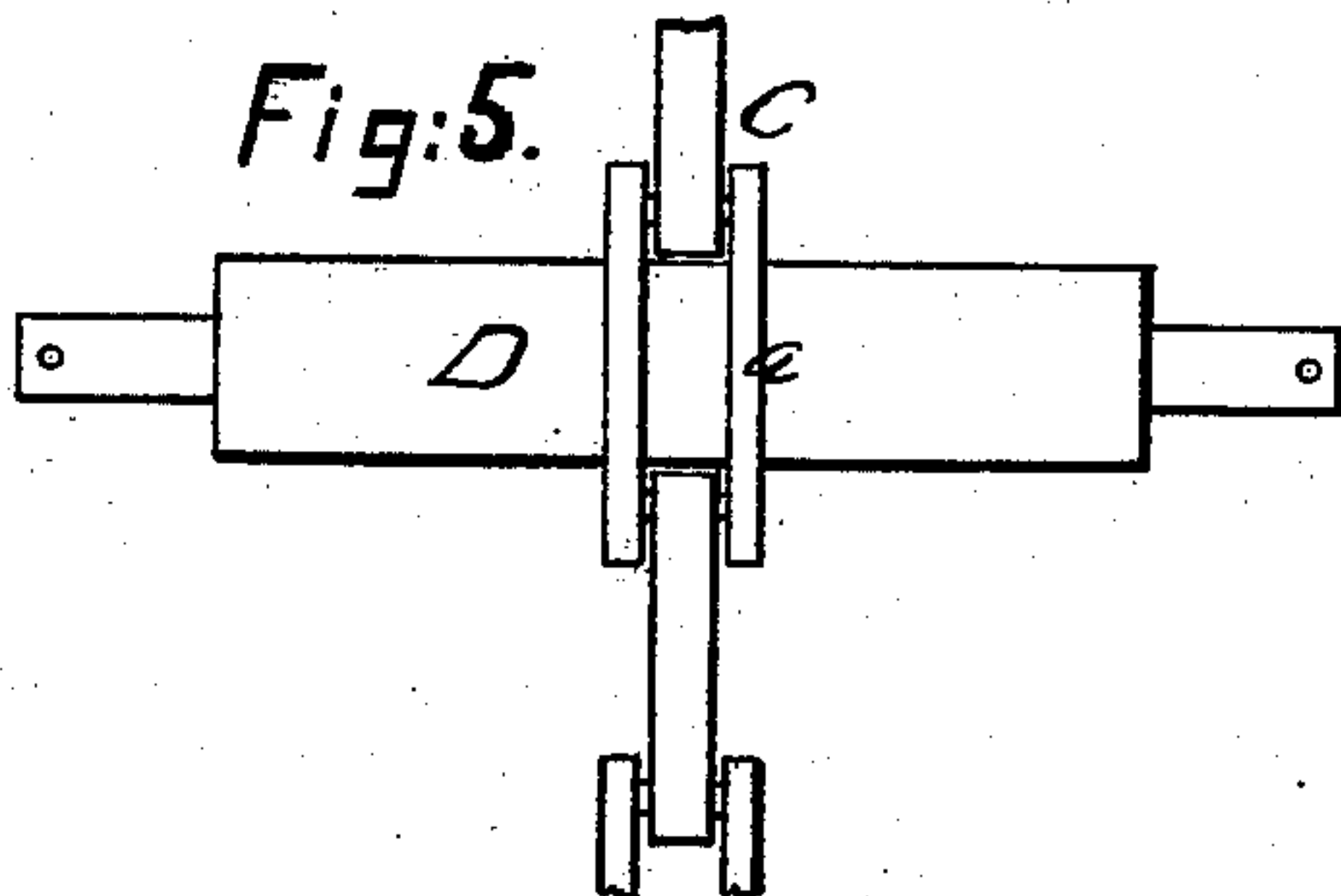
