

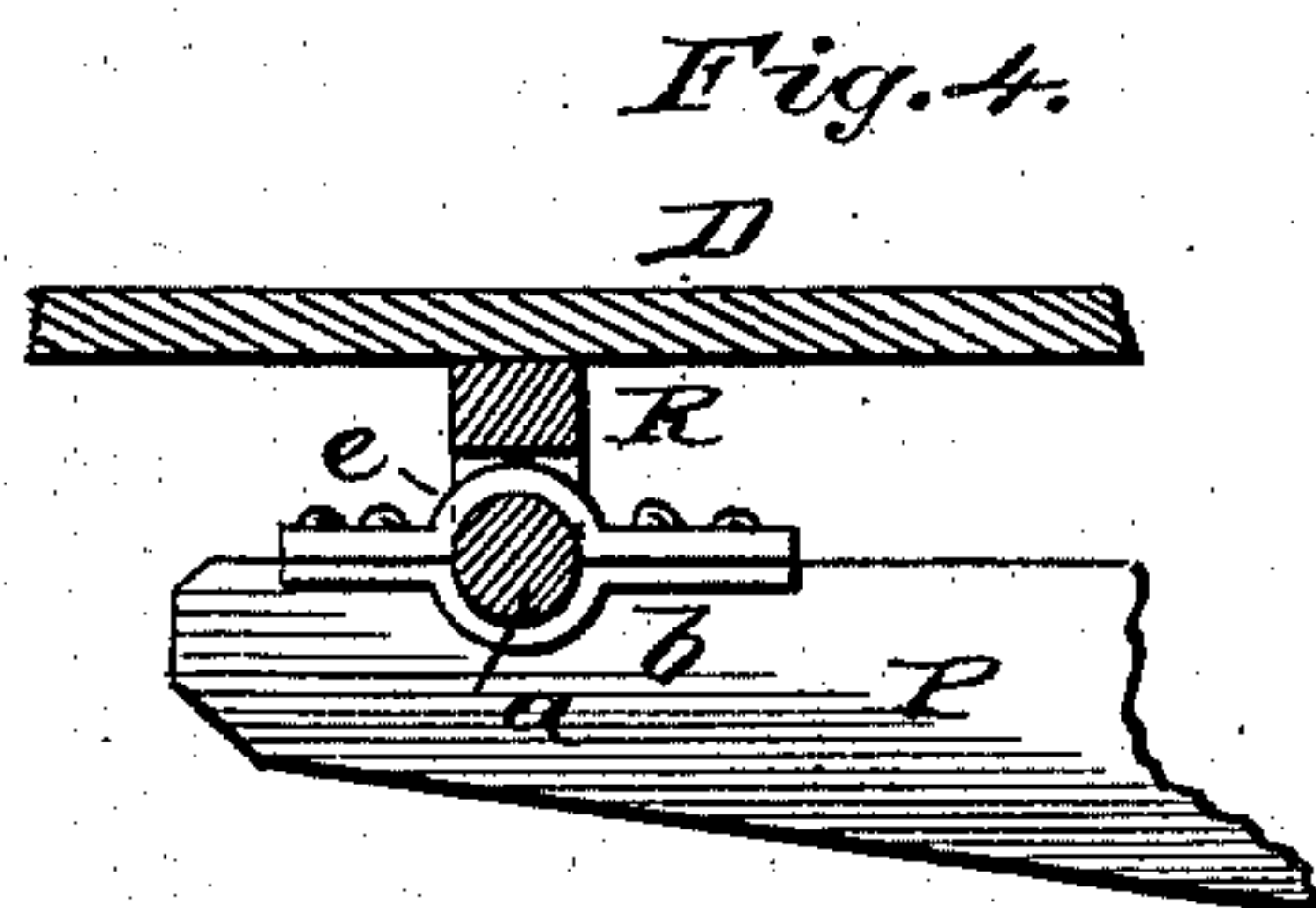
