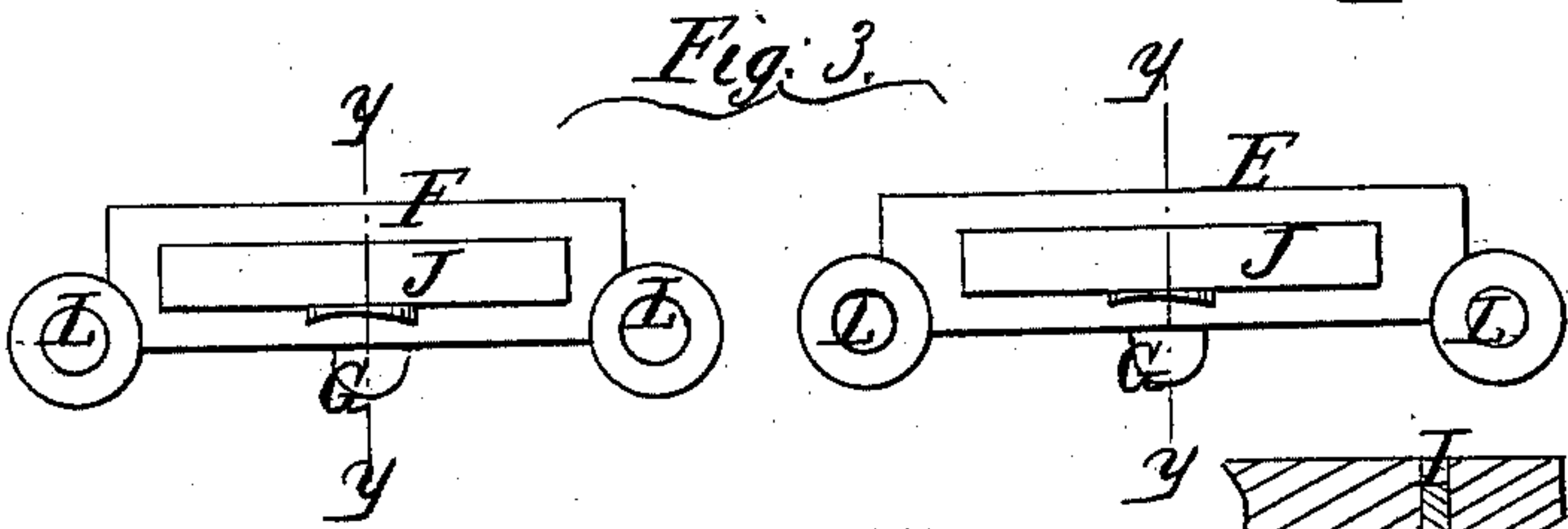
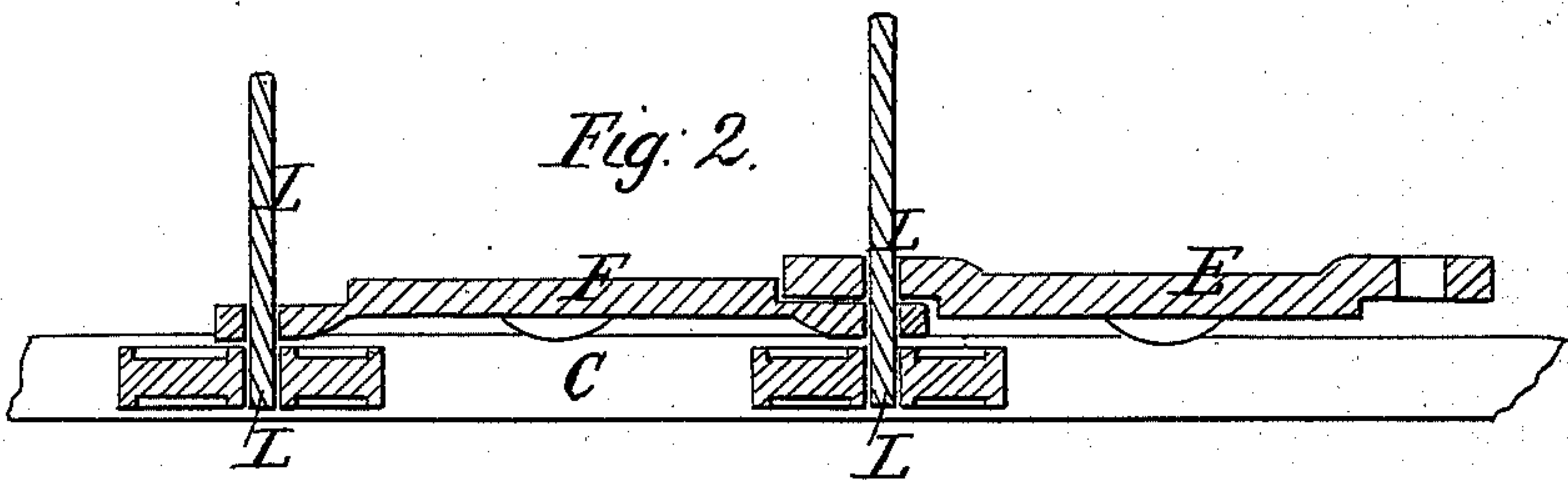
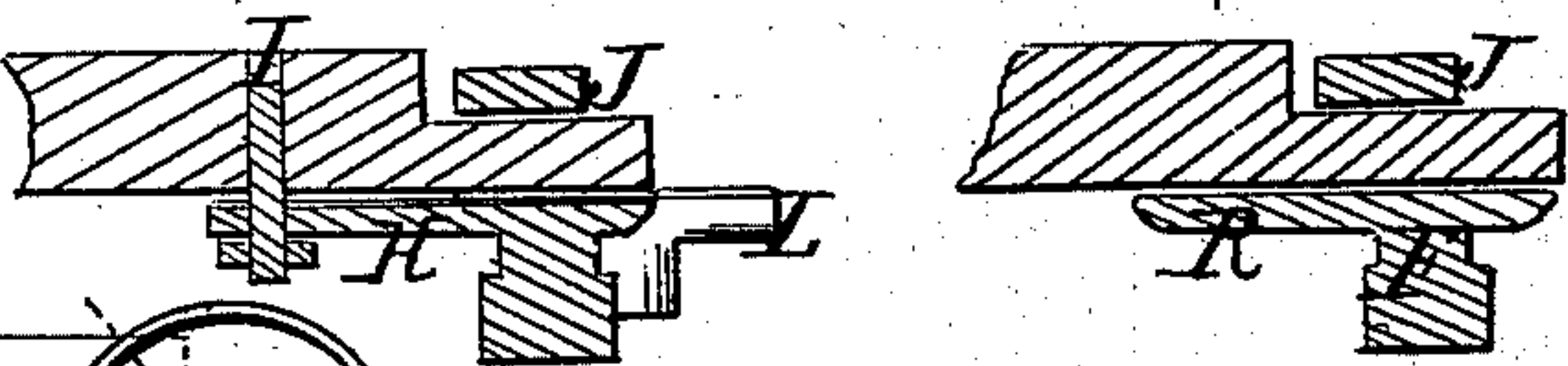