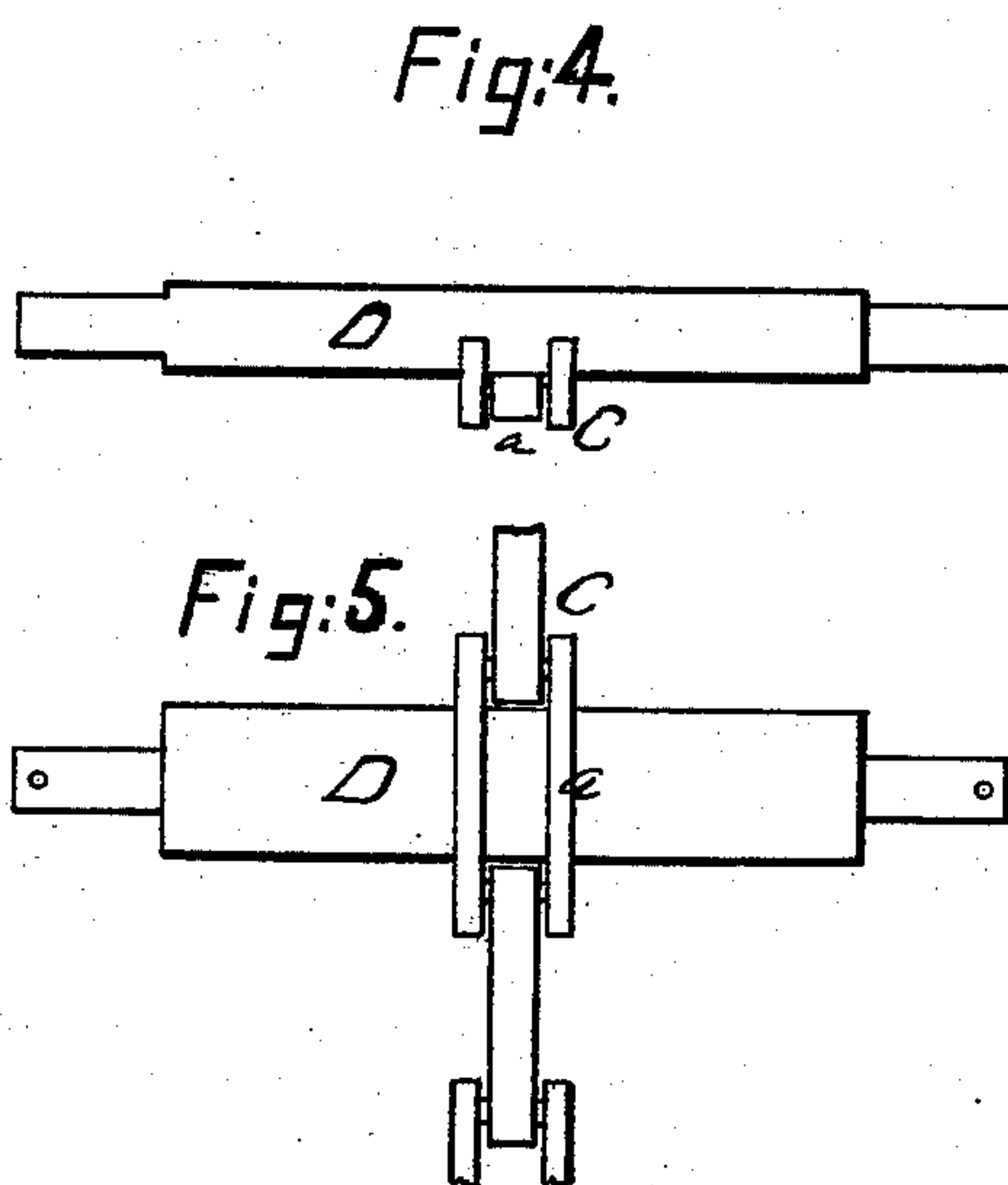
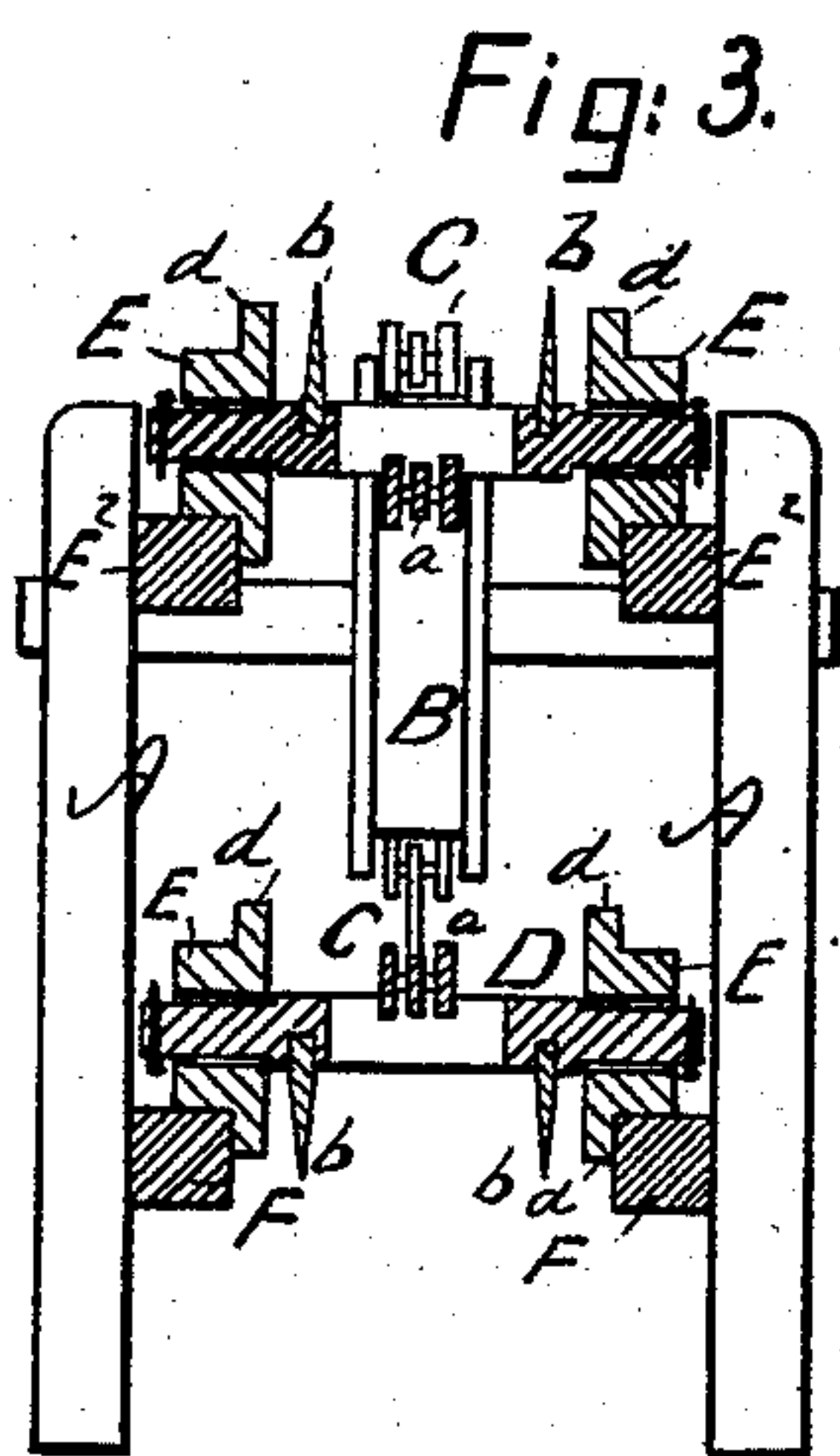