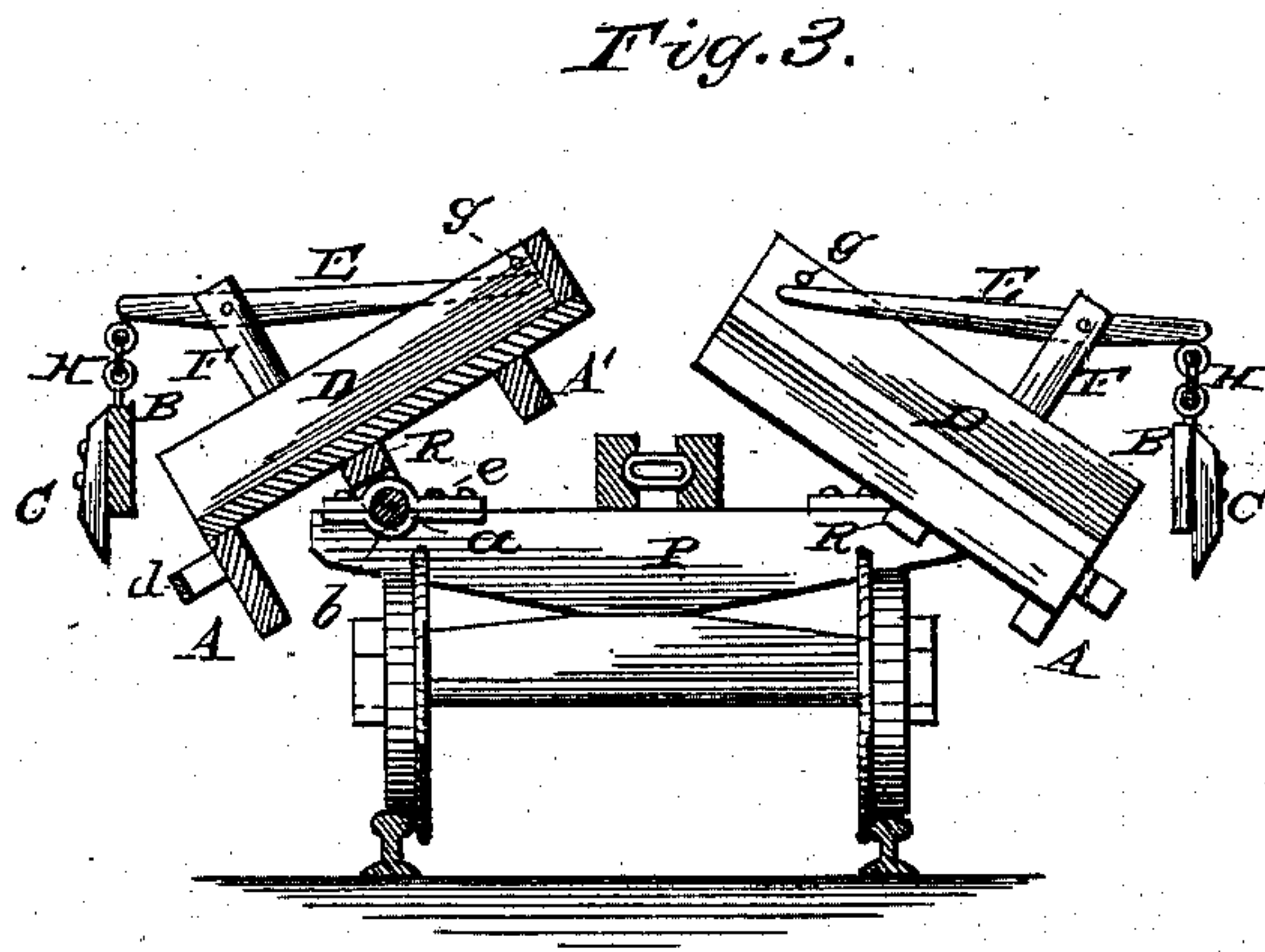
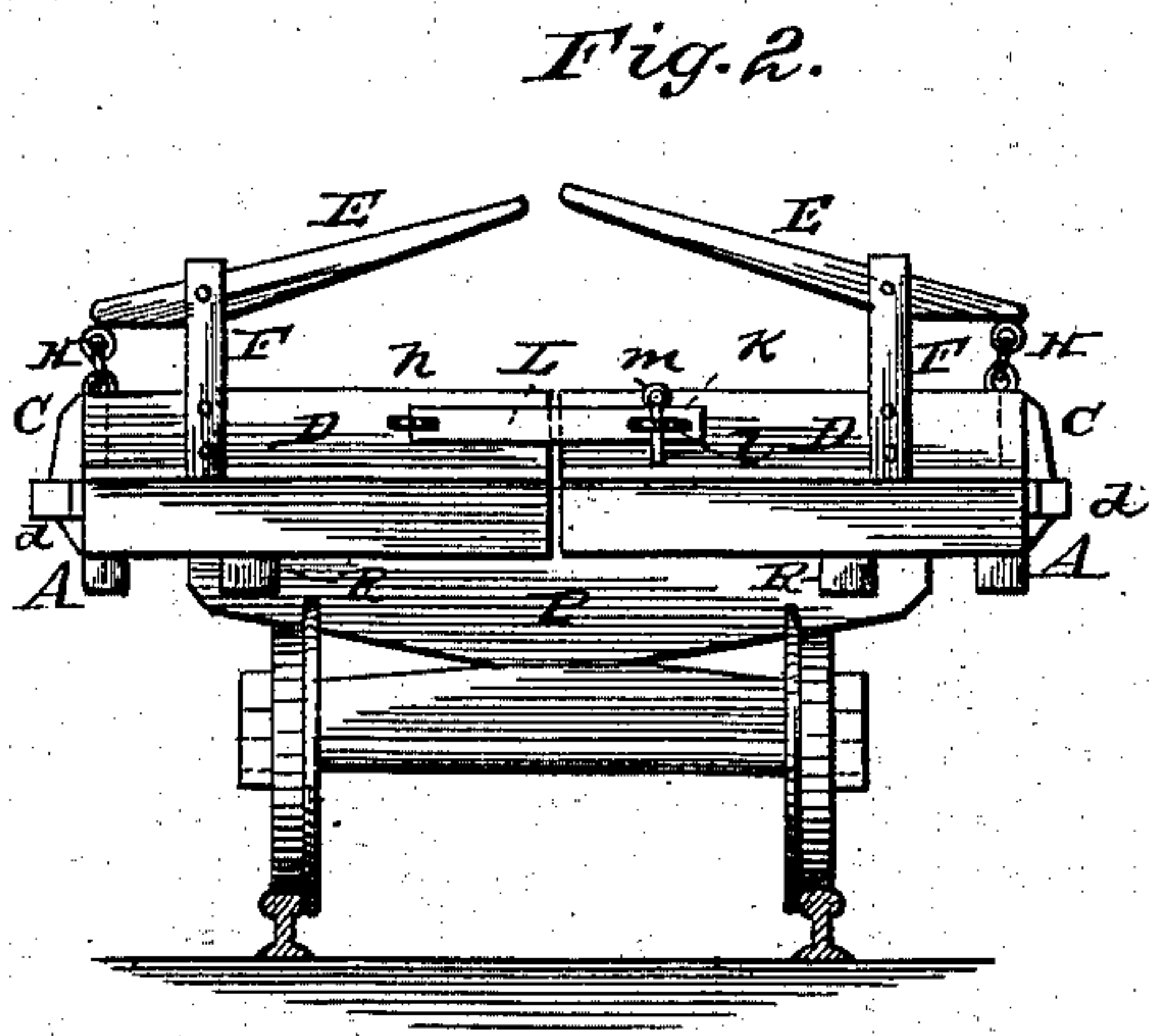
