

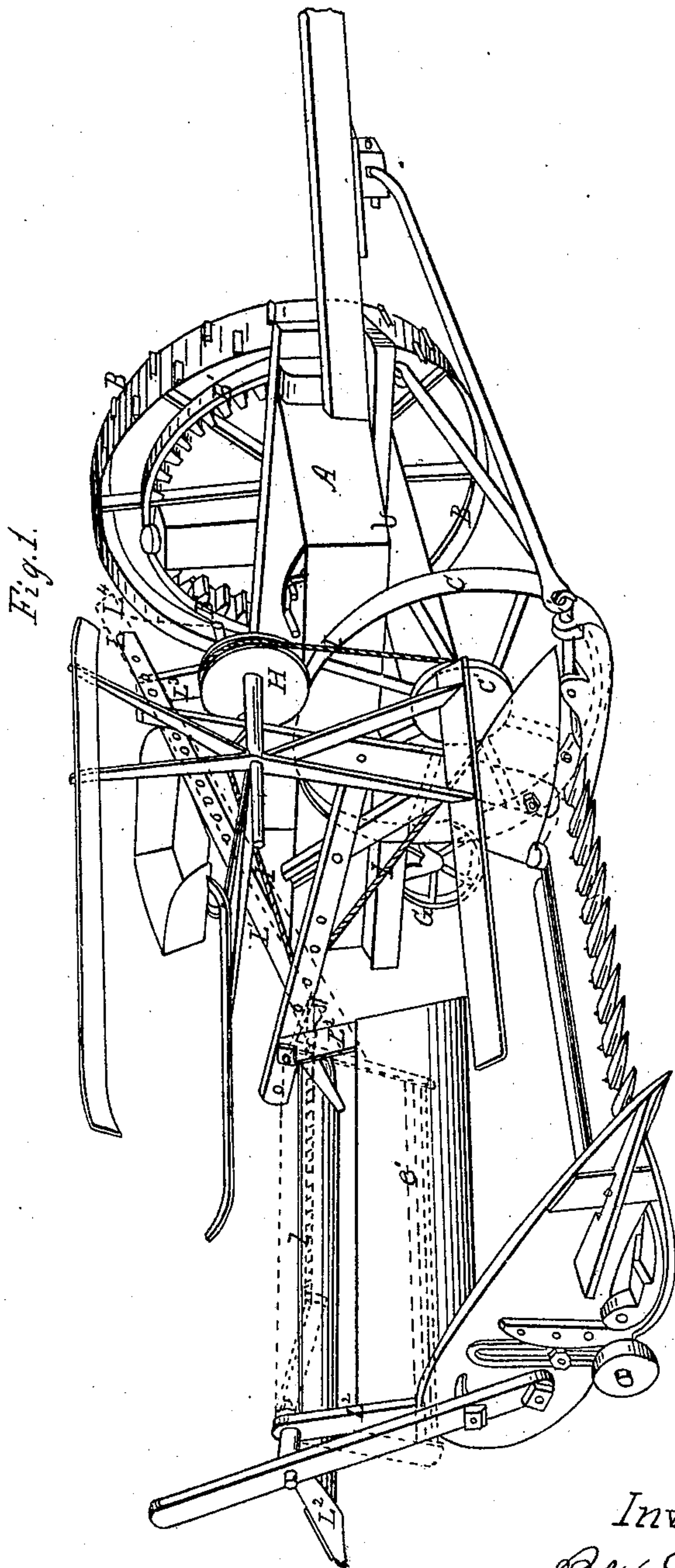
Sheet 1-3 Sheets.

B. W. Steschult.

Harvester Dropper.