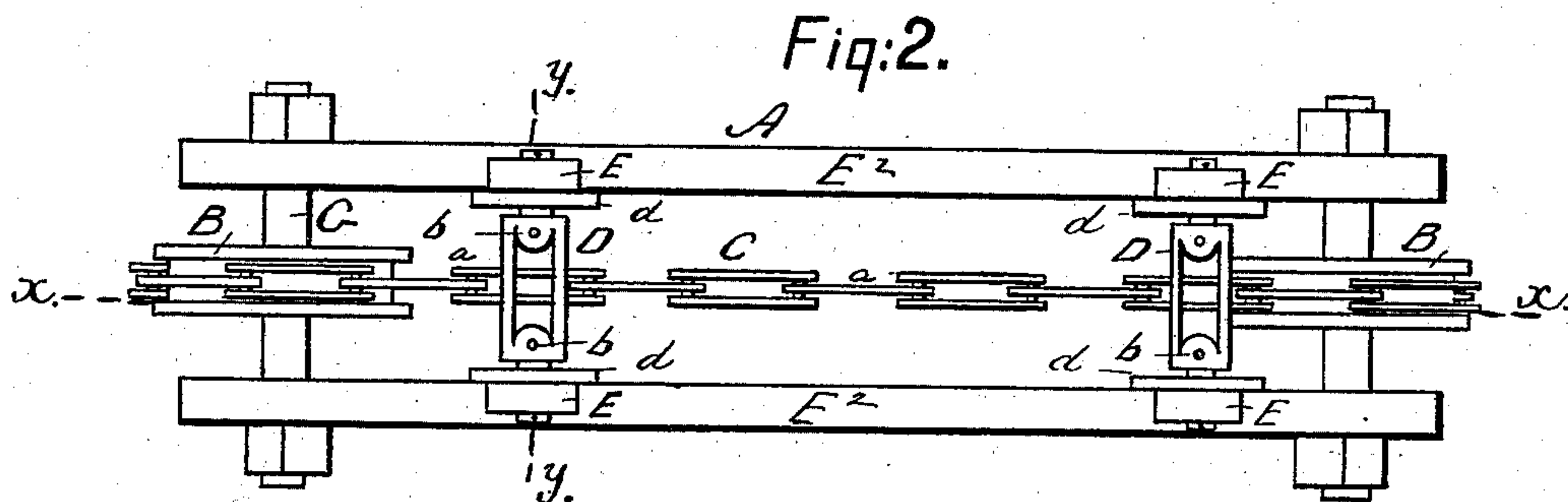
