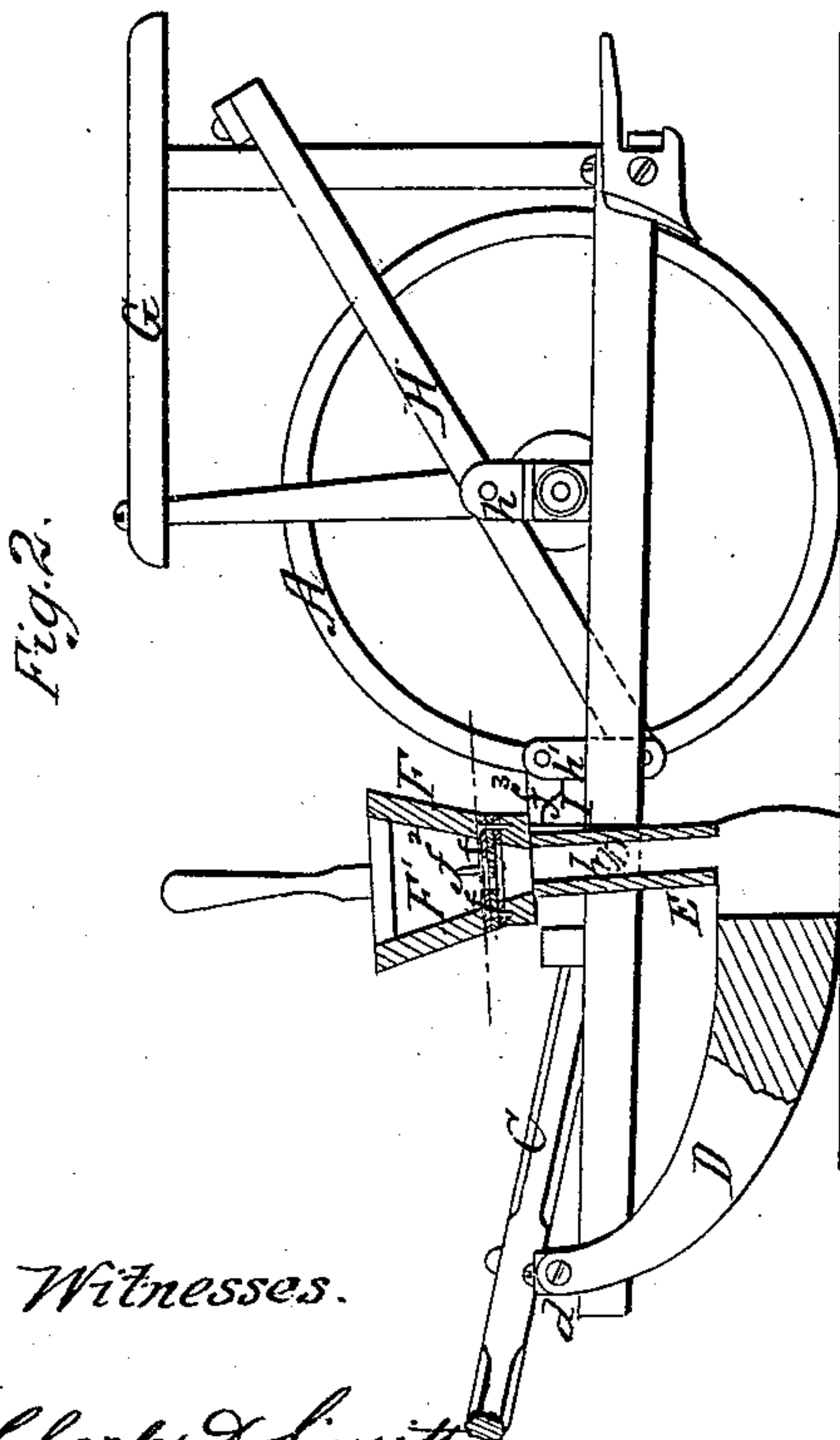
