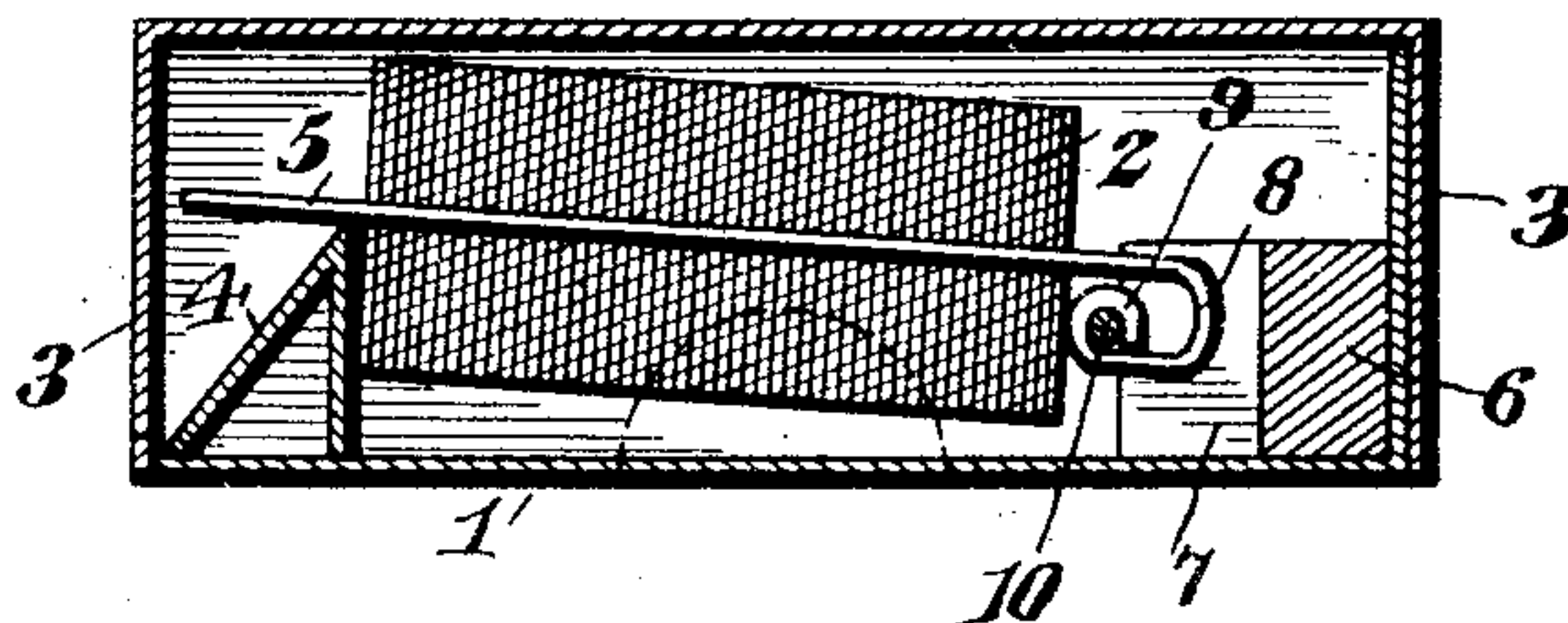


No. 781,313.