N^o 85487

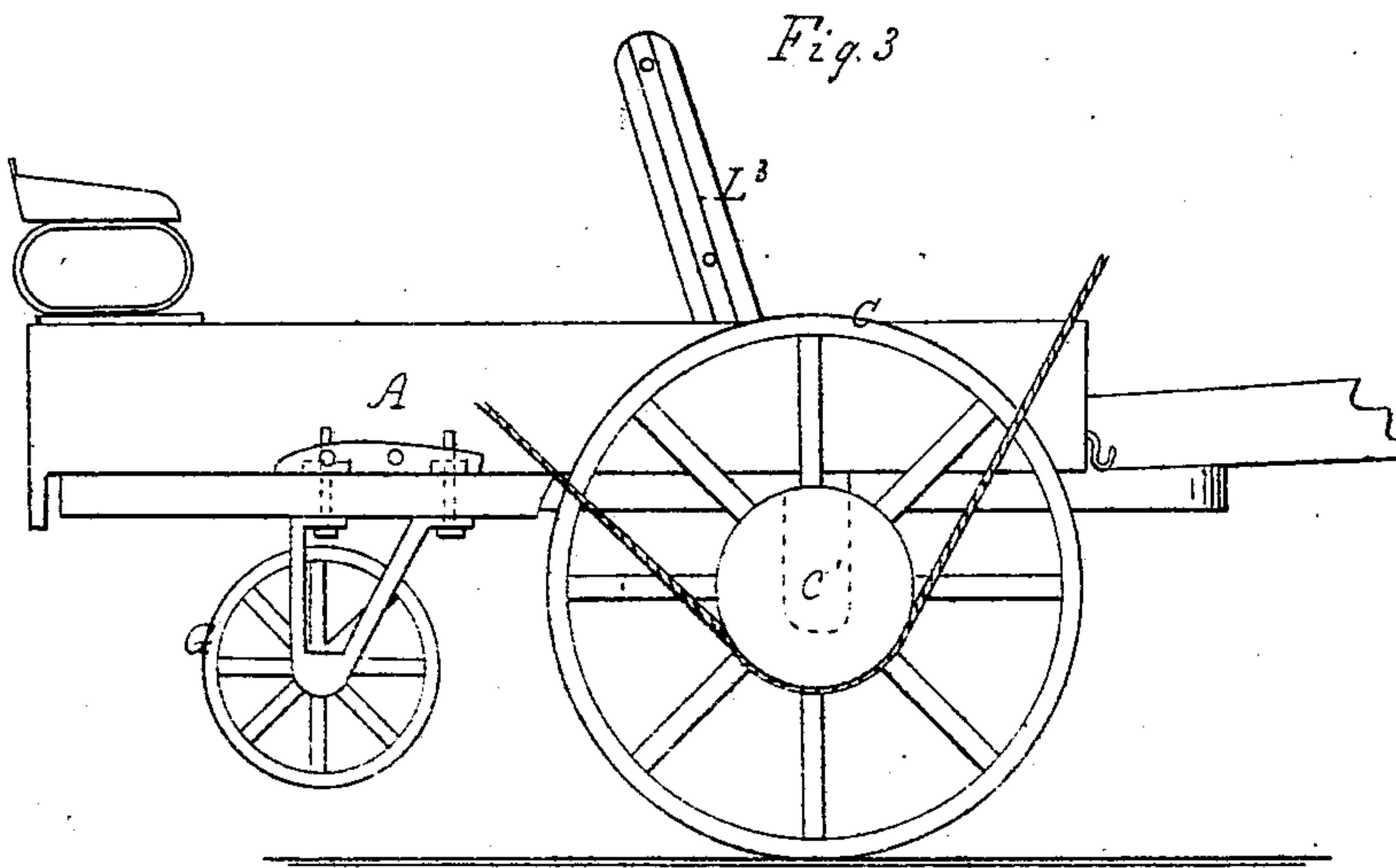