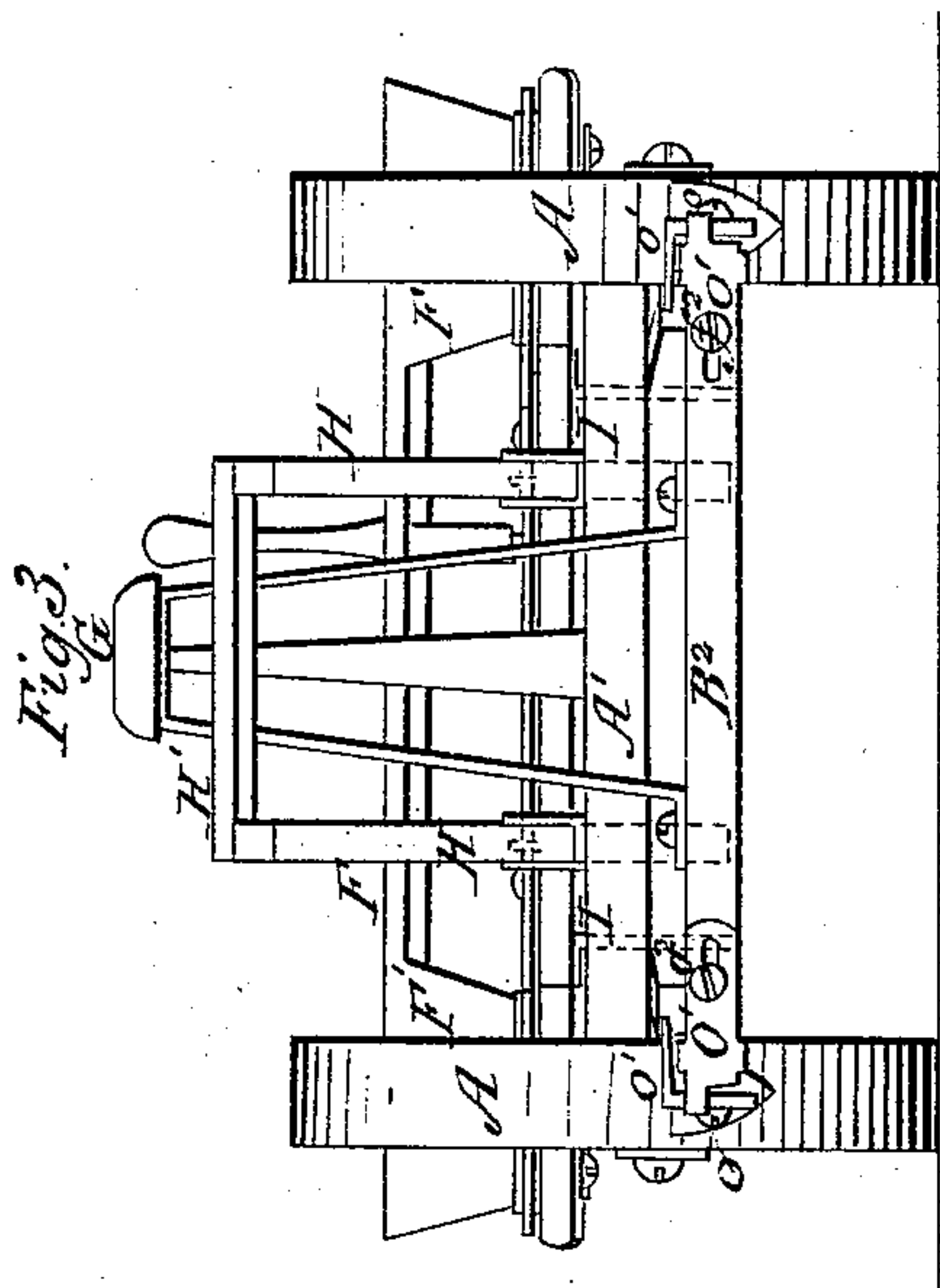