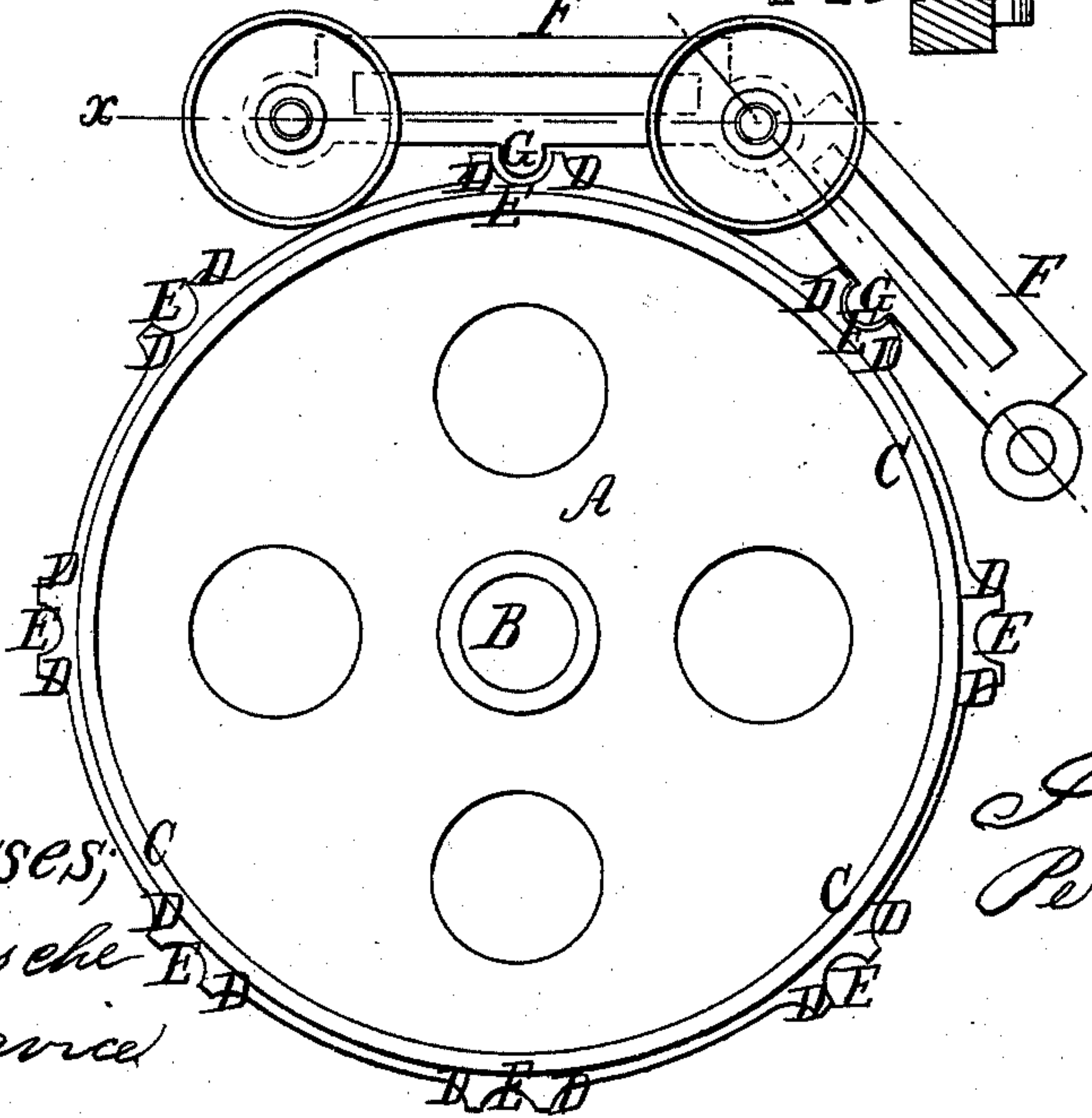
*S. Coin,*  
*Horse Power,*  
*N<sup>o</sup> 68,957.      Patented Sep. 17, 1867.*