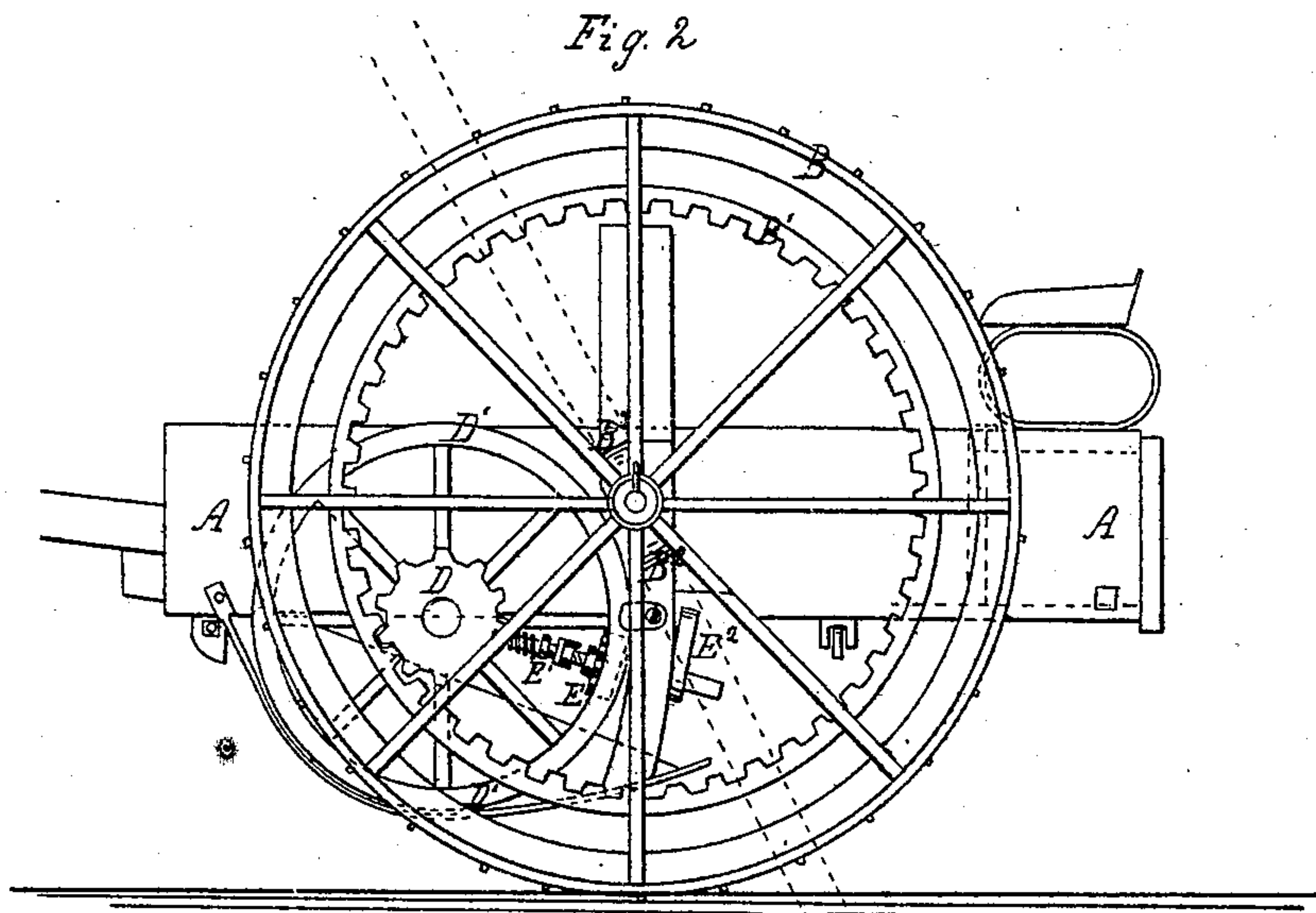
Patented Dec. 29, 1868.



