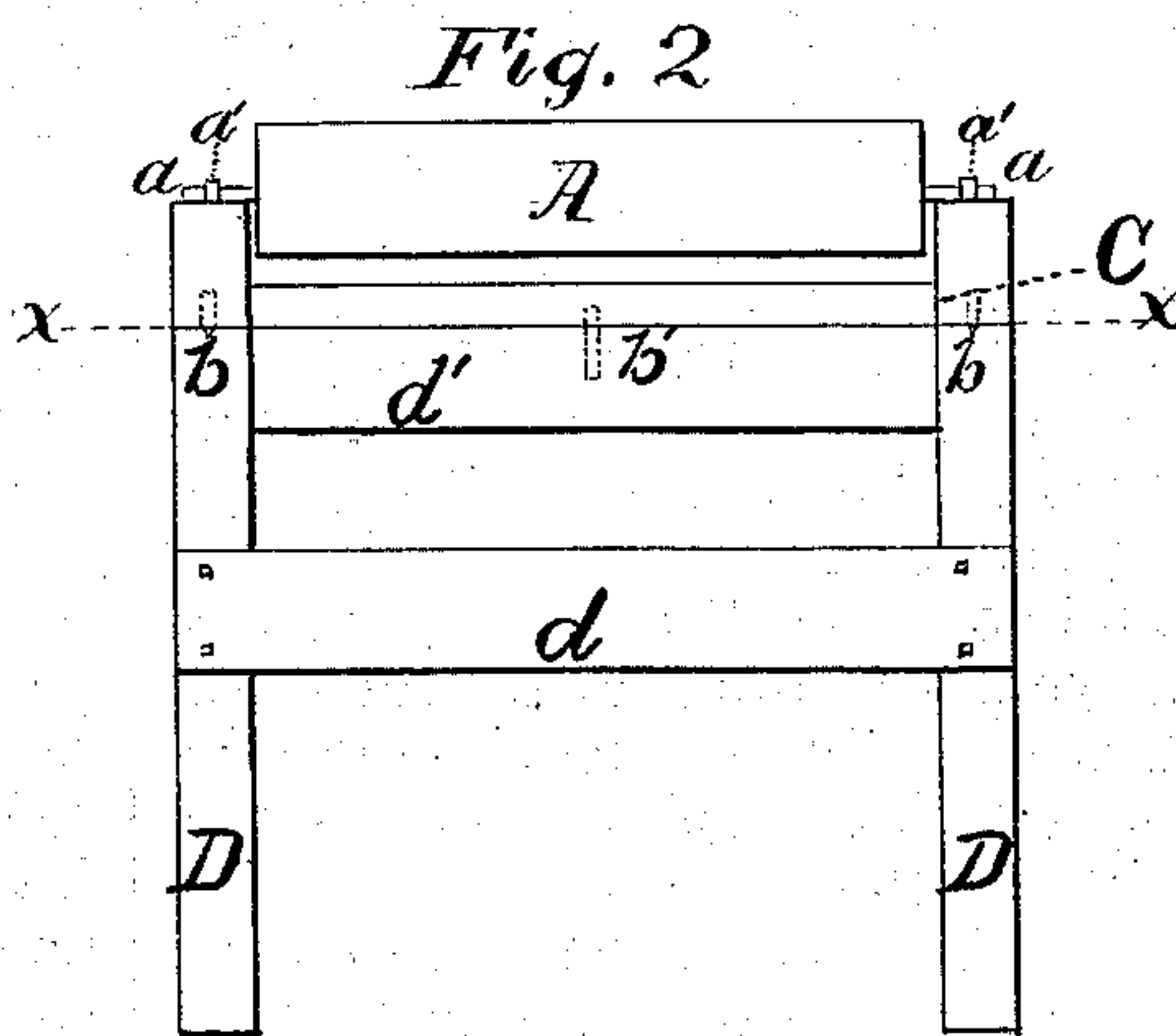
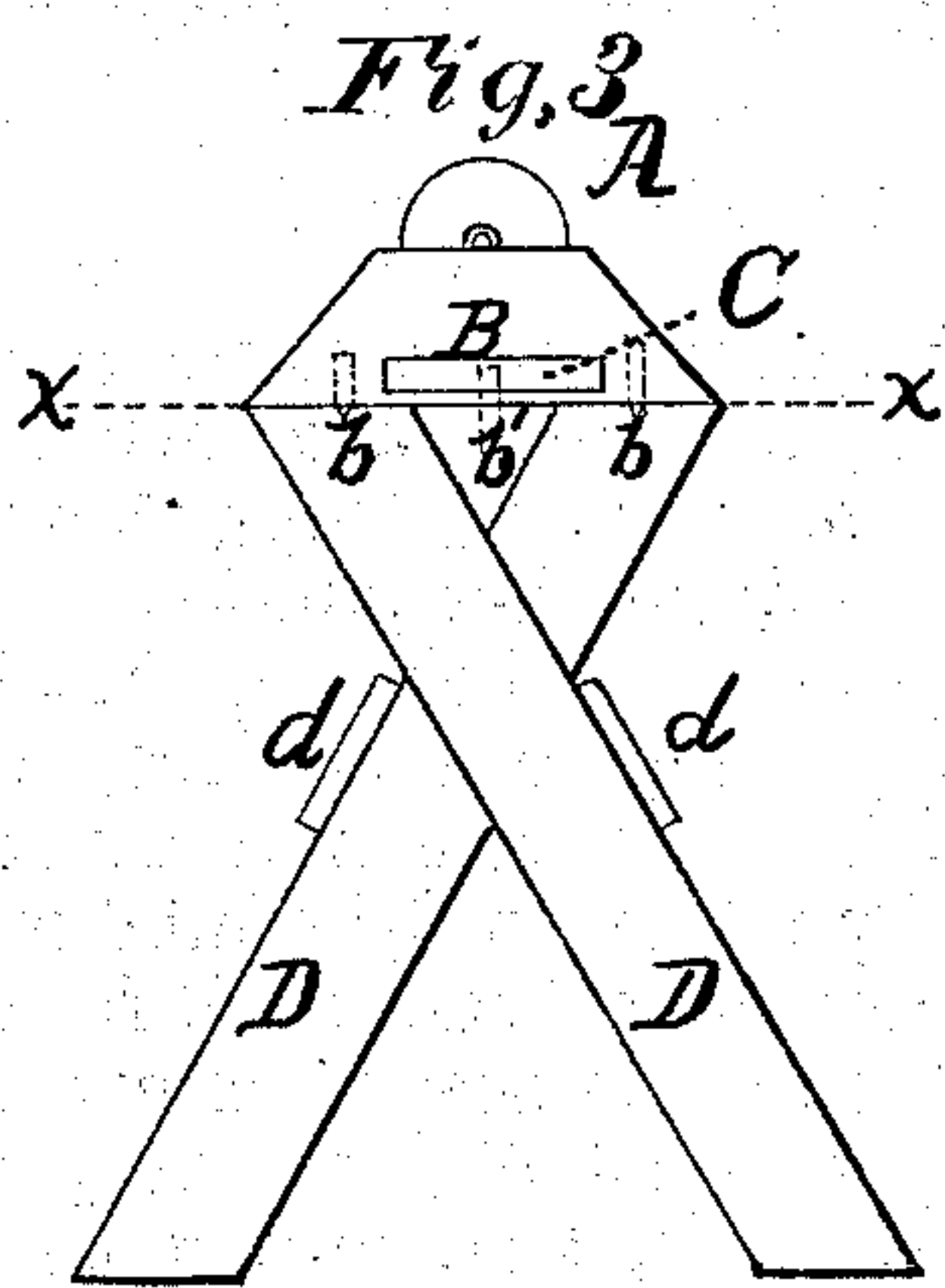