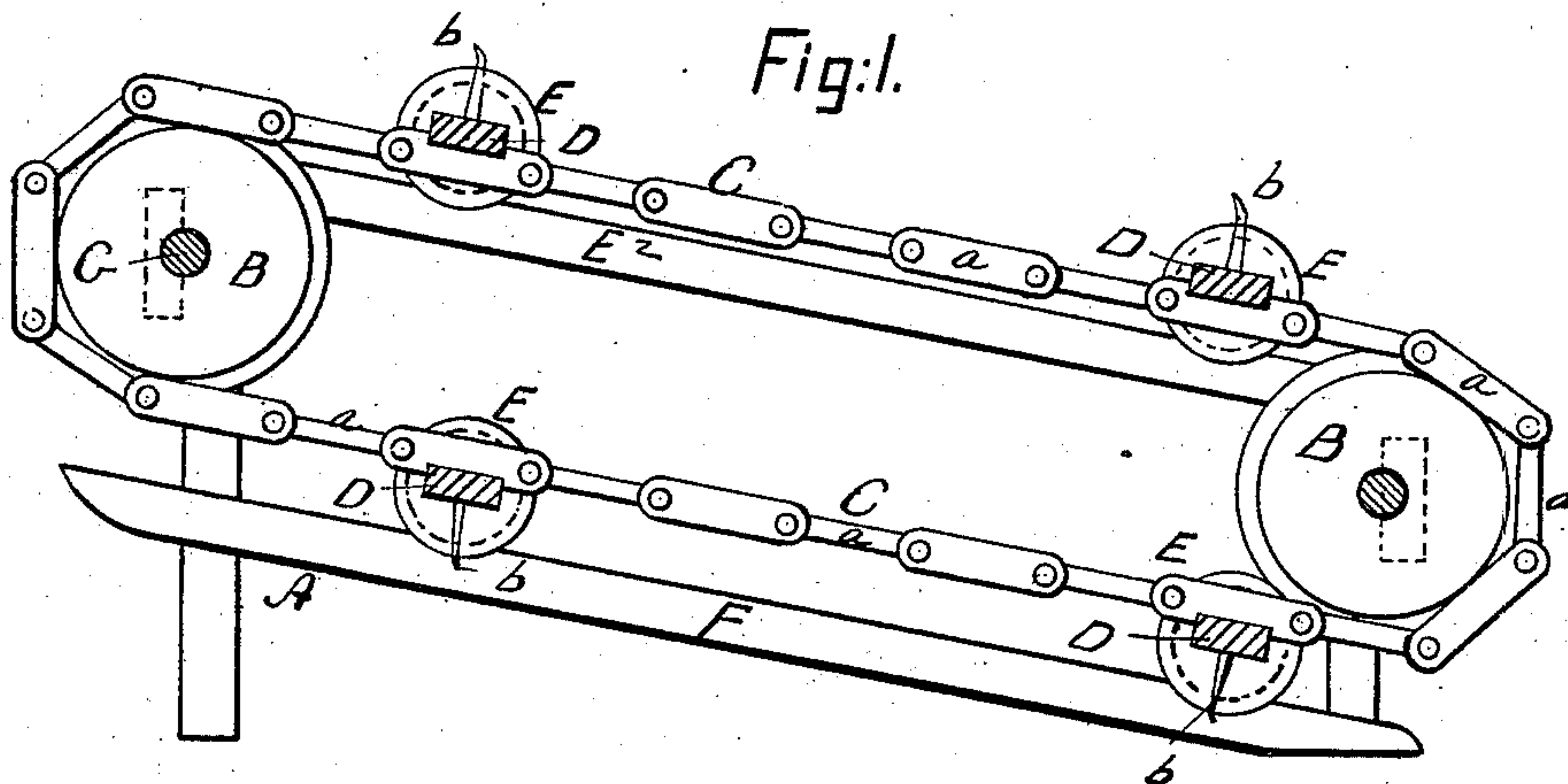


