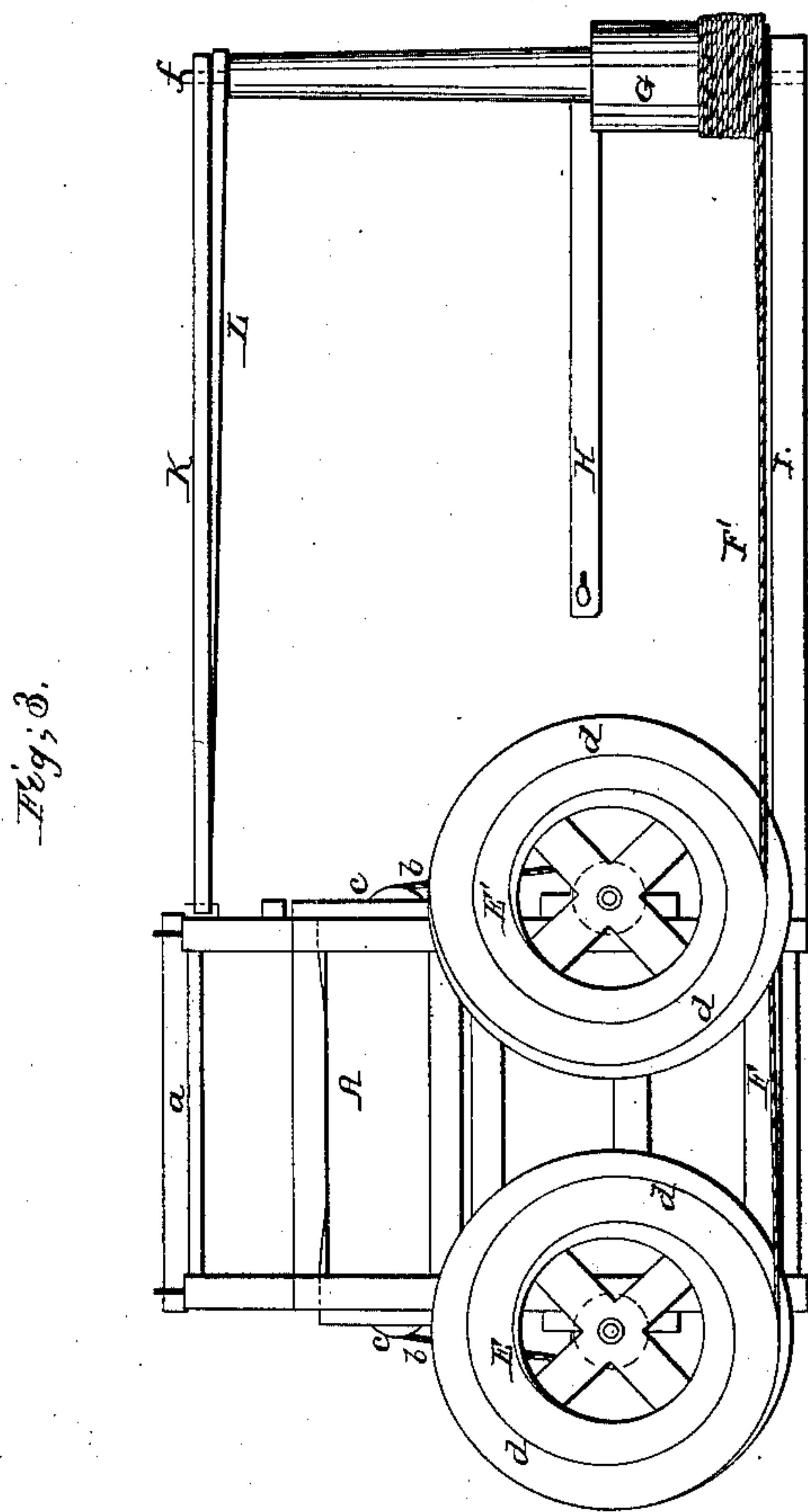
