

No. 711,024.

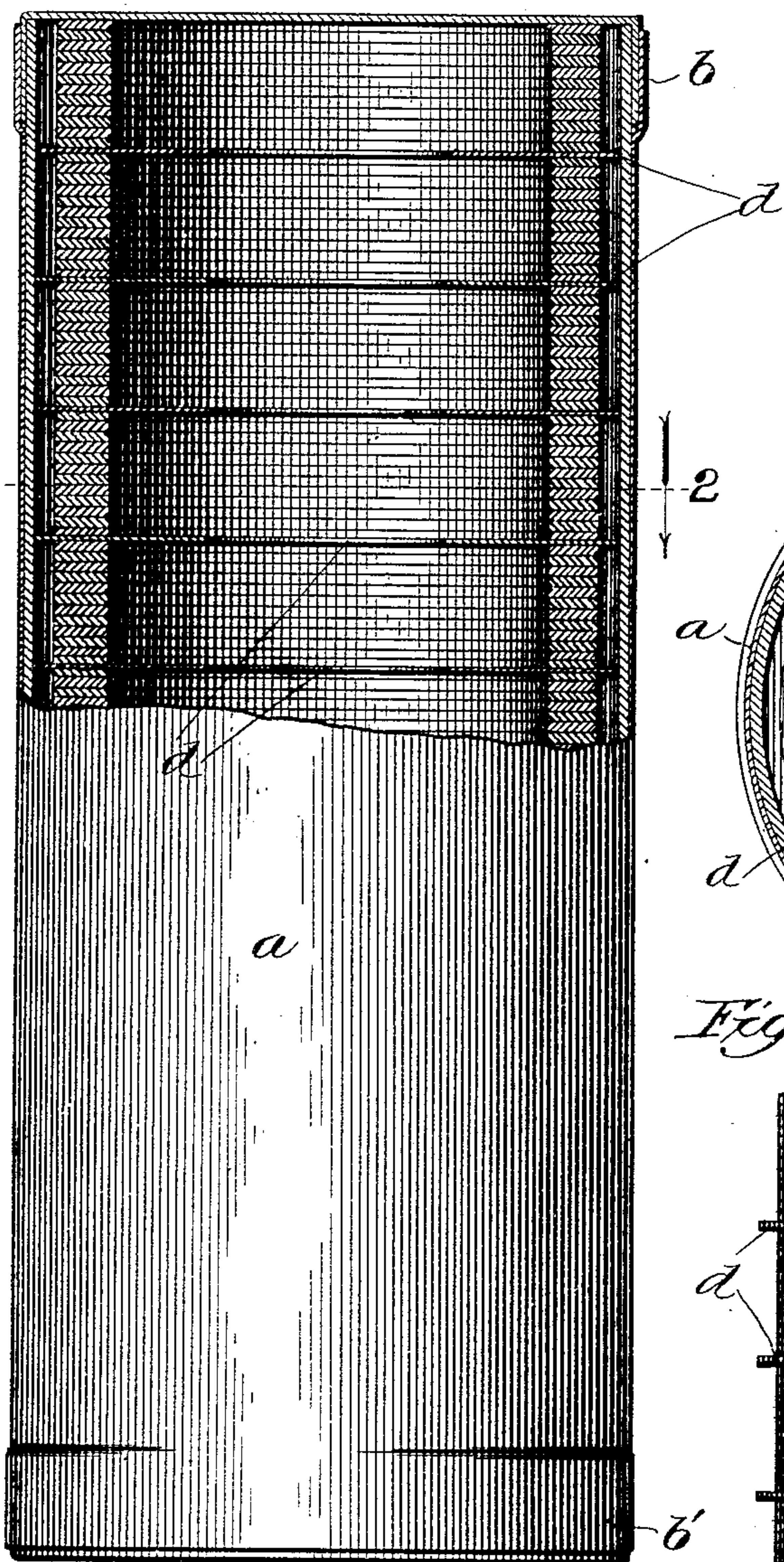
Patented Oct. 14, 1902.

