

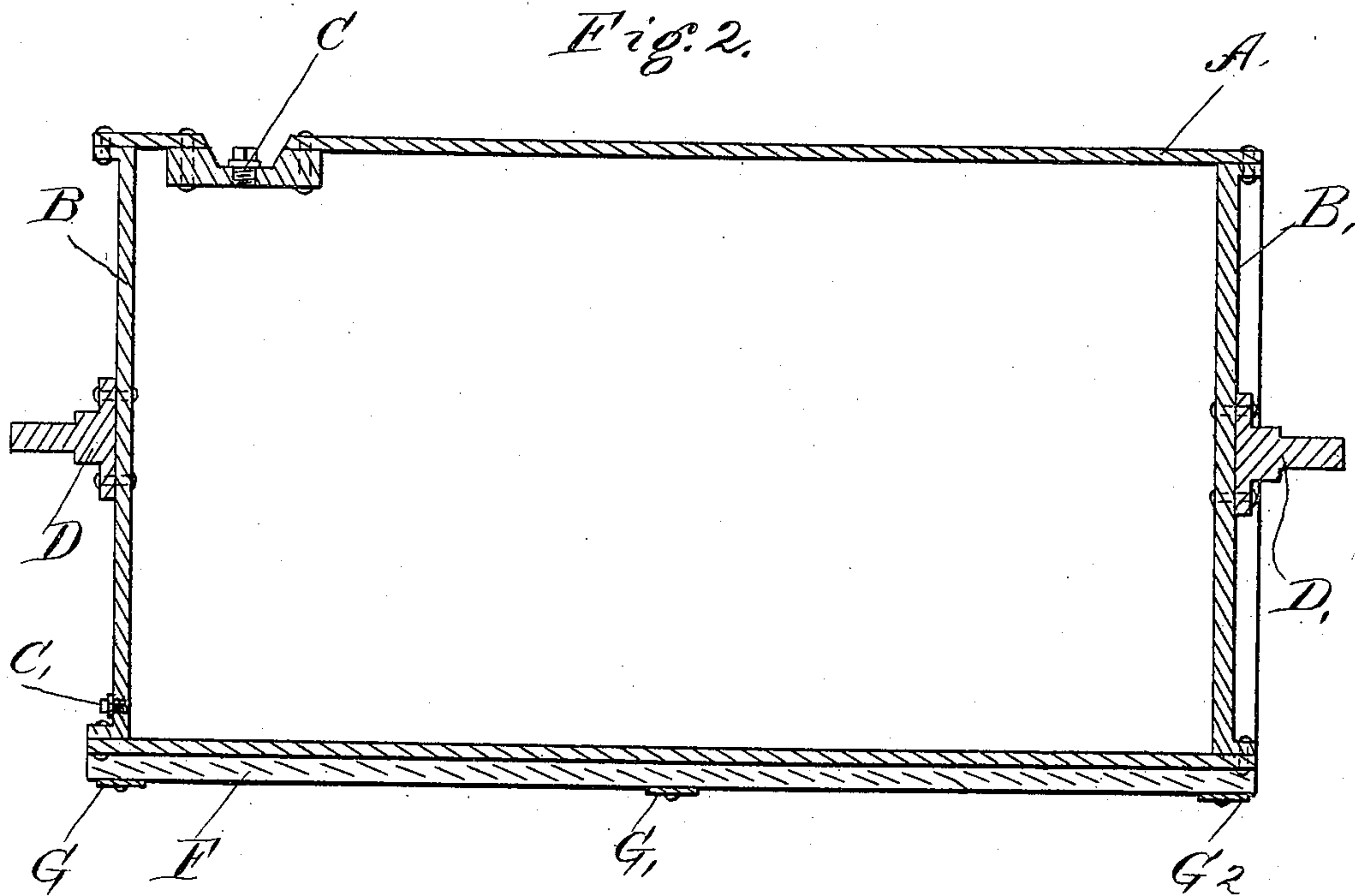
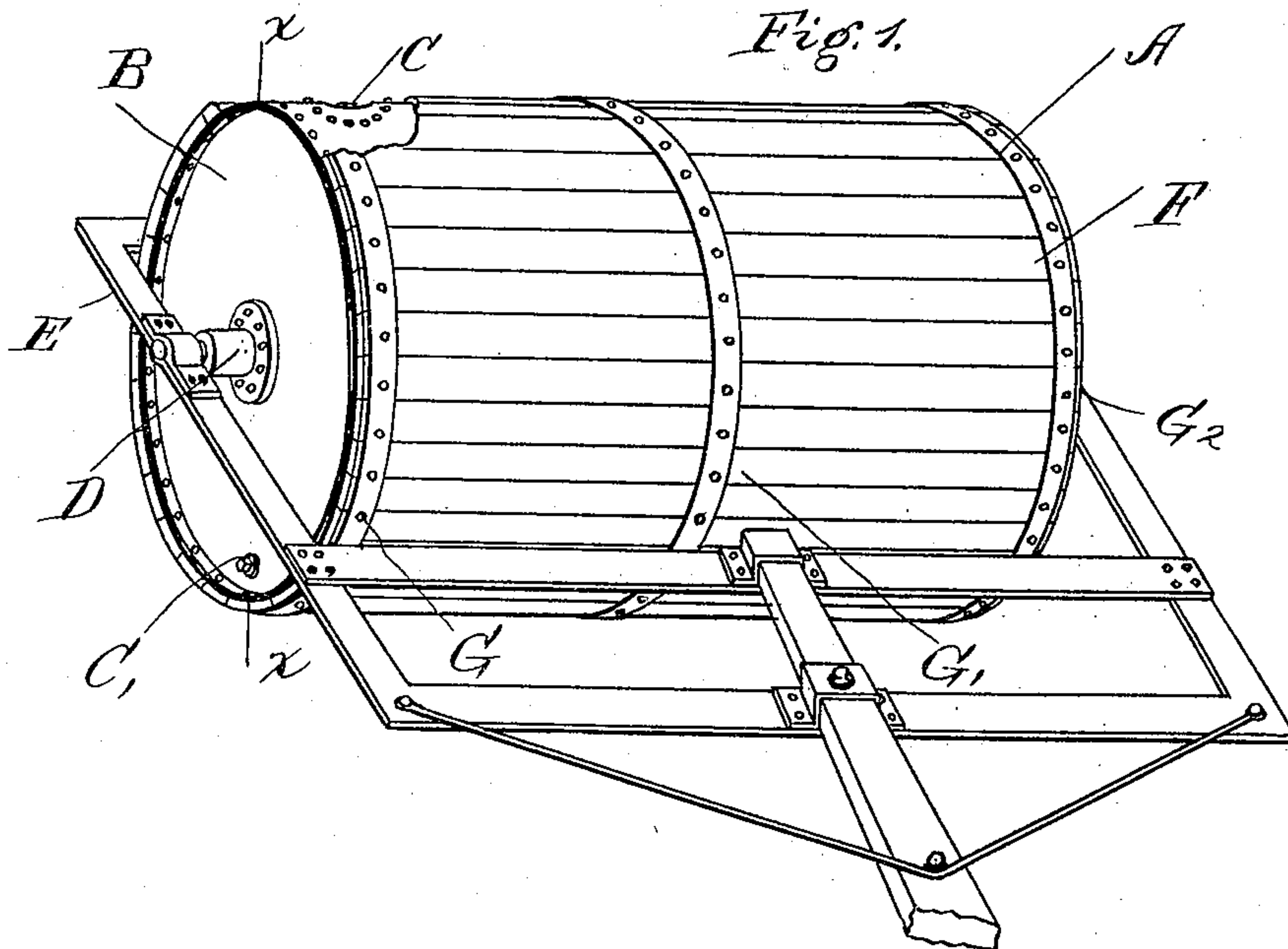
No. 616,717.

