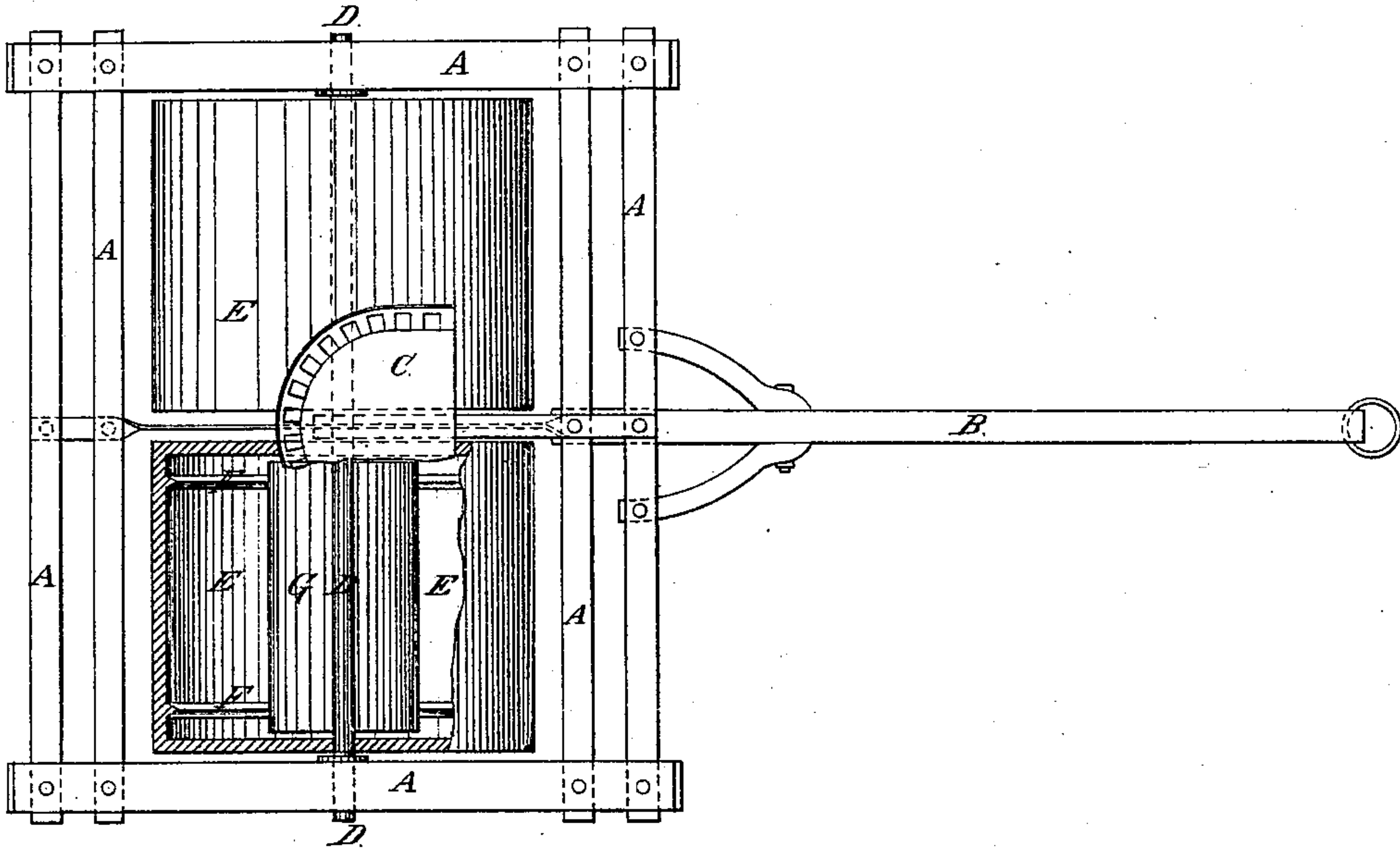


F. B. HADLEY.  
LAND-ROLLERS.

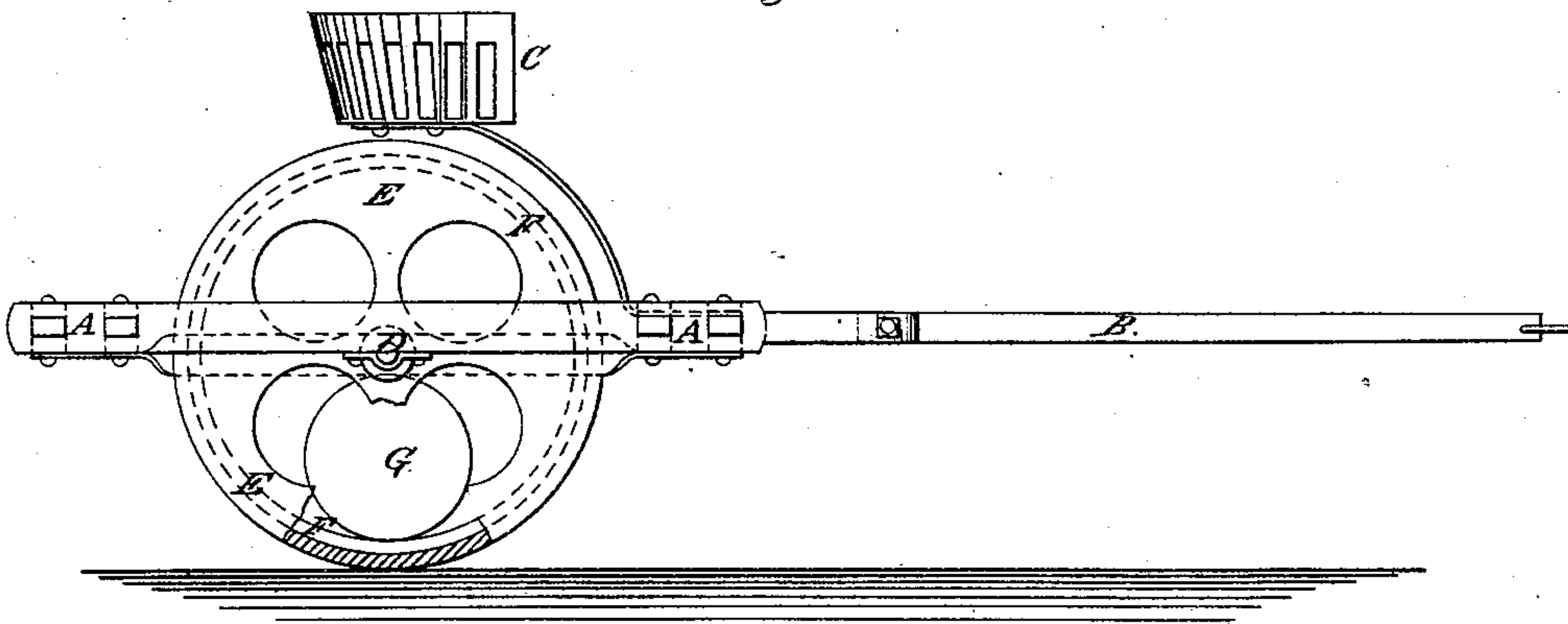
No. 178,631.

Patented June 13, 1876.

*Fig. 1*



*Fig. 2.*



WITNESSES:

*H. Rydquist*  
*John Goethals*

INVENTOR:

*F. B. Hadley*  
BY *Munn*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

FREDUS B. HADLEY, OF MONTEREY, ILLINOIS.

## IMPROVEMENT IN LAND-ROLLERS.

Specification forming part of Letters Patent No. **178,631**, dated June 13, 1876; application filed March 21, 1876.

*To all whom it may concern:*

Be it known that I, FREDUS B. HADLEY, of Monterey, Calhoun county, Illinois, have invented a new and Improved Land-Roller, of which the following is a specification:

Figure 1 is a top view of my improved roller, part being broken away to show the construction; and Fig. 2 is an end view of the same, part being broken away to show the construction.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved land-roller, which shall be so constructed that it may be made very heavy, and at the same time be of light draft.

The invention consists of an improved land-roller made hollow, and provided with ribs or flanges upon the inner surface of its shell and the heavy inner cylinder, as hereinafter fully described.

A represents the frame of the roller, to which is attached the tongue B and the driver's seat C, and to the side bars of which are attached the bearings for the shaft D of the roller E. The roller E is made hollow, and to the inner surface of its shell are attached, or upon it are formed, ring flanges or ribs F, to serve as

rails or ways for the heavy roller or cylindrical weight G to roll upon.

The cylinder G may be made long or short, solid or hollow, according as more or less weight is required, and must be of such size as to roll freely beneath the shaft D of the roller E.

By this construction the cylinder G will always press upon the land with its whole weight, and, being below the axis of the roller E, will easily roll forward upon the ways F as the said roller E is turned, making the draft light.

I am aware of the existence of a land-roller consisting of hollow cylindrical roller-sections and loose internal ballast-balls.

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

The combination of the heavy inner cylinder G with the hollow roller A, provided with internal circumferential ribs or ways F, as and for the purpose set forth.

FREDUS B. HADLEY.

Witnesses:

F. M. GREATHOUSE,  
A. G. ANSELL.