

G. W. LYONS.
 DRY MEASURE.
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917,329.

Patented Apr. 6, 1909.

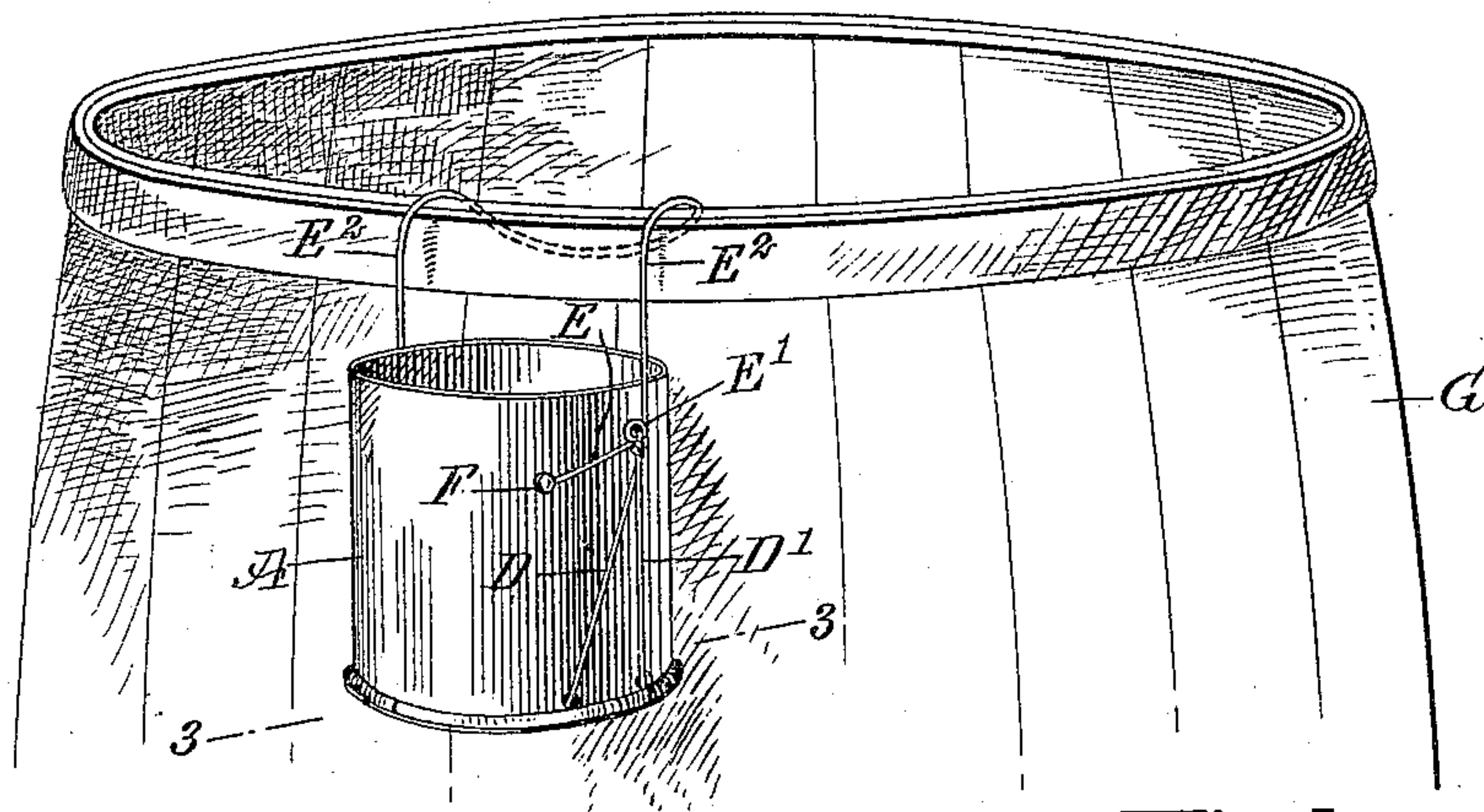
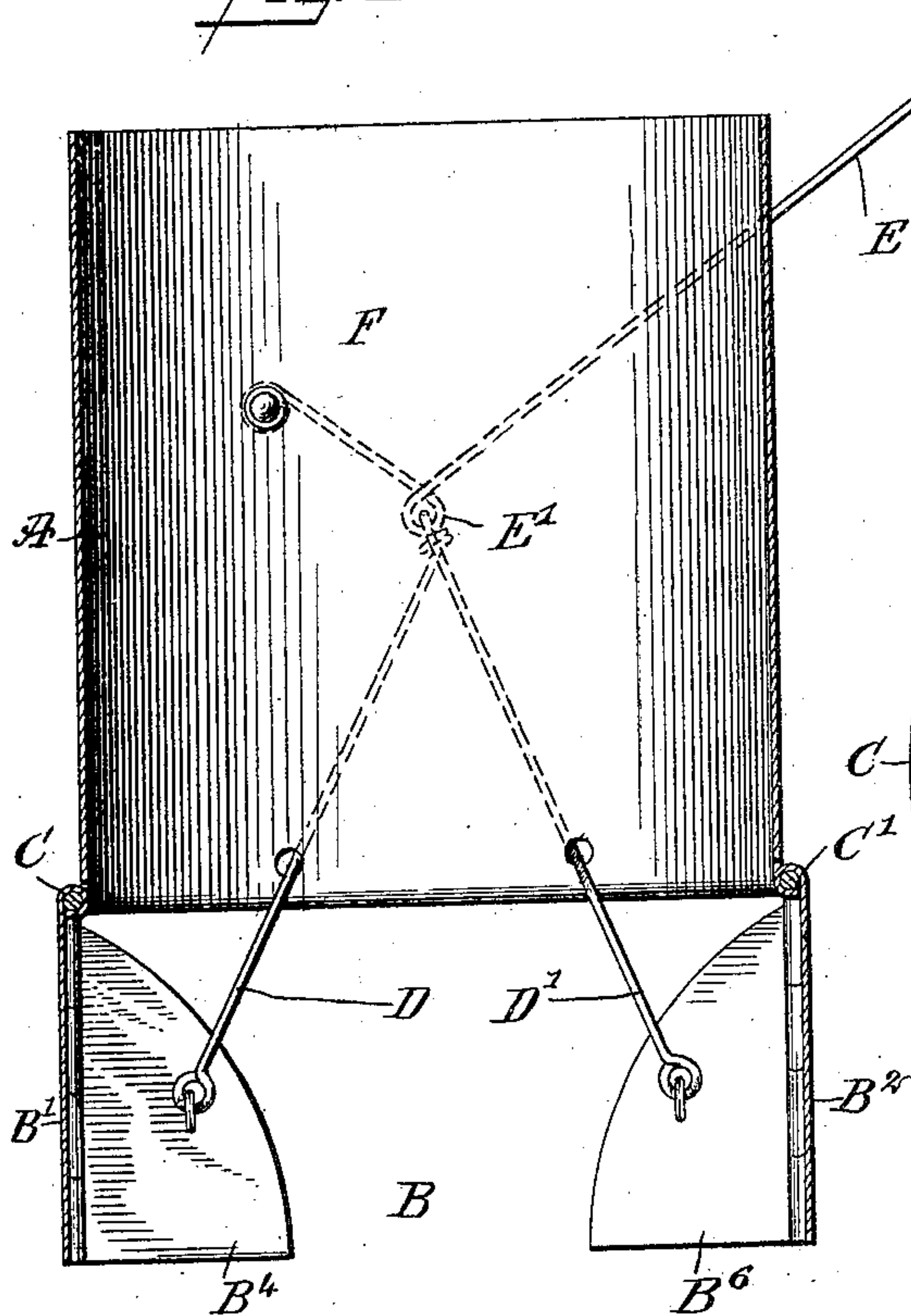