C. D. MEIGS.
Log-Conveyer for Sawmills.

No. 223,936.

Patented Jan. 27, 1880.



Witnesses.
R. H. Spalding
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UNITED STATES PATENT OFFICE.

CARLOS D. MEIGS, OF ALTONA, NEW YORK, ASSIGNOR TO ELISHA B. RICH,
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LOG-CONVEYER FOR SAW-MILLS.

SPECIFICATION forming part of Letters Patent No. 223,936, dated January 27, 1880.

Application filed July 18, 1879.

To all whom it may concern :

Be it known that I, CARLOS D. MEIGS, of Altona, in the county of Clinton and State of New York, have invented certain new and useful Improvements in Log-Conveyers for Saw-Mills, of which the following is a specification.

This invention relates to the inclined log-way of a saw-mill for drawing logs from the boom up into the mill, and to that class of such logways as employ an endless chain having dogs for dogging the log presented to it as it travels around, and thereby carrying it up into the mill.

This invention consists, mainly, in the combination, with such a chain, of wheel-trucks running upon suitable guides or rails of the supporting-frame carrying the said endless chain and its pulleys.

In the accompanying plate of drawings a log-slide of my improved construction is represented, Figure 1 being a longitudinal vertical section on line *xx* of Fig. 2, which is a plan view; Fig. 3, a cross-section on line *yy*, Fig. 2; and Figs. 4 and 5, views in detail of the wheel-truck.

In the drawings, A represents a frame-work made of any suitable form and dimensions for a logway to a saw-mill. The frame A at each end carries a pulley or spur-wheel, B, around which, from one to the other, passes an endless chain, C, composed of links *a*, connected together in the ordinary manner.

The chain C, intermediately of its length, is provided with transverse bars D, each of which is provided with dogs *b*, for dogging a log presented to them, and with wheels E, one at each end of said bars, which wheels, as the endless chain travels, run and travel on the upper side of two sets of parallel rails, E² and F, (an upper and lower set,) of the frame A, which sets of rails are suitably located therefor. These wheel-trucks or cross-bars D are located, as described, at suitable distances apart, to sustain between and by any two of them any length of log that may be presented to their dogs to be carried up by them from the boom into the mill.

The endless chain C is driven in any suitable manner by connecting its upper pulley or spur-wheel shaft, G, with the driving mechanism of the mill, and as this is well known it is not considered necessary to herein particularly describe it.

The upper set of parallel rails, E², for the wheel-trucks support the trucks and their superposed log which is being carried up into the mill, and the lower set of parallel rails F, for the wheel-trucks support the trucks as they pass around and back to their work again.

The placing of the log-carrying trucks of the endless chain on wheels which run on supporting-rails, all as above described, secures all the support desired for the chain and the log carried up by it with the least possible amount of friction, preventing wear of the rails and of the chain, and enabling a lighter chain to be used, and requiring much less power.

The cross bar or beam D of the wheel-trucks is made in one and the same piece of metal with a link of the chain in any suitable manner of manufacture—as, for instance, by casting of malleable iron—and this form is plainly shown in detail in Figs. 4 and 5.

The truck-wheels E are provided with flanges *d*, which overlap the inner edge of the guide and supporting rails E² F, and these flanges may be dispensed with, if desired.

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

A log slide or way composed of an endless chain, C, which is supported and driven in any suitable manner, and is provided with wheel-trucks D E for dogging and carrying the logs, in combination with supporting-rails for said wheel-trucks, all substantially as described, for the purpose specified.

CARLOS D. MEIGS.

Witnesses:

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