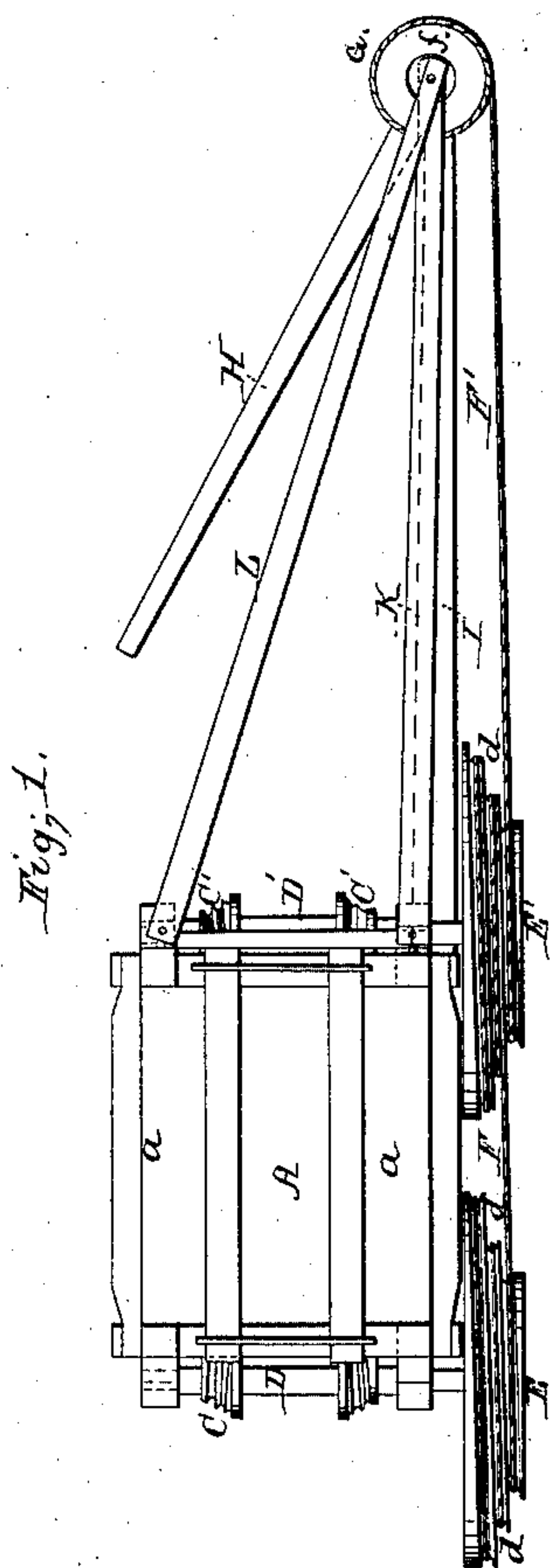
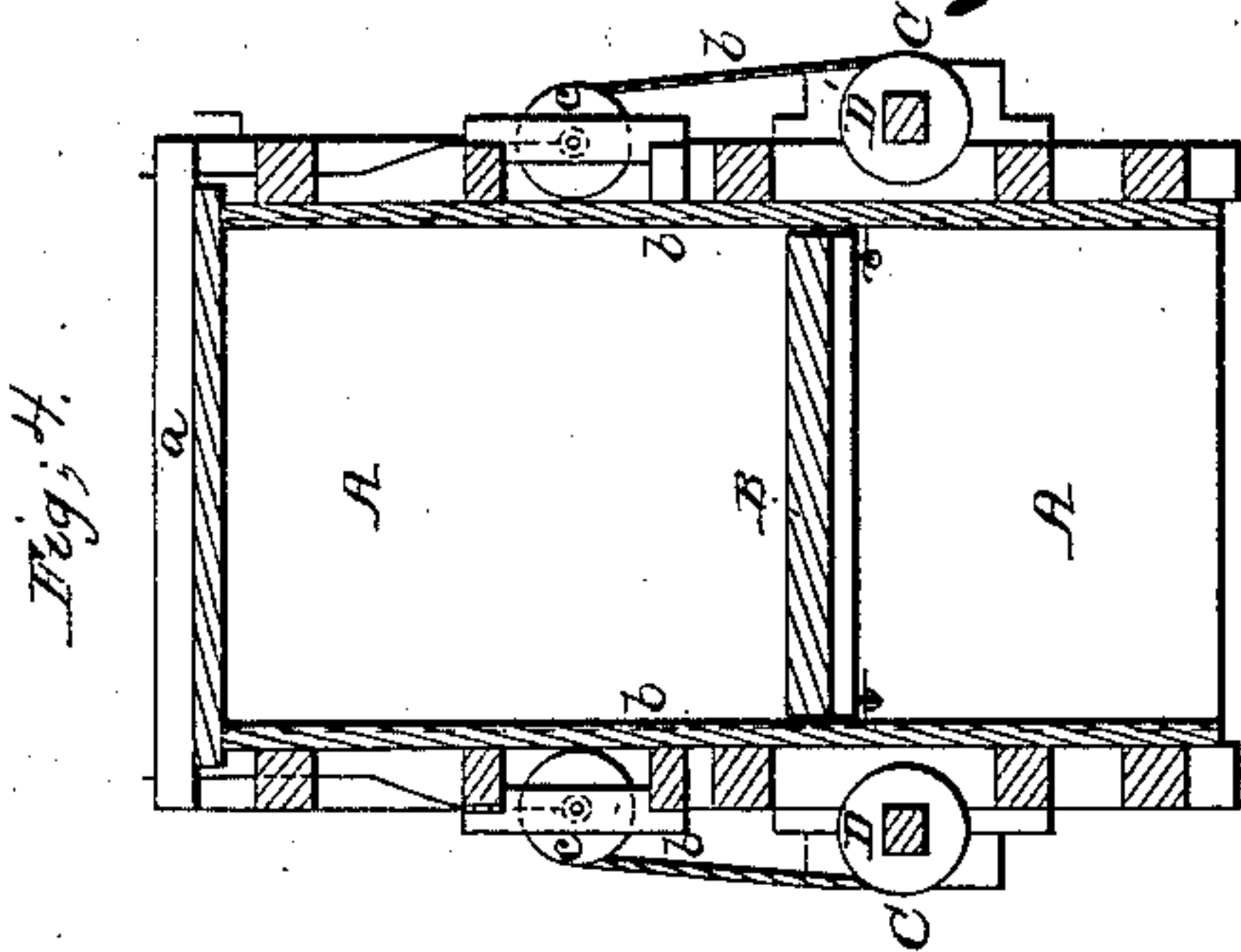