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N^o 85437 *Patented Dec. 29, 1868.*



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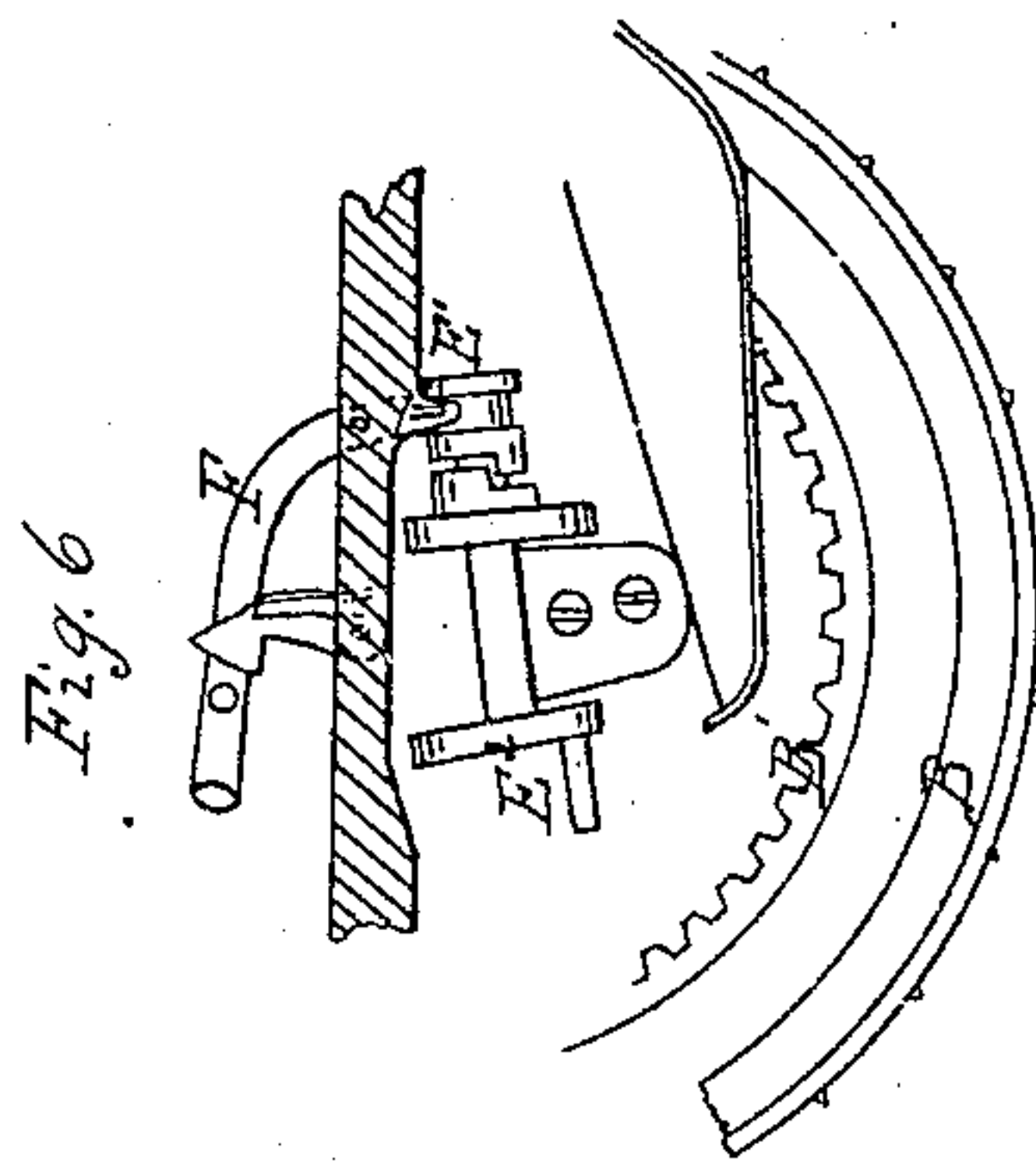