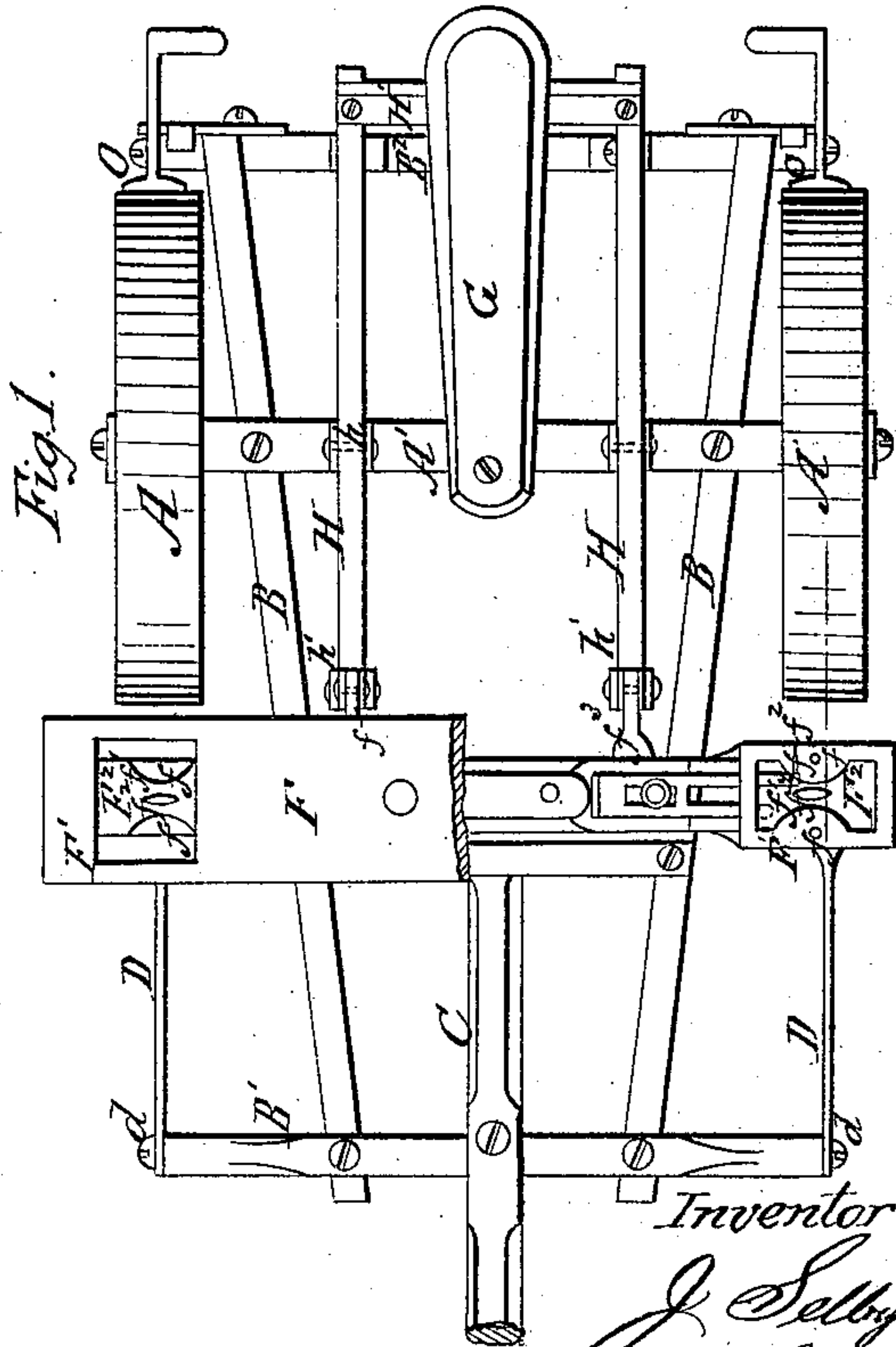
J. SELBY.
Corn Planter.

