

W. WOLTER & H. H. STOTTKO.

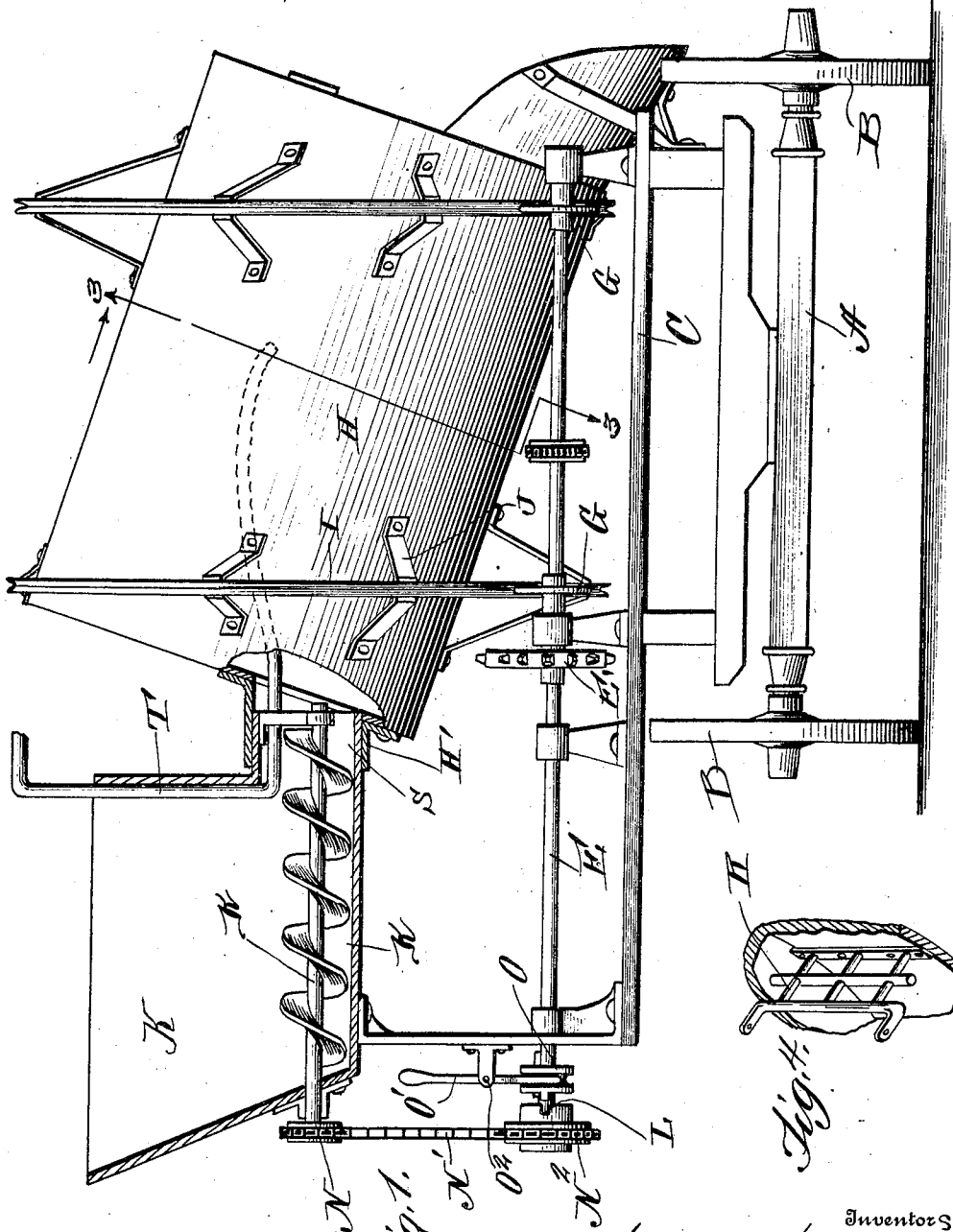
CONCRETE MIXER.

APPLICATION FILED MAY 8, 1908.