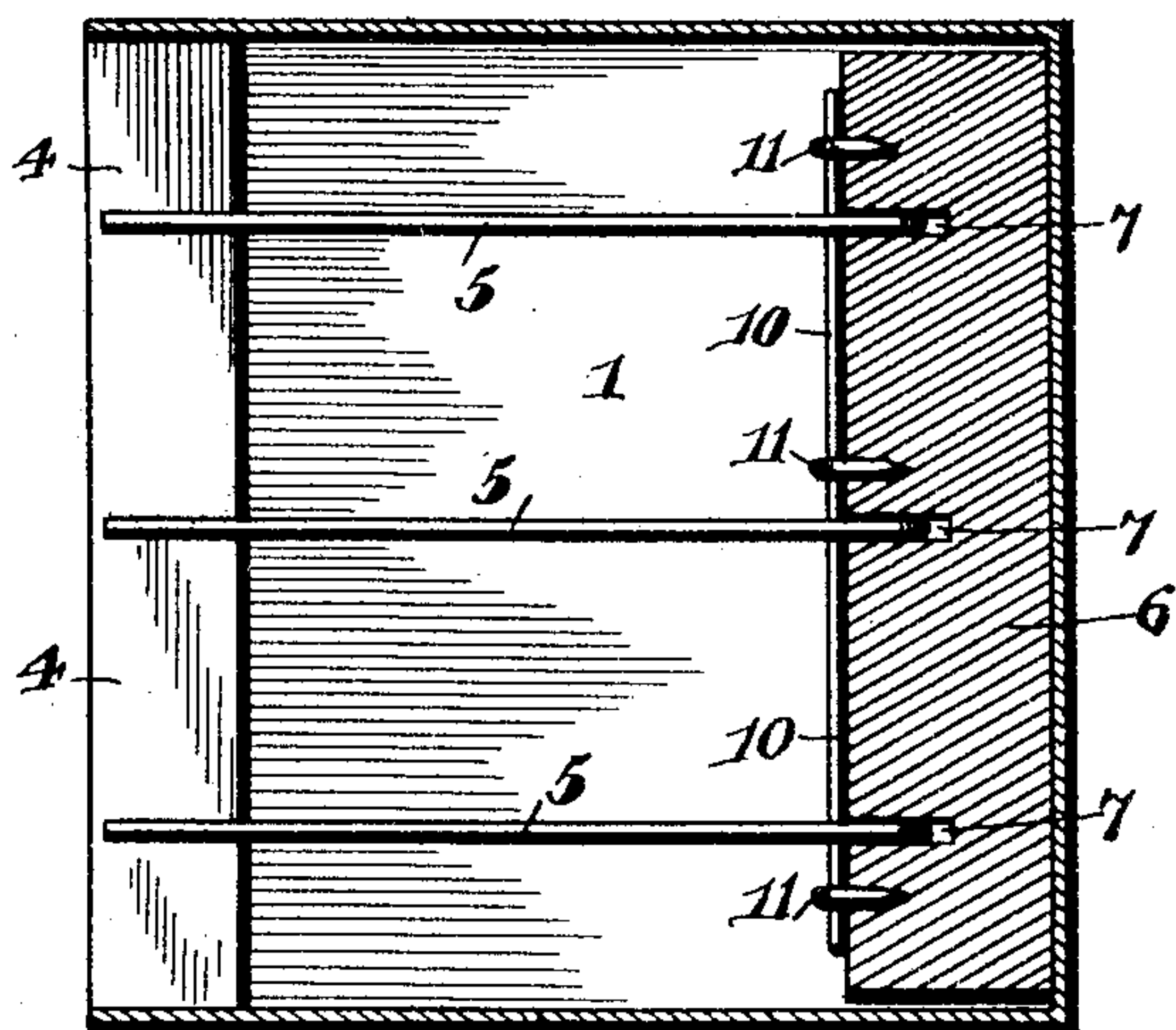
PATENTED JAN. 31, 1905.

J. A. THOMAS.  
DENTAL DISK PACKAGE.  
APPLICATION FILED APR. 27, 1904.

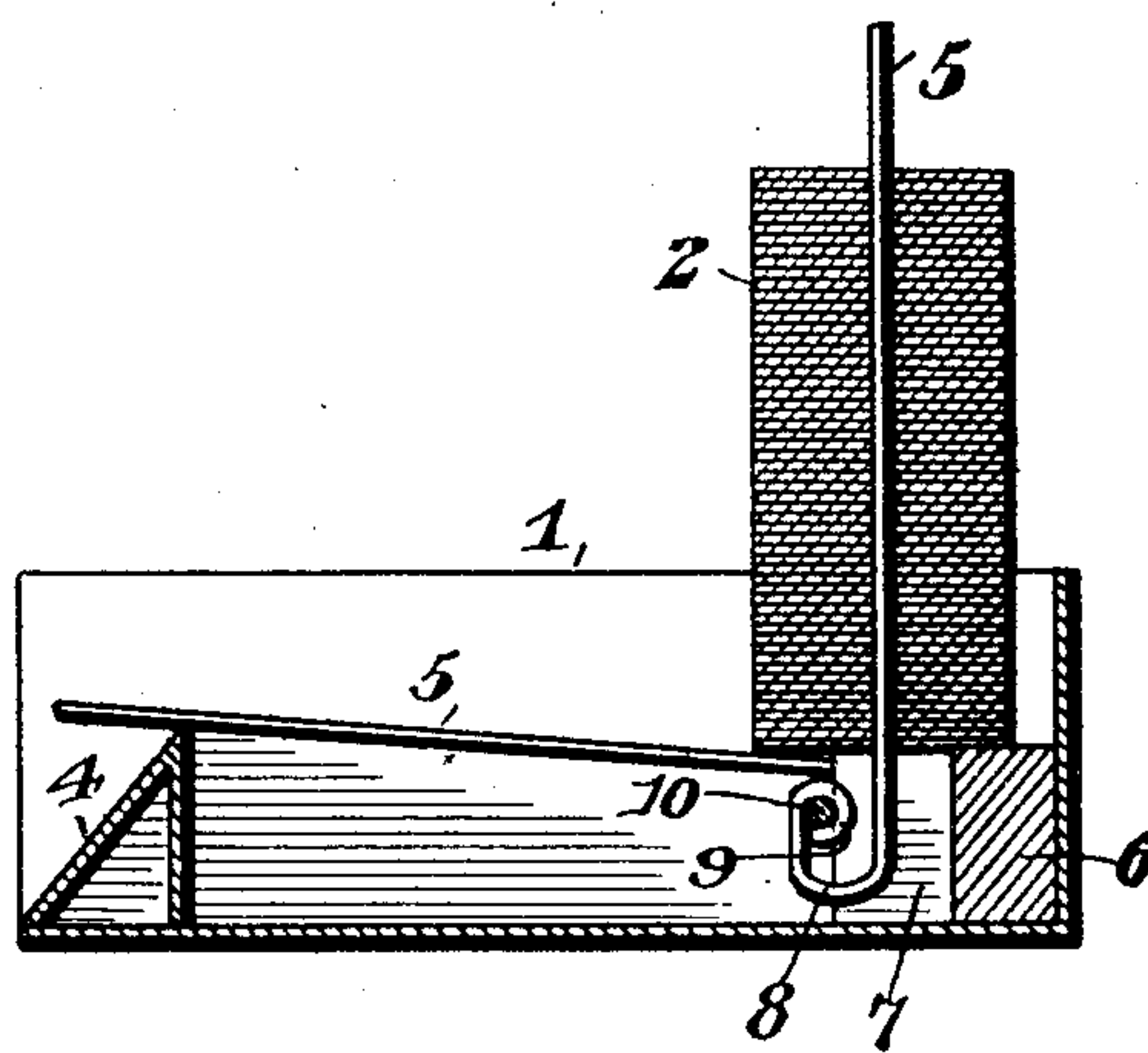
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