Patented Dec. 27, 1898.

M. A. MARTINDALE.
LAND ROLLER.

(Application filed Nov. 29, 1897.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

MOSES A. MARTINDALE, OF ELKHART, INDIANA.

LAND-ROLLER.

SPECIFICATION forming part of Letters Patent No. 616,717, dated December 27, 1898.

Application filed November 29, 1897. Serial No. 660,181. (No model.)

To all whom it may concern:

Be it known that I, MOSES A. MARTINDALE, of Elkhart, in the county of Elkhart and State of Indiana, have invented certain new and
5 useful Improvements in Land-Rollers, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, forming part of this specification.

10 This invention has for its object to provide a roller for leveling or compressing land or roadways which may be readily weighted to the desired heft for use and as readily discharged of the surplus heft for transportation
15 or storage. I accomplish this by the use of water for weight.

In the drawings, Figure 1 is a perspective view of my improved land-roller. Fig. 2 is a longitudinal section in line $x x$ of Fig. 1, showing a portion of the wooden covering removed.

20 Similar letters represent like parts in both figures.

A is a metallic cylinder of any suitable length, diameter, or thickness of metal.

25 B and B' are end pieces of any suitable material, riveted or brazed to the ends of A, so as to form a water-tight tank.

C is a sunken nut-bolt, being of any suitable construction, and C' a spigot or air-vent.

30 D and D' are journals fastened to the end pieces B and B' and having their bearings in the frame E.

F are strips of wood covering the entire circumference of the cylinder A and are adapted to protect the same from punctures, dents, and ordinary wear, the strips F being held in
35 place by the bands G, G', and G², this construction admitting of the use of a thin metal cylinder where ordinarily heavy metal cylinders are required.
40

The advantages possessed by my improved land-roller consist in the ease with which it may be weighted to any desired heft and again relieved of the weight. When water is pumped into the cylinder through the bung-
45 hole C, the total weight of the roller is augmented by the weight of the water, which is an element always easy of access. For transportation purposes, and particularly in crossing bridges, it is often desirable to again re-
50 duce the weight of the roller, in which case the water may be readily emptied out. It may also be used for a variety of purposes, such as transporting water for stock, irrigating the soil, or as a tank for a threshing-en-
55 gine.

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

1. In a land-roller, the combination of a
60 hollow metallic cylinder for containing a liquid, the ends of the cylinder being entirely closed by solid circular plates bearing journals, a frame in which said journals have their bearings, and a sunken water-tight bung
65 in the periphery of said cylinder for admitting the liquid, substantially as described.

2. In a land-roller, the combination of a
70 hollow metallic cylinder for containing a liquid, the ends of the cylinder being entirely closed by solid circular plates bearing journals, a frame in which said journals have their bearings, a sunken water-tight bung in the periphery of said cylinder, for admitting the liquid, and a wooden covering for said
75 cylinder, substantially as described.

MOSES A. MARTINDALE.

Witnesses:

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