*Fig. 4.*



*Fig. 1.*



*Witnesses;*  
*Theo Fusch*  
*J. A. Service*

*Inventor;*  
*S. Coin*  
*Per Munn & Co*  
*Attorneys*



# United States Patent Office.

S. COIN, OF CAZENOVIA, NEW YORK.

*Letters Patent No. 68,957, dated September 17, 1867.*

## IMPROVEMENT IN HORSE-POWER.

*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, S. COIN, of Cazenovia, in the county of Madison, and State of New York, have invented a new and useful Improvement in Horse-Powers, and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvement, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim, and desire to have secured to me by Letters Patent.

The present invention relates to that class of horse-powers in which an endless platform is employed, on which the horse travels, and thus imparts power; and this invention consists more particularly in a novel construction of the link-pieces for the several sections of the platform, whereby in their application and attachment to the platform sections the iron tie-rods heretofore used are dispensed with, and the machine not only much simplified but made lighter, and its cost of construction diminished. In the accompanying plate of drawings my improvement in horse-powers is illustrated—

Figure 1 being a side or face view of the horn-wheel, showing two links as running upon the same.

Figure 2, a section through one of the links, taken in the plane of the line *x x*, fig. 1.

Figure 3, a side view of the link shown in fig. 1, when disconnected, and having its friction-wheels detached; and

Figure 4, a vertical section taken in the plane of the line *y y*, fig. 3.

A, in the drawings, represents one of the horn-wheels of that class of horse-powers to which the present invention relates. B, the hub to the wheel. C, a flange or flanch around the periphery of the wheel A, upon which flange the pulley or friction-wheels to the links run. D, the horns to the horn-wheel A, in the spaces E between which the projections or cogs to the links engage or run. F, the links, to which the floor or platform-sections are to be attached, one at each end of the same; the several links with their sections being connected or hung together so as to form a continuous or endless platform or floor. These links F are each formed with a cog or projection, G, upon their under side, by which projection the link engages with and runs in the spaces between the horns to the wheel. H, flanch or ear-piece, projecting from the links B toward the centre of the floor-sections; and I, a bolt passing through the said ear-piece H and the floor outside of the link, which floor end extends into or enters the cut-out portion J of the link, from one side to the other, projecting at its end and resting upon a flange or ear-piece, K, of such side of the link. L, pins or hubs, projecting from each side of the link, and at each of its ends, by which pins, upon one side of the link, the links are joined and pivoted or hinged together, as it were; the pins on the opposite sides of the link carrying pulley or friction-wheels, for running upon the flange to the horn-wheel.

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

The flange C to the horn-wheel A, substantially as and for the purpose described.

I also claim the links F, constructed substantially as and for the purpose described.

S. COIN.

Witnesses:

M. SPEAR,

GEO. A. SPEAR.