903,426.

Patented Nov. 10, 1908.

2 SHEETS—SHEET 1.



Witnesses

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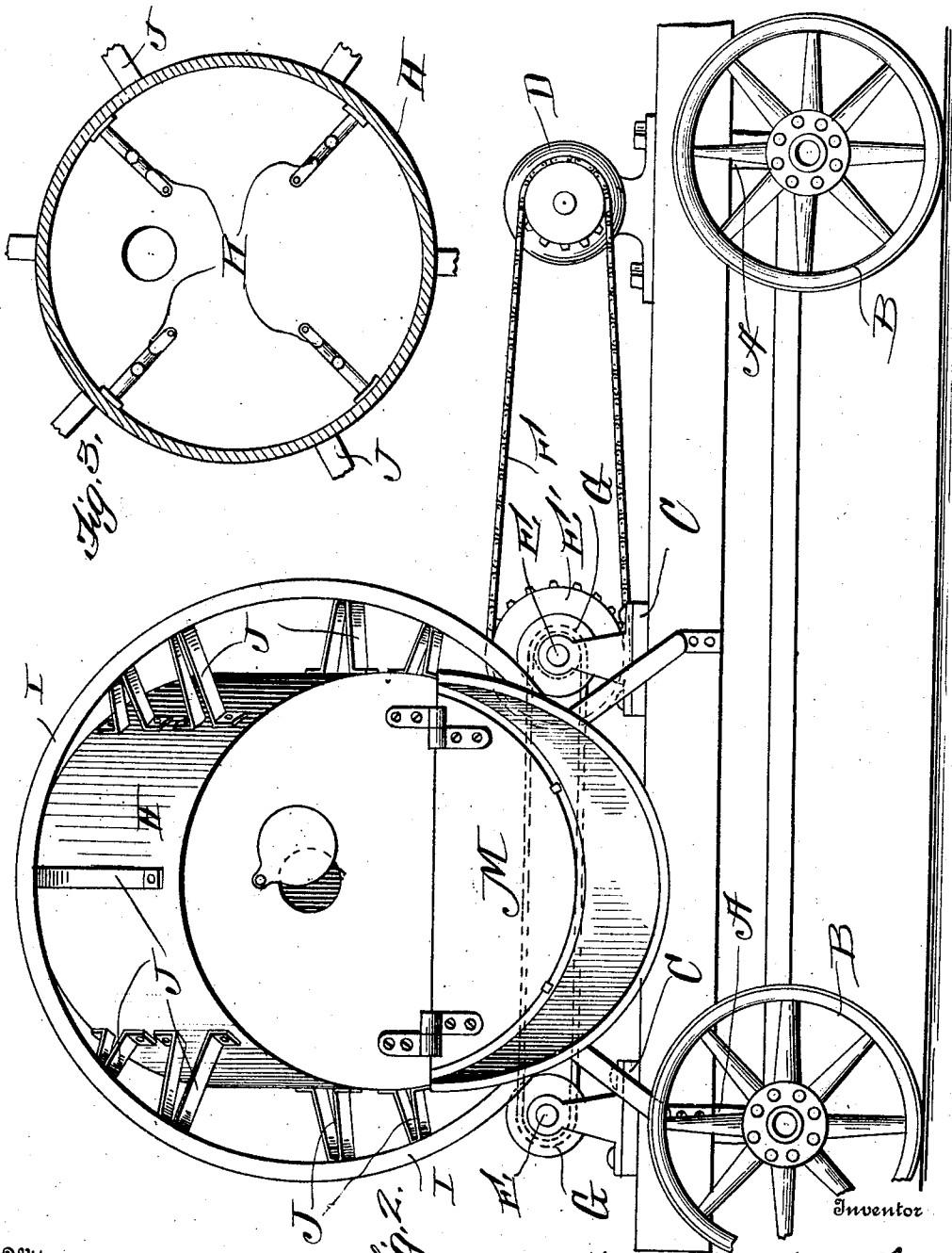
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UNITED STATES PATENT OFFICE.

