

J. O'MEARA.
Packing.

No. 208,419.

Patented Sept. 24, 1878.

Fig 1.

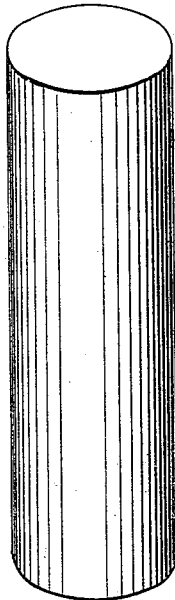


Fig 2.

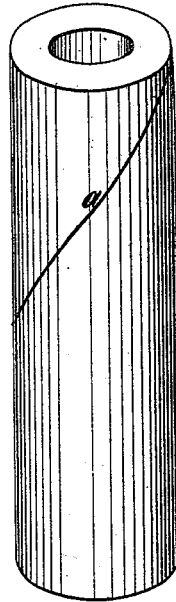


Fig 3.

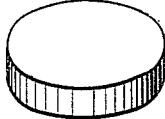


Fig 4.

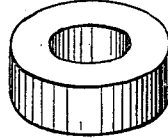


Fig 5.

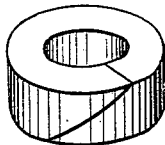
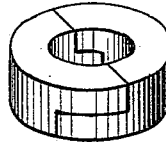


Fig 6.



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UNITED STATES PATENT OFFICE.

JEREMIAH O'MEARA, OF NEW YORK, N. Y.

IMPROVEMENT IN PACKINGS.

Specification forming part of Letters Patent No. 208,419, dated September 24, 1878; application filed September 9, 1878.

To all whom it may concern:

Be it known that I, JEREMIAH O'MEARA, of the city, county, and State of New York, have invented certain new and useful Improvements in Packing, of which the following is a specification:

The object of my invention is to produce packing material of desirable kinds in forms enabling the user to expeditiously, conveniently, and without waste, cut rings or washers of the dimensions desired for any particular purpose.

Cylinders of packing material composed of wound or rolled canvas and a solution of india-rubber are objectionable, because they cannot be cut into thin rings or washers readily without fraying and losing their integrity, because, if the outer canvas becomes detached, a sticky surface of india-rubber is exposed, and because the unequal expansion of the canvas and the india-rubber occurring in the use of rings or washers cut from such tubes causes them to fall to pieces, so as to be useless.

The object of this invention is to obviate these difficulties; and to this end the invention consists in a cylinder, round bar, or stick of homogeneous lubricant packing material, preferably a composition of india-rubber and plumbago, adapted to be cut into packing-rings or washers of the required sizes.

In the accompanying drawing, Figure 1 is a perspective view of a cylinder, round bar, or stick of lubricant homogeneous packing material embodying my invention. Fig. 2 is a similar view of a hollow cylinder, bar, or stick of the same material, and cut spirally throughout a portion of its extent. Figs. 3, 4, 5, and 6 are perspective views of washers cut from the said cylinders.

Similar letters of reference designate corresponding parts in all the figures.

The solid cylinder, round bar, or stick represented in Fig. 1 is adapted to be transversely cut into washers like that illustrated in Fig. 3, and of any desirable thickness. These washers may be perforated to suit the purpose for which they are desired, such as for the seats of the valves of compression-cocks.

The hollow cylinder, round bar, or stick represented in Fig. 2 has a spiral cut, *a*, throughout a portion of its length. It is to be cut transversely into rings of suitable thickness, similar to the solid ring represented in Fig. 4, or, if taken from the spirally-cut portion, into rings having lapped ends, similar to the ring represented in Fig. 5.

If desired, rings composed of two lapped sections, similar to that illustrated in Fig. 6, may be produced by properly cutting a solid ring. The rings having lapped ends are advantageous in some cases, because they can, on being opened, be slipped sidewise around a stem or rod to be packed.

It will be seen that by my invention I produce a cylinder or round stick of lubricant packing material which, because of its homogeneous character, can be cut to form washers almost as thin as paper, will not lose its integrity through expansion and contraction, and can be trimmed inside or outside, to adapt it for any particular purpose, without presenting any different surface, wherefore I have produced a very desirable article, from which desirable washers or rings of lubricant homogeneous packing material may be conveniently and expeditiously cut.

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

1. As a new article of manufacture, a tube of homogeneous or solid packing material, composed, preferably, of india-rubber, asbestos, and plumbago, and made of a size to fit in a stuffing-box, and adapted to be cut into rings of any desired thickness, substantially as specified.

2. A new article of manufacture, consisting of a tube of solid packing material, provided with a spiral cut, *a*, whereby it may be cut into packing-rings having lap ends, substantially as specified.

JEREMIAH O'MEARA.

Witnesses:

CHANDLER HALE,
OWEN PRENTISS.