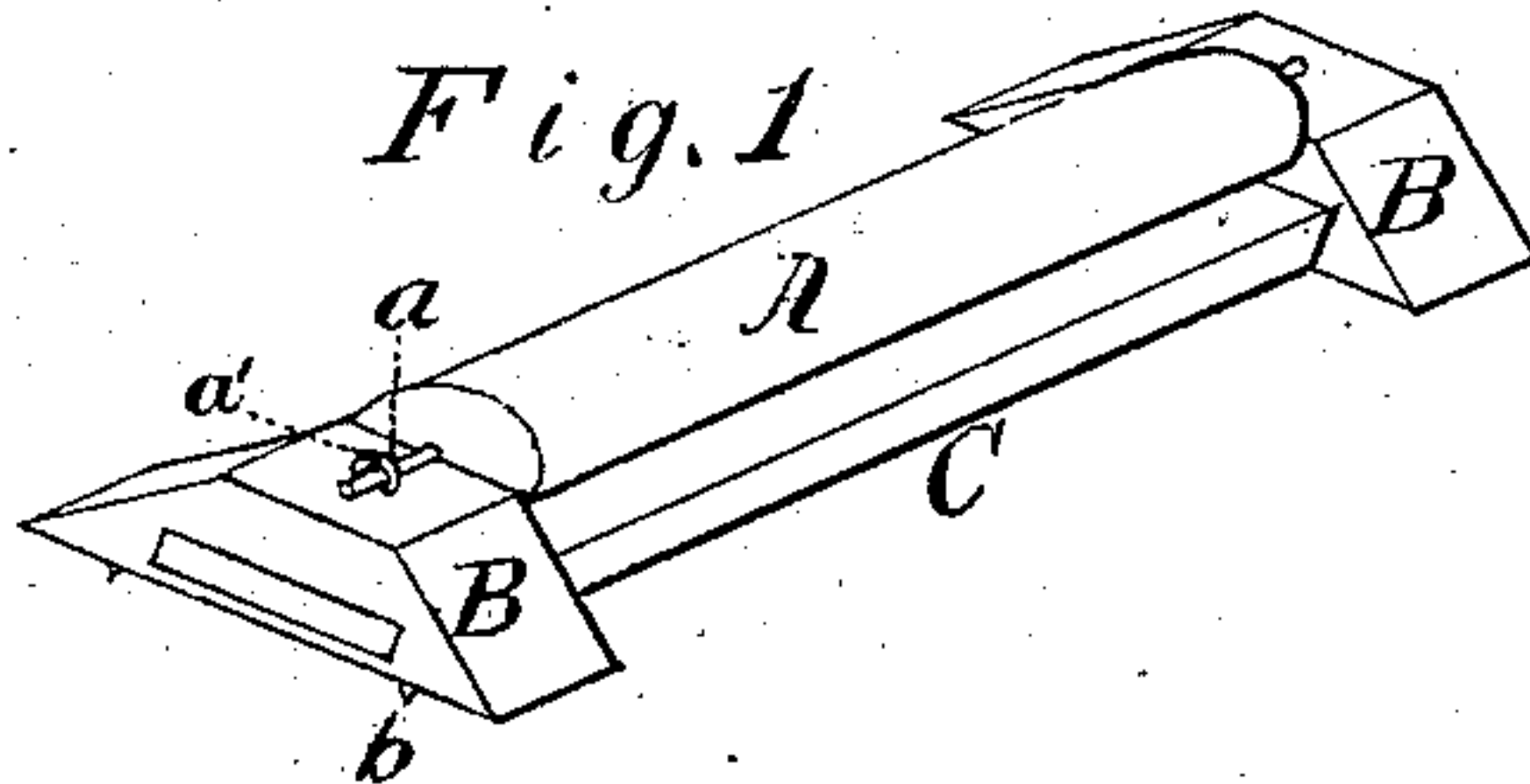