Fig. 1

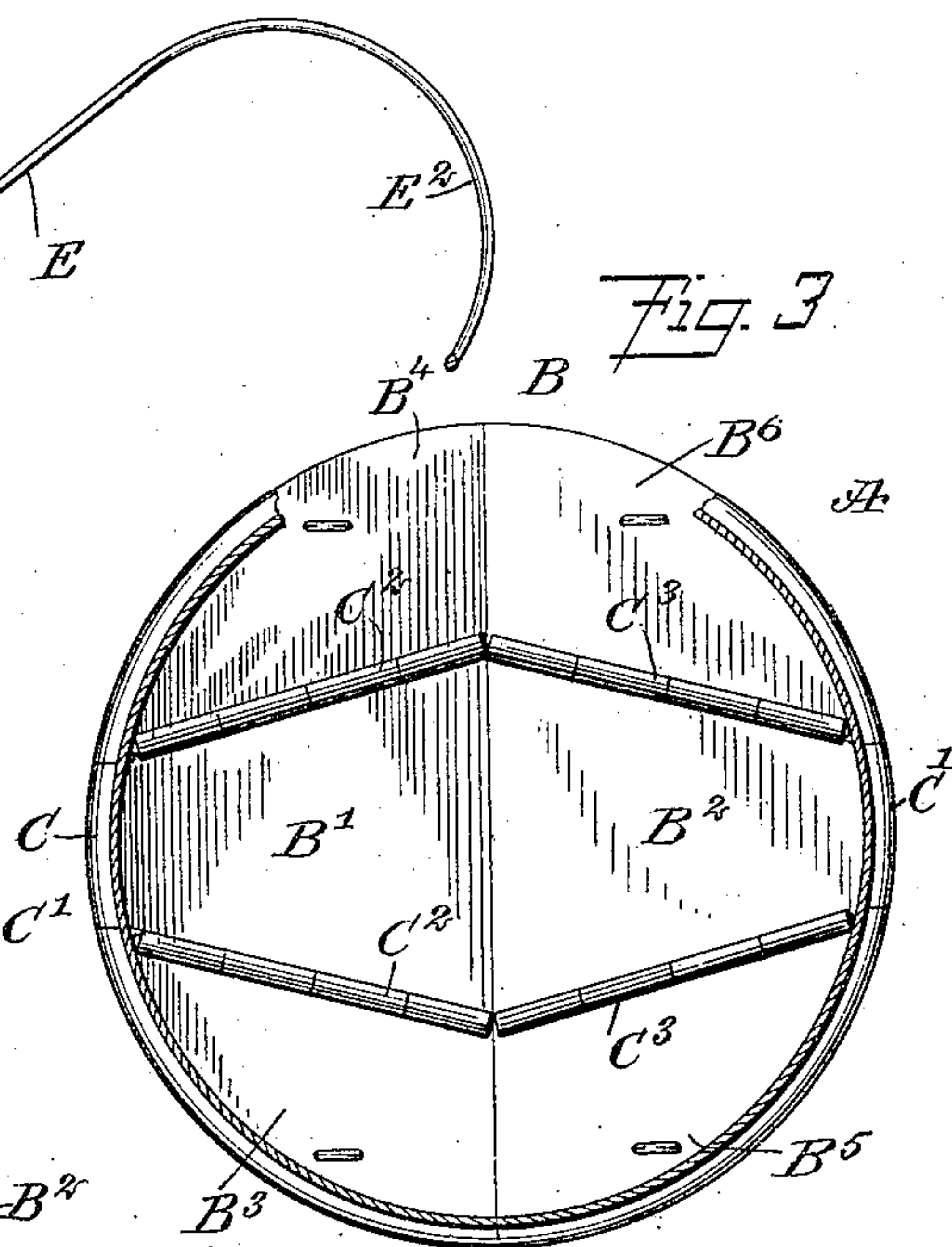
Fig. 2



WITNESSES

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Fig. 3



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GEORGE W. LYONS, OF GRAND RAPIDS, WISCONSIN.

DRY MEASURE.

No. 917,329.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed March 9, 1908. Serial No. 419,931.

To all whom it may concern:

Be it known that I, GEORGE W. LYONS, a citizen of the United States, and a resident of Grand Rapids, in the county of Wood and State of Wisconsin, have invented a new and Improved Dry Measure, of which the following is a full, clear, and exact description.

The invention relates to measuring instruments, and its object is to provide a new and improved dry measure for measuring vegetables, cereals and like goods, and arranged to permit convenient filling of the measure from the top with vegetables or other similar merchandise, and at the time the measure is hung or suspended from a barrel or a like vessel, containing the merchandise, or to allow filling the dry measure from the bottom when measuring beans, peas or other cereals contained in a bin, barrel or other receptacle, and to allow convenient discharge of the contents of the dry measure by way of the bottom.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement in a closed position and as supported on a barrel; Fig. 2 is an enlarged sectional side elevation of the improvement, showing the bottom of the vessel body open for filling or emptying purposes, and Fig. 3 is an enlarged sectional plan view of the improvement on the line 3—3 of Fig. 1.