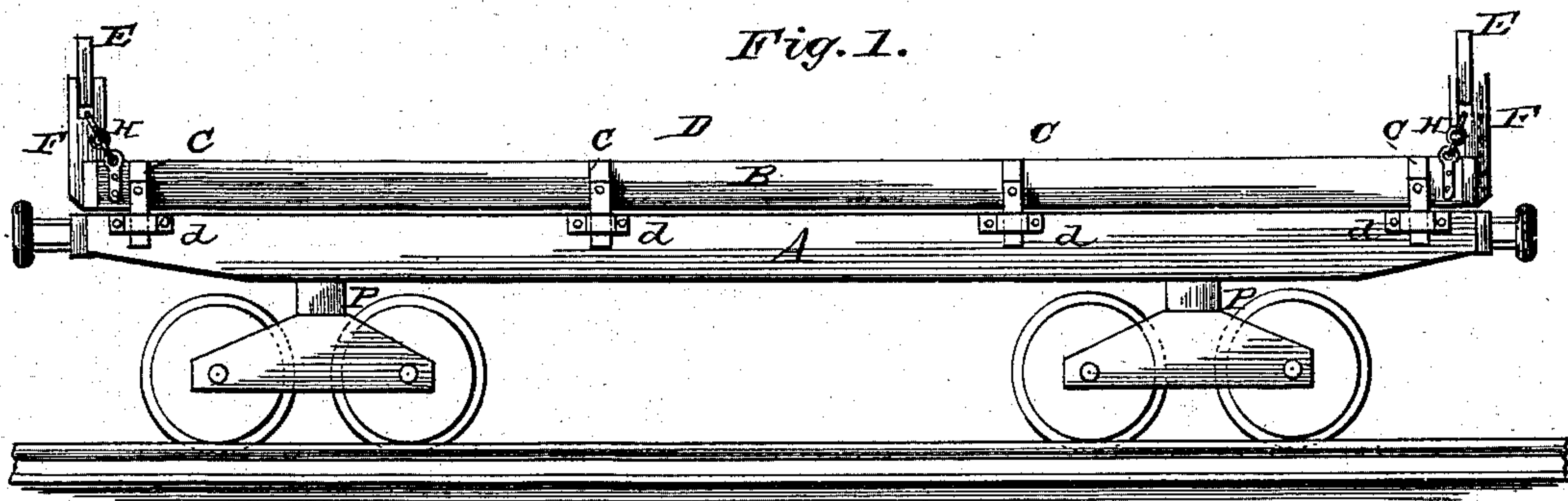
(No Model.)