No. 44,019.

Patented Aug. 30, 1864.



Witnesses.
Charles D. Smith.
R. A. Mayhew.



Inventor.
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Atty.

UNITED STATES PATENT OFFICE.

JAMES SELBY, OF PEORIA, ILLINOIS.

IMPROVED CORN-PLANTER.

Specification forming part of Letters Patent No. 44,019, dated August 30, 1864.

To all whom it may concern:

Be it known that I, JAMES SELBY, of the city and county of Peoria and State of Illinois, have invented a new and Improved Corn-Planter; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plan of my improved corn-planter with a portion of the hopper removed to expose some of the parts located beneath. Fig. 2 is a sectional elevation of the same with one of the wheels removed, the section being taken in the line *x x*. Fig. 3 is a rear view of the same.

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

This invention consists, first, in an improved arrangement of devices for raising the runners out of contact with the ground to avoid obstacles or when the machine is not planting; second, in a novel manner of applying the pivoted frame upon which the hopper is mounted, and in peculiar devices for adjusting the same; third, in improved dropping mechanism; fourth, in a novel construction and arrangement of scrapers for removing dirt which may accumulate on the peripheries of the wheels.

In order that others skilled in the art to which my invention appertains may be enabled to fully understand and use the same, I will proceed to describe its construction and operation.

In the accompanying drawings, *A A* may represent the wheels, *A'* the axle, *B B B' B² B³* the frame, and *C* the tongue, of the machine. To the respective ends of the transverse bar *B'*, at the front of the machine, are attached the runners *D D* by means of pivots *d*. From the rear of the runners *D* rise the conducting-tubes *E*, upon which rests the hopper *F*.

G represents the driver's seat.

H H represent levers, which are connected together at their rear ends, so as to move simultaneously, by means of a transverse bar, *H'*, and pivoted at *h* upon the axle *A'*. To the front ends of the levers *H H* are pivoted links *h' h'*, which at their opposite and upper ends are pivoted to lugs *f³ f³*, projecting from the under side of the hopper *F*. The levers *H H* are arranged respectively on each side of the driver's seat, so that by bearing down thereupon with

his feet the driver is enabled to elevate the hopper, and consequently raise the cultivator-teeth to any desirable height from the ground.

The runners *D D* being pivoted to the transverse bar *B'*, and the hopper *F* moving simultaneously with the runners *D D* and conducting-tubes *E*, cause the movement of the whole to be performed in the arc of a circle, and it will be seen that the pivoting of the links *h' h'* at both ends is admirably adapted to facilitate the elevation of the runners by the depression of the levers *H H*.

Hitherto it has been the practice to arrange the pivoted frame to which the runners are attached in such manner that when the runners were to be elevated the frame would turn within or between the main frame *B B*. In my invention many of the appendages of this pivoted frame are dispensed with, the same being constituted by the hopper, the conducting-tubes, and the runners themselves. The conducting-tubes and runners are arranged to work directly in front of the wheels of the machine, and are adapted respectively to move on the outside of the frame *B B* when being turned up out of contact with the ground.

I I represent slotted plates projecting upward from the bars *B B*, and secured thereto by means of set-screws *i i*, by means of which they may be securely adjusted in any position in which they may be placed, so as to retain the hopper *F* in proper position to cause the runners *D D* to penetrate to the depth at which it may be desired to have them work. The upper ends of the plates *I I* are deflected in order to form suitable surfaces for the under side of the hopper to rest upon. In each of the seed-boxes *F' F'* are located stationary semicircular plates *f f*, which constitute cut-offs for the seed-apertures *f' f'* in the slide *F²*. These cut-offs *f f* are placed in contraposition with each other, and it is evident that their peculiar construction adapts them to perform their function of separating the quantity of corn to be dropped at every reciprocation of the slide *F²* without in any manner injuring the same. It is apparent that the same remark may be applied with relation to the operation of the stirrers *f² f²*, which stirrers are rigidly secured in and project upward from the slide *F²*. The stirrers *f²*, moving forth and back between the cut-offs *f f*, keep the corn in motion and prevent the same from packing, the rounded edges of the

cut-offs *f* allowing the grains to slide from one position to another without danger of injury. The slide may be adapted for adjustment in any suitable manner in order to vary the capacity of the seed-apertures *f' f'*.

O O represent scrapers secured on the respective ends of the transverse bar B² at the rear of the machine by means of pivots *o o*, and provided at their rear ends with foot-rests *o' o'*, to enable the driver from his seat G to press the scrapers in contact with the peripheries of the wheel to remove any dirt which may adhere thereto.

O' O' represent slotted plates, which may be secured in any position in which they may be placed by set screws *o² o²*. These plates may be slid outward, and so adjusted in order to retain the scrapers firmly in contact with the wheels; or said plates may be moved inward, so as to adapt the scrapers to hang loosely and

be operated at intervals by the feet of the driver.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. The links *h' h'*, jointed at their respective ends to the pivoted frame D E F and treadles H H, and operating in the manner described to facilitate the elevation of said pivoted frame.

2. The combination of the pivoted frame D E F with the adjustable plates I I for gaging the depth at which it is desired to have the runners work, substantially as set forth.

3. The scrapers *o o*, in combination with the sliding plates *o' o'*, constructed and operating in the manner and for the purpose explained.

JAMES SELBY.

Witnesses:

MICHAEL D. SPURCK,
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