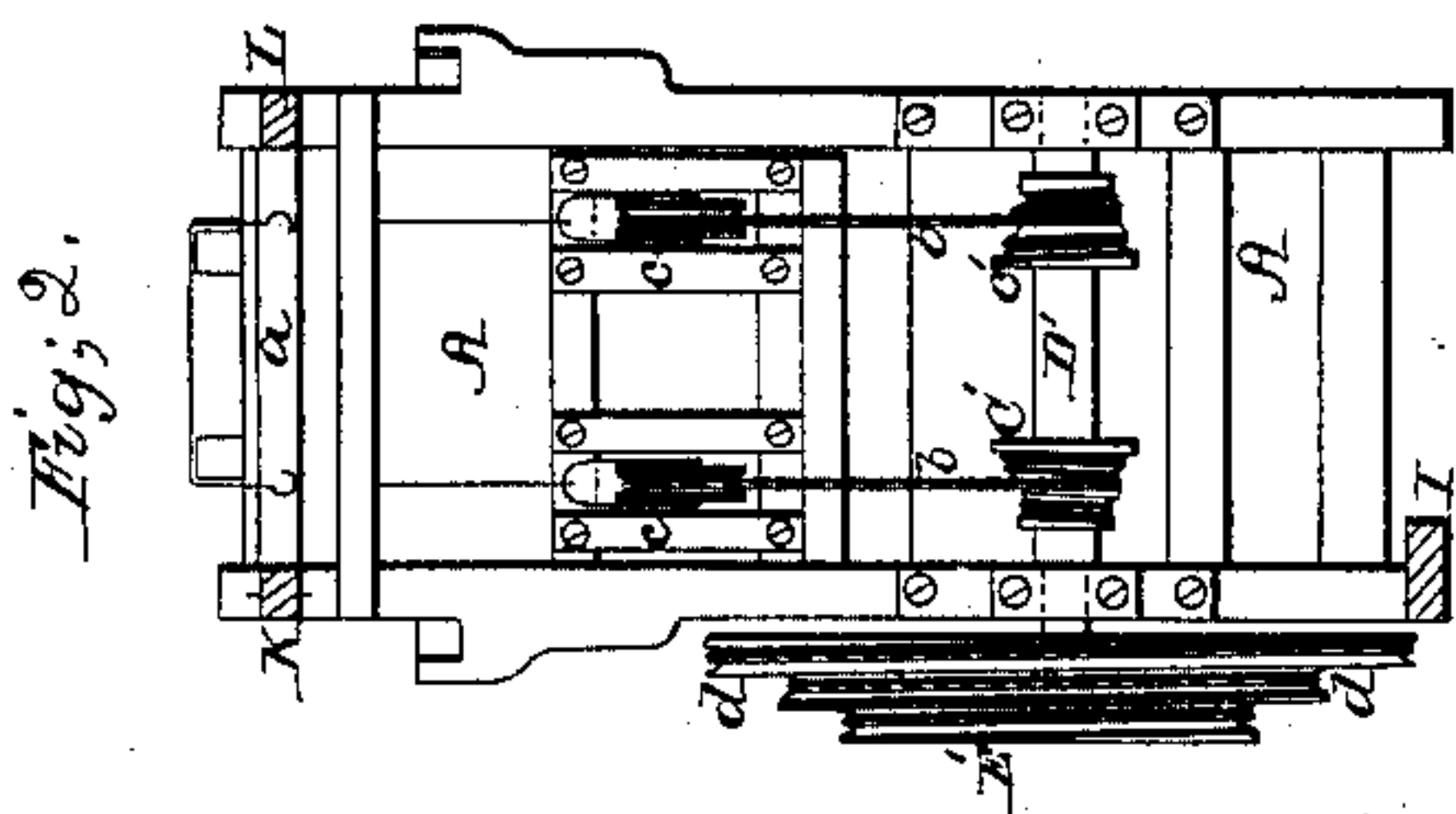