C. LA COSSE.

DUMPING CAR.

No. 274,890.

Patented Mar. 27, 1883.



Witnesses:  
*Philip LeMassi,*  
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*his*  
Attorneys.



# UNITED STATES PATENT OFFICE.

CALLAX LA COSSE, OF WEST BAY CITY, MICHIGAN.

## DUMPING-CAR.

SPECIFICATION forming part of Letters Patent No. 274,890, dated March 27, 1883.

Application filed December 2, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, CALLAX LA COSSE, a citizen of the United States, and a resident of West Bay City, in the county of Bay and State of Michigan, have invented a new and valuable Improvement in Dumping-Cars; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a side view of my car. Fig. 2 is an end view. Fig. 3 is an end view, partly in section; and Fig. 4 is a detail view.

This invention has relation to dumping railway-cars; and it consists in the construction and novel arrangement of the side-boards of the pivoted boxes suspended by chains from levers, and in connection therewith the holding projections and socket-bearings in the hook connection or fastening at the ends of the dumping sections or boxes, holding them in the level position in the transverse saddles and the central sills of the dumping-sections, carrying pivots which are seated on said saddles, and in the journal combination, all as hereinafter set forth.

In the accompanying drawings, the letter A represents the outer sills or bed-pieces of the dumping-sections D, and A' the inner sills.

P indicates the transverse saddles, which form parts of the trucks, and on which the dumping-sections rest, said sections having central sills, R, carrying the journals or pivots *a*, which are seated in bearing-plates *l*, which are firmly secured to the transverse saddles, suitable cap-plates, *e*, being provided to cover the journals and hold them in position.

B B represent the movable side-boards of the dumping-boxes. These side-boards are provided with stakes or projections C, which extend downward below the lower edges of the boards, and are designed to engage sockets *d*, which are secured to the outer sills, A, of the boxes, when these boxes are level and the side-boards are lowered into position to close the boxes on the outside.

E E indicate levers, which are pivoted to standard F, secured to the ends of the dumping-sections, and are connected to the side-

boards by chains H. By operating these levers the side-boards can be raised, disconnecting the stakes C from the sockets *d*. In this position the side-boards are suspended free from the sections, so that the latter can be tipped to discharge their loads without obstruction. The inner ends of the levers are held down by catches *g*.

L represents a strap or hasp fastening, which is connected by staple *h* to the end of one dumping-section, and, extending across, engages by its slotted end *k* a staple, *l*, on the other section, being secured thereto by a movable pin, *m*. By means of this strap-connection the sections D are held together in level position. In the dumping operation this strap-connection is unfastened. After dumping, the sections are turned back into level position, the side-boards are let fall into place, their stakes engaging the sockets of the sills A, and the strap-connection is fastened.

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

1. The dumping-sections having the suspended side-boards B, connected to levers E by chains H, the sill-sockets *d*, and the stakes C of said side-boards, designed to engage said sill-sockets, substantially as specified.

2. The dumping-sections having the outer sills, A, inner sills, A', and central sills, R, carrying journals *a*, and the strap or hook fastening L, connecting the ends of said sections, in combination with the transverse saddles P and the journal-bearings thereon, substantially as specified.

3. The combination, with the saddles P and their bearings *b*, of the pivoted dumping-sections D, their strap-fastening L, levers E, suspended side-boards B, stakes C, and sockets *d*, and the lever-catches *g*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CALLAX <sup>his</sup> X LA COSSE.  
mark.

In presence of—

STEPHEN P. FLYNN,  
JAMES E. THOMAS.