The body A of the dry measure is preferably made cylindrical, open at the top, and adapted to be closed at the lower end by a bottom B, formed of two main sections B', B² connected by hinges C, C' with the lower end of the vessel body A. The sides of the main section B' are provided with hinged extensions B³, B⁴, and similar extensions B⁵, B⁶ are hinged to the sides of the other main section B². As shown in Fig. 3, the hinges C² and C³ for connecting the extensions B³, B⁴ and B⁵, B⁶ to their respective main sections B', B² are disposed obliquely, so that when the hinged extensions swing into an angular position, as indicated in Fig. 2, then each bottom section forms a

scoop, to scoop up beans, peas and other cereals, that is, to allow filling the vessel body A at the open bottom. The hinged extensions B³, B⁴ and B⁵, B⁶ are pivotally connected by links D, D' with eyes E' formed on the sides of a U-shaped lever E fulcrumed at F on the sides of the vessel body A, as plainly indicated in the drawings. The free end E² of the lever E is preferably in the form of a hook, to permit of conveniently engaging the said hook with the top edge of the barrel G, as plainly indicated in Fig. 1, to support or suspend the dry measure on the barrel G. Thus when the measure is suspended, the bottom B is closed, as the weight of the vessel body acting on the lever E causes the latter to swing the bottom sections into a closed position by the action of the links D, D'. When the vessel or dry measure is in this position it can be readily filled from the top with vegetables or the like stored in the barrel G or other receptacle.

When it is desired to fill and measure beans, peas and the like, then the operator pressing down on the lever E, swings the same in a downward direction, so that the links D, D' swing the bottom sections open, at the same time causing the extensions B³, B⁴ and B⁵, B⁶ to assume an angular or a scoop-like position relatively to the main sections B', B², so that the beans, peas and the like are readily scooped up and filled into the vessel body A, and when the vessel is filled with the desired quantity, then the operator swings the lever E upward, and in doing so closes the hinged bottom sections, to retain the peas or beans within the vessel body A. By having hold of the lever E the latter acts as a bail to permit of conveniently carrying the dry measure about.

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

1. A dry measure, comprising a vessel body having a bottom made in hinged sections, a bail fulcrumed on the said vessel body, and links connecting the said bail with the said bottom sections.

2. A dry measure, comprising a vessel body having a bottom made in hinged sections, a bail fulcrumed on the said vessel body at the sides thereof and extending clear of the top opening of the said vessel, and links connecting the said bail with the said bottom sections.

3. A dry measure, comprising a vessel body having a bottom formed of main sections hinged on the vessel, and scoop sections hinged at the sides of the said main sections, and means for holding the bottom closed.

4. A dry measure, comprising a vessel having a bottom formed of independent groups of sections hinged together, each group being hinged to the vessel and forming when opened an independent scoop, and means for holding the bottom closed.

5. A dry measure, comprising a vessel body having a bottom made in sections hinged to the vessel at diametrically opposite points, each section being provided at its sides with hinged extensions capable of assuming an angular position relatively to the sections, and means for holding the bottom closed.

6. A dry measure, comprising a vessel body having a bottom made in sections hinged to the vessel at diametrically opposite points, each section being provided at its sides with hinged extensions capable of assuming an angular position relatively to the sections, links pivotally connected with the said hinged extensions, and a hand lever

fulcrumed on the said vessel body and pivotally connected with the said links.

7. A dry measure, comprising a vessel having a bottom formed of independent groups of sections hinged together, each group being hinged to the vessel, and means for opening the bottom and swinging certain sections of each group into angular position.

8. In a measure, a vessel having a bottom member hinged thereto and formed of a plurality of sections hinged together to form a scoop when opened, and means for holding the bottom member closed.

9. In a measure, a vessel having a bottom member hinged thereto and formed of a plurality of sections hinged together to form a scoop when opened, and means for opening the bottom member and swinging certain sections thereof into angular position to form a scoop.

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

GEORGE W. LYONS.

Witnesses:

BURTON L. BROWN,
MAUD I. LYONS.