E. L. TOY:  
BOX FOR PACKING RINGS OR ANALOGOUS ARTICLES.

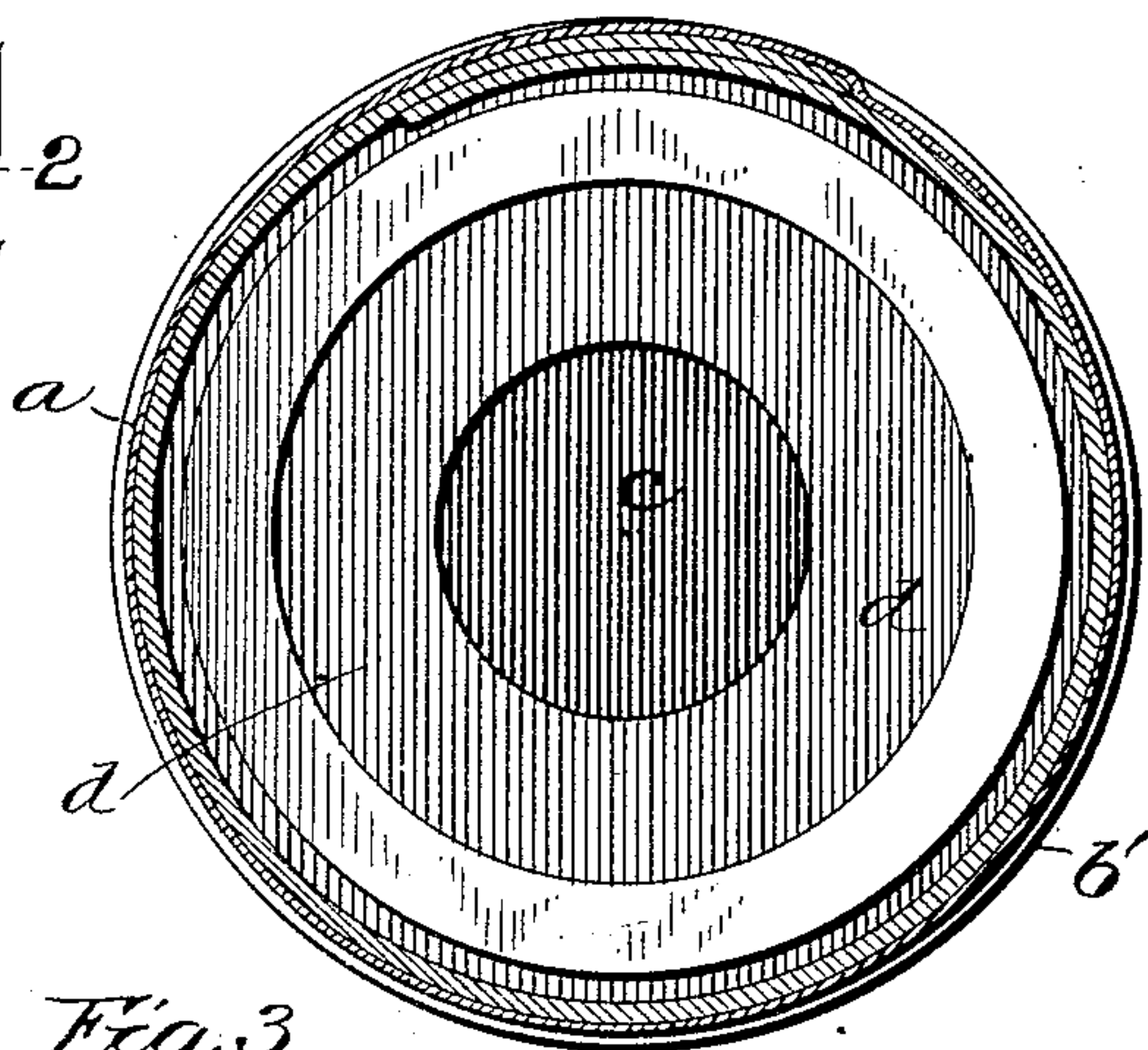
(Application filed Jan. 9, 1902.)