W. R. & H. M. Peavey,

Hay Press.

N^o 35889.

Patented July 15, 1862.



Witnesses;
 Minnie Abbott
 A A Howie

Inventors;
Washington R Peavey
Hobbs M Peavey

UNITED STATES PATENT OFFICE.

WASHINGTON R. PEAVEY AND HOLLIS M. PEAVEY, OF SWANVILLE, ME.

IMPROVEMENT IN HAY-PRESSES.

Specification forming part of Letters Patent No. 35,889, dated July 15, 1862.

To all whom it may concern:

Be it known that we, WASHINGTON R. PEAVEY and HOLLIS M. PEAVEY, citizens of the United States of America, and residents of Swanville, in the county of Waldo and State of Maine, have invented an Improved Hay-Press; and we do hereby declare the same to be fully described in the following specification and illustrated in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a front elevation, Fig. 3 a side elevation, and Fig. 4 a longitudinal and vertical section, of a hay-press provided with our invention.

In such drawings, A exhibits the box or case of the press, which may be constructed in the manner in which hay-press boxes are usually made—viz., with a lid or cover, *a*, and with portions of the sides of the case applied so as to be capable of being turned down, in order that the case may be readily supplied with hay, as circumstances may require.

B is the platen, which is a platform arranged horizontally within the box or case A, and is supported by four lines or ropes, *b b*, &c., each of which is carried semicircularly around a separate pulley, *c*, (arranged on one side of the case,) and from thence downward, and is fastened to one of four helical or scroll-grooved conical pulleys, C C' C', which are affixed to two horizontal shafts, D D'. The said two shafts are arranged on opposite sides of the case A, and are supported by suitable bearings affixed to it. Each of the shafts has a large flat cone or conical wheel, E or E', fastened on its front end, and provided with a spiral groove, *d*, running on one side of it from its circumference to its center, or thereabout, as shown in the drawings.

To the circumference of each of the conical wheels E E' one of two ropes, F F', is fastened, it being wound around in the groove of the wheel. After both of the said ropes are thus wound about the wheels, they are united together, and one of them is extended and fastened to a vertical windlass, G, from which a lever or arm, H, projects. The shaft of this

windlass is pivoted in a foot-strut or strong beam, I, whose inner end rests against the press-box. The journal *f* at the upper end of the shaft enters or passes through two braces, K L, which lap on one another at their outer ends, while at their inner extremities they are hooked to the case A, their connections with the said case being such as to enable them to be readily removed therefrom or applied thereto, as circumstances may require. On revolving the windlass by power applied to its lever or arm H the ropes extending from it will be wound upon it, and will draw upon and simultaneously put in rotation the conical wheels E E', thereby causing the two shafts D D' and their conical pulleys C C' C' to revolve and wind up the ropes *b b b b*, the result being that the platen will be raised in the case, and may be caused to act with great power and effect in compressing hay when within the case and resting on the said platen.

The application of the windlass to the press by means as described renders them capable of being readily detached from one another or of being arranged together for operation. The mechanism for producing pressure or for actuating the platen is found to be simple and highly effective in action, the press being one not only cheap in construction, but of great durability.

We claim—

1. The arrangement and combination of the windlass G, the two leading ropes F' F', the two scroll-wheels E E', their shafts D D', the grooved cone-pulleys C C' C', and the platen-supporting ropes *b b b b*, as set forth, the whole being for the purpose of operating the platen, as explained.

2. Combining the windlass with the press-box by means of the foot-strut and the two braces, arranged as specified.

WASHINGTON R. PEAVEY.
HOLLIS M. PEAVEY.

Witnesses:

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A. A. HOWES.