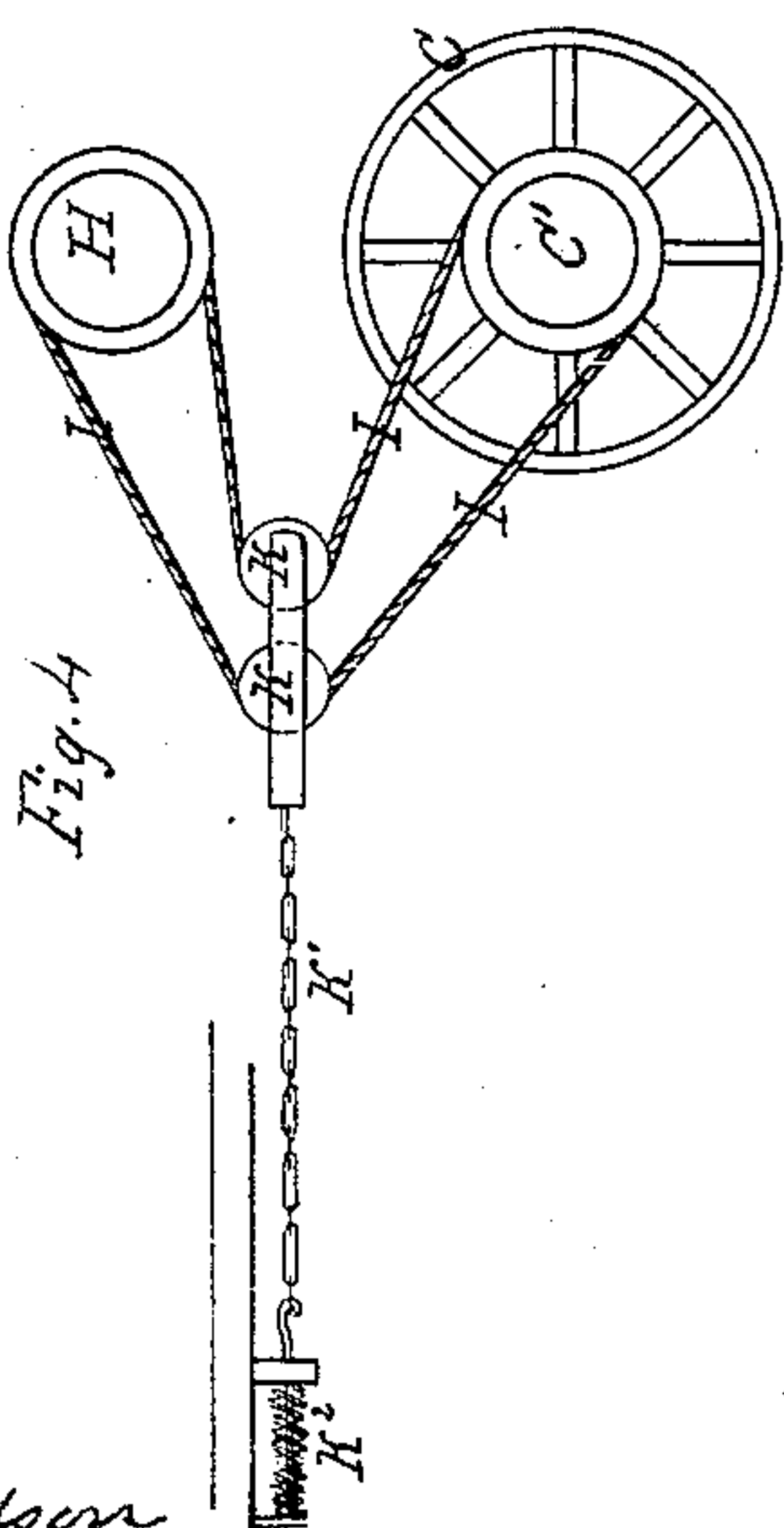
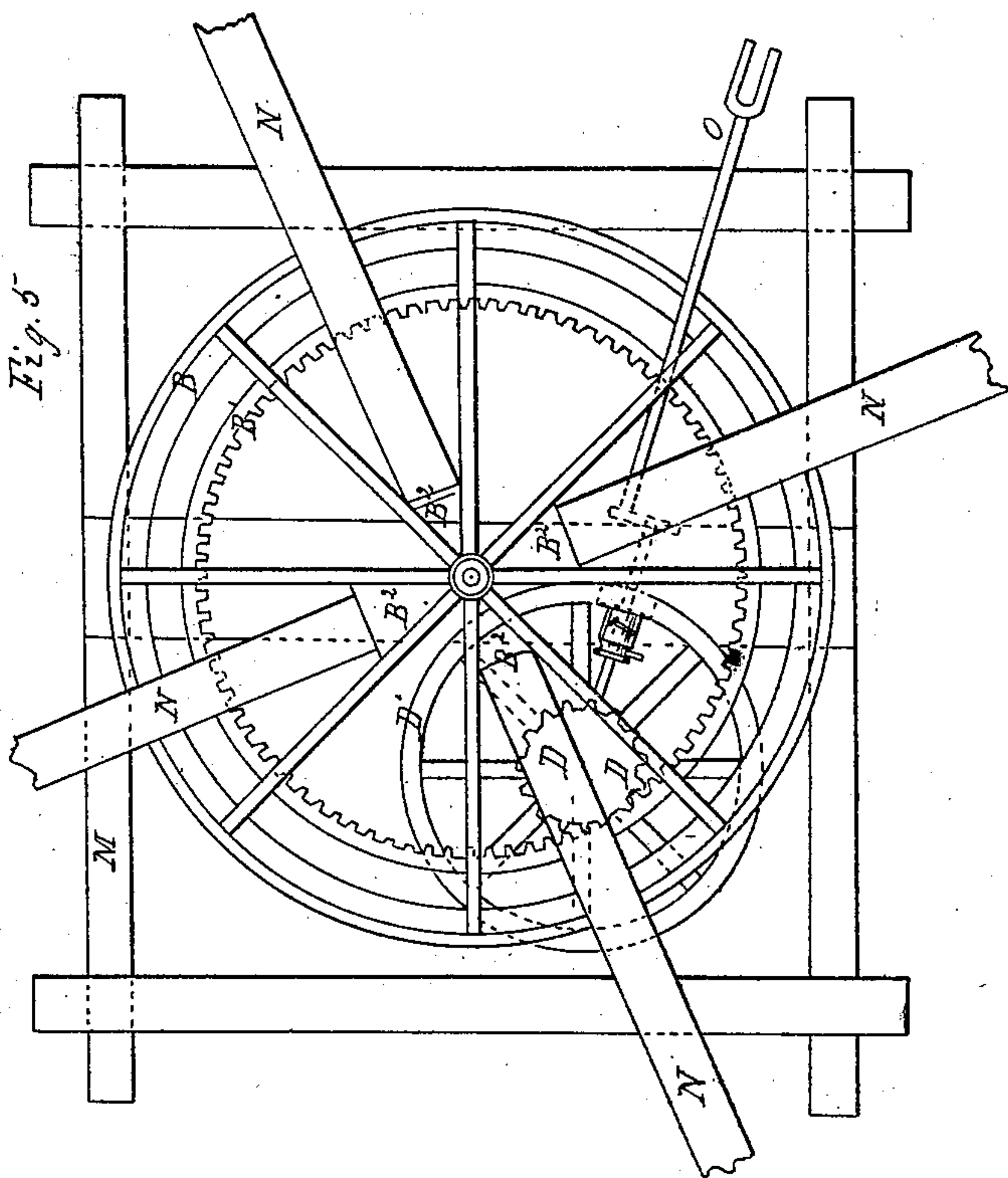
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United States Patent Office.