WILLIAM WOLTER, OF BURRESS, AND HERMAN H. STOTTKO, OF FAIRMONT, NEBRASKA.

CONCRETE-MIXER.

No. 903,426.

Specification of Letters Patent.

Patented Nov. 10, 1908.

Application filed May 8, 1908. Serial No. 431,719.

To all whom it may concern:

Be it known that we, WILLIAM WOLTER and HERMAN H. STOTTKO, citizens of the United States, residing at Burress and Fairmont, respectively, in the county of Fillmore and State of Nebraska, have invented certain new and useful Improvements in Concrete-Mixers; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in concrete mixers and the object in view is to produce a simple and efficient device of this nature, whereby the various ingredients of the concrete may be thoroughly mixed, and comprises various details of construction, combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claim.

Our invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a sectional view through our improved mixer, parts being shown in elevation. Fig. 2 is an end view of the mixer showing the truck upon which the mixer is mounted in side elevation. Fig. 3 is a sectional view on line 3—3 of Fig. 1, and Fig. 4 is a detail perspective view.

Reference now being had to the details of the drawings by letter, A designates the truck of a vehicle mounted upon the wheels B, and C is a platform of said truck upon which a motor D is mounted and also shafts E journaled in suitable bearings thereon. A sprocket wheel E' fixed to one of the shafts E has belted connection F with said motor, and G—G designate friction driving wheels which are fixed to the shafts E. A mixing receptacle H has two circular grooved bands or wheels I mounted upon the brackets J about the circumference thereof, said receptacle being mounted at an inclination between said bands as shown. Said friction wheels G contact with said grooved wheels or bands and are adapted to impart a rotary movement to the receptacle.

K designates a hopper which is stationary and has a feeding worm K' therein.

A sprocket wheel N is fixed to the end of the shaft to the conveyer worm and a sprocket chain N' connects the same with a sprocket wheel N² upon one of the shafts F.

O designates a clutch collar which is splined to the shaft E, and O' is an operating lever pivotally mounted at O² on a bracket secured to the frame of the device and provided with a forked end engaging the clutch O and is adapted to move the same into or out of engagement with the notch L upon the hub of the sprocket wheel N². Said hopper has a tubular exit projection S projecting into a tubular projection H' of said receptacle H, and T is a pipe leading through the hopper and into the interior of the mixing receptacle H.

Mounted upon the inner wall of the mixing receptacle is a series of stirring racks, designated by letter R and a detail view of one of which is shown in Fig. 4 of the drawings. Said racks are fastened to the inner circumference of the mixer for the purpose of thoroughly agitating the materials being mixed. An exit opening is formed in one end of the mixer and, when the material is thoroughly mixed, it may be fed through the hinged door M shown in Fig. 2 of the drawings.

From the foregoing, it will be noted that, by the provision of the apparatus shown and described, a simple and efficient means is afforded for mixing ingredients for concrete and so arranged that the different ingredients will be thoroughly agitated and mixed together.

What we claim to be new is:—

A concrete mixer comprising, in combination with the running gear of a vehicle, a platform mounted thereon and projecting laterally over the wheels of the running gear, shafts journaled in suitable bearings upon said platform, friction driving disks fixed to said shafts, a mortar mixing receptacle, angled bracket arms fastened in diagonal relation with one another about the circumference of said mixing receptacle, the latter being mounted at an inclination, a hopper at one end of the receptacle, bracket arms fastened to the running gear and supporting said hopper, the opposite end of the receptacle having an opening, a horizontally disposed flange about said opening, a feeding trough having a contracted end telescoping

within said horizontally disposed flange, a
pipe leading through the telescoping por-
tions of said feeding trough and flange, a
feeding worm in said trough and extending
5 into the contracted portion thereof, and
means for operating the apparatus, as shown
and described.

In testimony whereof we hereunto affix

our signatures in the presence of two wit-
nesses.

WILLIAM WOLTER.
HERMAN H. STOTTKO.

Witnesses:

R. T. CLARK,
R. G. HALL.