(No Model.)

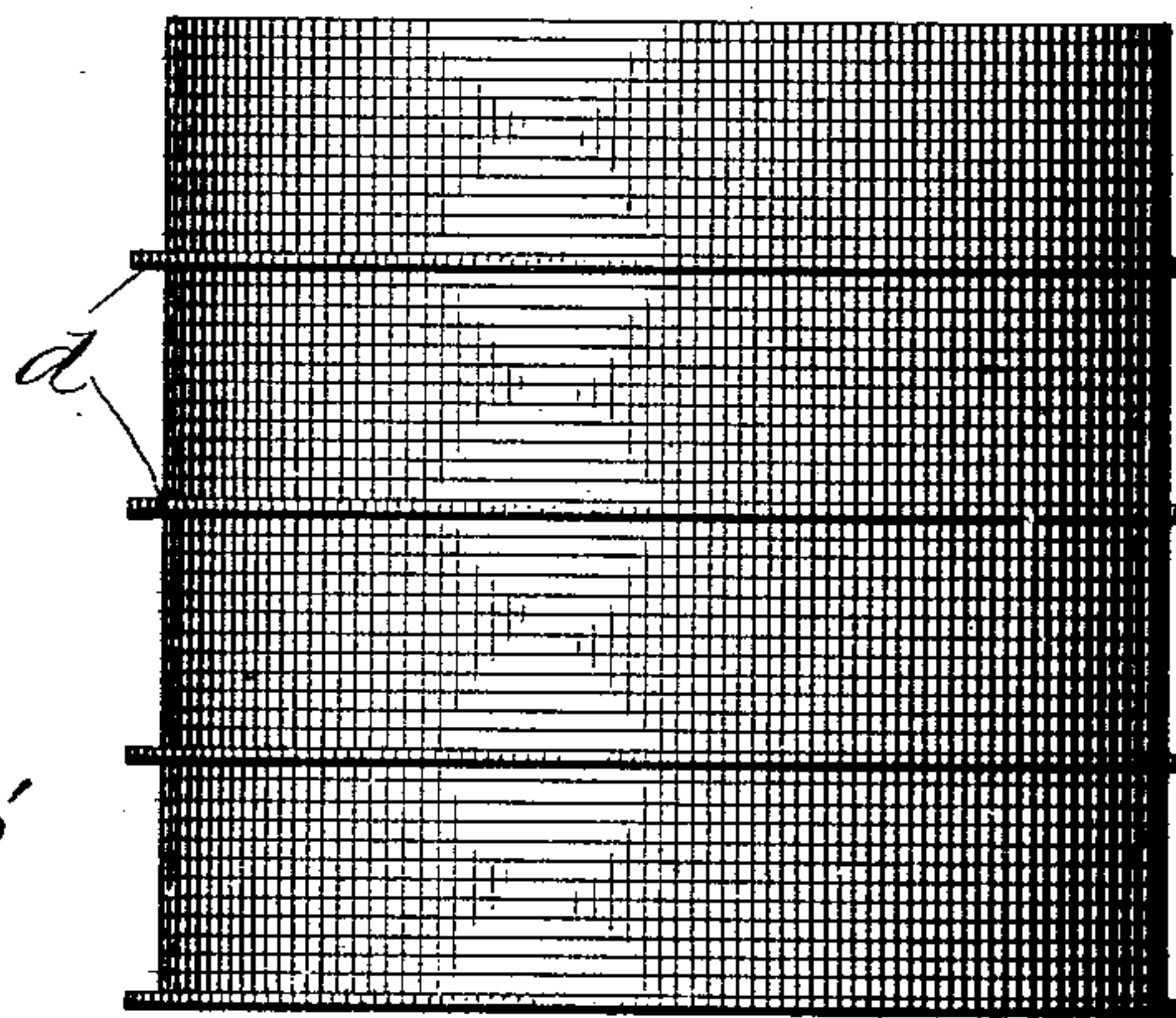
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:  
*Edw. C. Daybird.*  
*Geo. C. Division.*

Inventor:  
*Elias Lynn Toy*  
By *Robert Catherwood*  
*Att'y.*



# UNITED STATES PATENT OFFICE.

ELIAS LYNN TOY, OF AKRON, OHIO, ASSIGNOR TO THE ALDEN RUBBER CO., OF BARBERTON, OHIO, A CORPORATION OF OHIO.