B. WILLIAM STESCHULT, OF GLANDORF, OHIO.

Letters Patent No. 85,487, dated December 29, 1868.

IMPROVEMENT IN DROPPERS FOR HARVESTERS.

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, B. WILLIAM STESCHULT, of Glandorf, in the county of Putnam, and State of Ohio, have invented a new and useful Improved Harvester, so constructed as to be convertible into a horse-power; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view.

Figure 2, a side elevation.

Figure 3, a side elevation of the frame.

Figure 4, an elevation showing the means of driving the reel.

Figure 5, a plan of a horse-power, formed from the driving-mechanism.

Figure 6, an elevation of the disengaging-mechanism.

The same letters in all the figures are used to designate the same parts.

A is the main frame, supported upon two wheels, B and C, of which the former is the driving-wheel.

It is constructed with an internal spur-gearing, B¹, which engages a pinion, D, on the bevel-wheel D', which, in turn, drives a bevel-pinion, E, on the crank-shaft, to which it gives motion only when engaged by the clutch B', which is thrown in and out of gear by the lever F, to be actuated by the driver's foot.

The crank E² gives motion to the knives in the usual manner, the pitman and cutter-bar being very nearly in line with the centre of motion of the driving-wheel B.

The other side of the frame is supported on the wheel C.

A smaller wheel, G, is placed under the frame, behind the wheel C, and is intended to catch the frame and relieve the jolt when the wheel C falls into a depression.

The reel-pulley H is driven by a belt, I, passing also around the grooved sheave C', on the hub of the wheel C.

In order that this belt may be conveniently tightened, and also allowed some elasticity, it is passed around two sheaves, K K, in a block, which is attached by a chain, K¹, to a hook, K², which is fastened to a spring on the arm, which supports the dropper, so that by lengthening or shortening the chain, the tension of the belt may be regulated, the spring K² giving it elasticity to yield to sudden shocks.

L is the dropper.

It consists of two floats, attached to arms, L², set at an angle of about ninety degrees to one another. These arms are pivoted to braces, respectively attached to the outer and inner shoes of the finger-bar.

The dropper is caused to oscillate by means of a rod, L¹, attached to a wrist on one of the arms, and adjustably connected with a lever, L³, on the frame, which is actuated by the driver's foot, resting on the pin L⁴, the stalks resting, when cut, on the narrow platform. The tops rest against the dropper, which may be adjusted in height as required, and when a sufficient gavel has accumulated, the dropper is suddenly shifted, so as to let the grain fall, and to instantly replace the other float in position to catch the stalks. The board L', having taken the place of the board L, it catches the straw falling upon it as cut. By raising this board slowly by the lever, the grain accumulated may be shifted from L' to L, without being dislodged from the narrow platform. When another gavel has accumulated upon the board L, the operation is repeated.

By this means I am enabled to deliver gavels in very compact form.

The wheel B is constructed with sockets, B², which are intended to be used to receive the ends of the levers N when the driving-mechanism is converted into a horse-power, which may be done by removing the wheels, and attaching them to a frame, M, and connecting a tumbling-shaft, O, to the crank.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The droppers, when formed by two boards or floats, attached to arms L², and so combined with the rod L¹ and lever L³, that the floats may alternately be used to support the stalks resting on the narrow platform, and to drop the gavel, substantially in the manner set forth.

2. The driving-wheel B, when constructed with sockets, B², to receive the levers when the driving-mechanism is used as a horse-power, substantially as described.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

B. WM. STESCHULT.

Witnesses:

JAMES MONROE,
DAVID I. BROWN.