M. SHERMAN.

Devices for Moving and Piling Lumber.

No. 155,592.

Patented Oct. 6, 1874.



Witnesses.
J. C. M. Sherman
D. B. Peck

Inventor.
Milton Sherman
by
Cram & Jones

UNITED STATES PATENT OFFICE.

MILTON SHERMAN, OF FORT ATKINSON, WISCONSIN, ASSIGNOR OF ONE-HALF HIS RIGHT TO L. B. ROYCE, OF SAME PLACE.

IMPROVEMENT IN DEVICES FOR MOVING AND PILING LUMBER.

Specification forming part of Letters Patent No. **155,592**, dated October 6, 1874; application filed August 10, 1874.

To all whom it may concern:

Be it known that I, MILTON SHERMAN, of Fort Atkinson, in the county of Jefferson and State of Wisconsin, have invented a new and useful Improvement in Devices for Moving and Piling Lumber; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the improved roller. Fig. 2 is a side view of a horse, with roller (Fig. 1) attached on the plane $x x$. Fig. 3 is an end view of Fig. 2. Fig. 4 is an end view of an adjustable horse in position at the end of a lumber-pile. Fig. 5 is a side view of Fig. 4, with legs D^2 detached.

Similar letters of reference indicate corresponding parts in the several figures.

The following description of my invention will enable others skilled in the art to understand it.

This invention and improvement in rollers and horses for moving and piling lumber relates to a new way of anchoring the bearings of the roller, and an inclined surface upon the horse to regulate the end of pile.

A represents, in Figs. 1, 2, and 3, a roller, with its journals a resting upon its bearings B, united by a bar, C, with anchoring-points b , projecting beneath the bearings B. Fig. 2 is a side view of Fig. 1, combined with a horse, united on the plane $x x$; is made of the usual form, as shown in Figs. 2 and 3, consisting of the cross-bars D, lateral bars d and d^1 , and the vertical pin b' , stationary in the bar d^1 and loosely in the bar C. Figs. 4 and 5 is an adjustable horse, for use in piling lumber. Fig. 5 has an inner frame, with its bars D d d^3 , brace d^2 , guide-plates F, pin g' , points e , and staples h ; and an outer frame, with its bars D^1 , board E, roller A, journals a , staples a' , stop f , and hook g . Fig. 4 is an end view

of Fig. 5, adjusted nearly to its lowest point, with its hinged legs D^2 attached by hooks i to staples h , (one leg only being shown,) standing at the end of lumber-pile J.

I use the roller as shown in Fig. 1, placing it upon any convenient surface, where the points b will hold it from moving from position, while I push or pull the lumber over the roller A, which nearly relieves it from friction. I also use it upon horses, as shown in Figs. 2 and 3, the points b and pin b' serving as anchors to hold it in place; and, if necessary to move lumber a greater distance, I use two or more in line, giving it sufficient impetus to carry it the required distance. Figs. 4 and 5 are adjustable horses, with a roller, A, attached, to be used at the end of a lumber-pile, the board E and bar d serving as guides for the end of pile, as shown in Fig. 4. The outer frame, as described, can be raised and secured by the hook g and pin g' , to conform to the required height as the pile progresses. The angle of the inclined plane E can be changed by swinging the legs D^2 .

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

1. The roller A and bearings B, in combination with the anchoring-points b , substantially as specified.

2. The roller A, bearings B, and anchoring-points b , in combination with a horse or trestle, substantially as specified.

3. The bars D^2 and bars D, in combination with the inclined board E, substantially as described, for the purpose specified.

4. The roller A, in combination with the adjustable board E, substantially as described.

MILTON SHERMAN.

Witnesses:

D. B. PECK,

J. E. M. SHERMAN.