## BOX FOR PACKING RINGS OR ANALOGOUS ARTICLES.

SPECIFICATION forming part of Letters Patent No. 711,024, dated October 14, 1902.

Application filed January 9, 1902. Serial No. 89,041. (No model.)

*To all whom it may concern:*

Be it known that I, ELIAS LYNN TOY, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a new and useful Improvement in Boxes for Packing Rings or Analogous Articles, Particularly Boxes or Cartons in Which Rings May be Packed in Bulk, of which the following is a specification.

In packing rings and like articles—such, for instance, as india-rubber fruit-jar rings—it is desirable that they be separated into bunches or series of a given number of rings in such manner that they can be easily and expeditiously removed from the packing-box in predetermined numbers without disturbing what remain and counted in bulk.

The object of my invention is to provide a packing-box simple and economical of construction wherein rings or like articles may be packed in measured numbers in such manner that any desired number of them can be readily removed without disturbing or disarranging the others by merely thrusting the finger or convenient hook into the box and taking off thereon the desired number of rings. The box is especially convenient for retail dealers who desire to purchase rings in bulk and sell them in small quantities, the gross being the ordinary unit of measurement in purchasing and the dozen in selling.

In the drawings, Figure 1 is a front view of a cylindrical tube or carton embodying my invention with the upper portions broken away to show the arrangement of the divisional pieces or disks and five of the uppermost series of rings. Fig. 2 is a cross-section along line 2 of Fig. 1. Fig. 3 shows four of the divisional pieces or disks and the rings piled thereon.

I prefer to use for the body of the packing-box a cylindrical tube or carton, though it is obvious that the box may be of any shape corresponding to the shape of the articles to be packed and that it may be constructed of any suitable material.

In the drawings, *a* denotes a cylindrical box, which is of dimensions sufficient to contain one gross of rings of the type used on Mason fruit-jars, and these are shown packed in place in the box and separated by the annular disks *d*. The rings when packed lie flat one above another, each dozen divided

from the dozens above and below by one of the disks or divisional pieces *d*. The caps or covers adapted to fit over the bottom and top of the cylindrical tube *a* are denoted by *b* and *b'*, respectively.

The above-mentioned annular disks *d* are adapted to fit snugly into the box *a*. In the drawings the opening in each divisional piece or disk is denoted by the letter *c*. This opening *c* is of less diameter than the open space inclosed by the rings, so that the disks when placed in the box interposed between dozens project considerably beyond the rings themselves toward the center or core of the packing-box, as shown in Fig. 2, and provide a projecting ledge between each dozen of rings, so that a hook or crooked finger may be thrust through the openings in the divisional pieces or disks to engage any one of the disk-ledges and pull out the desired number of dozens of rings. The rings and disks taken out may be counted as they are held upon the finger and those not wanted for use replaced in perfect order, and only the top series of rings will be incomplete where fractions of a series are removed.

My invention is not limited to the shape, size, or capacity of the box or to any particular shape or size of the divisional pieces or rings or to the use of any particular number of rings in a series, the essential feature being that the divisional pieces shall be so interposed as to facilitate counting and provide a convenient means of removing a given quantity with ease and celerity by means of the openings for the finger and the projecting ledges of the divisional pieces as they lie in the box interposed between series of rings.

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

In a box for packing rings and analogous articles, a set of divisional pieces adapted to fit therein and separate said rings into convenient series, said pieces provided with a central finger-aperture smaller than the interior circumference of said rings and adapted to afford a grasping-ledge whereby any desired number of rings may be drawn from said box, substantially as described.

ELIAS LYNN TOY.

Witnesses:

H. H. SALMON,  
A. J. COMMINS.