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By

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# UNITED STATES PATENT OFFICE.

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## DENTAL-DISK PACKAGE.

**SPECIFICATION** forming part of Letters Patent No. 781,313, dated January 31, 1905.

Application filed April 27, 1904. Serial No. 205,200.

*To all whom it may concern:*

Be it known that I, JACOB A. THOMAS, a citizen of the United States, residing at Hanover, in the county of York and State of Pennsylvania, have invented a new and useful Dental-Disk Package, of which the following is a specification.

The invention relates to improvements in dental-disk packages.

10 The object of the present invention is to improve the construction of dental-disk packages and to provide a simple, inexpensive, and efficient one adapted to be employed as an original package for the sale of dental disks  
15 and capable of holding the same until they are used and of affording convenient access to the disks, whereby they may be readily removed as required.

A further object of the invention is to provide a dental-disk package of this character  
20 adapted to receive a series of disks in a horizontal position to permit the use of a cover for protecting them from dust and dirt and capable of enabling the series to be supported  
25 in an upright position to afford free access to the disks when it is desired to use the same.

Another object of the invention is to enable dental disks to be arranged so that they will be prevented from warping or otherwise  
30 getting out of shape while in the box or package.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts  
35 hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the claims may be  
40 resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a vertical sectional view of a dental-disk package constructed in accordance with this invention. Fig. 2 is a horizontal sectional view of the same. Fig. 3 is a vertical sectional view illustrating the manner of supporting a series of  
45 disks in a vertical position.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a box designed to be constructed of paper or any other suitable material and adapted to receive dental polishing-disks 2, of sandpaper, emery-paper, or cloth or any other material; but the dental-disk holder may also be advantageously employed as a receptacle for metal disks or wheels or analogous tools or devices. The box is provided with an ordinary cover 3, and it has a substantially V-shaped support 4 at the front adapted to receive the outer ends of one or more wire rods or stems 5 and forming the front wall of the box, as clearly shown in Fig. 3 of the drawings. The front V-shaped support, which is constructed of paper, pasteboard, or other suitable material like the rest of the box, has an outer inclined side and a vertical inner side, the apex being spaced from the front of the box a sufficient distance to permit the end portions of the disk-receiving rods or stems 5 to project, whereby they may be readily grasped to swing a rod or stem and its supply of disks from a substantially horizontal position, as illustrated in Fig. 1, to a vertical position, as shown in Fig. 3. The said support, which extends upward from the bottom of the box, terminates short of the top at a point about midway between the upper and lower edges of the side walls, so that the series of disks when in a horizontal position will be arranged wholly within the box. A series of disks is swung upward to a vertical position when it is desired to use the disks, and the latter may be removed from the pile or series as rapidly as desired. When the supporting rod or stem is swung downward upon the support, as shown in Fig. 1, the disks will be retained on the rod or stem by the V-shaped support. The wire rods or stems are hinged at the back of the box to the front face of a strip or bar 6 of wood or any other suitable material, the bar being preferably constructed of wood and glued or otherwise secured within the box to form a rear support to receive the disks, as hereinafter explained. The bar 6 is provided with a series of kerfs or grooves 7, extending rear-



ward from the front face of the bar and adapted to receive the hinged ends of the rods or stems 5. The hinged end of each rod or stem 5 is bent to form a substantially U-shaped portion 8, and the outer terminal thereof is coiled to form an eye 9 for the reception of a pintle-rod 10, which hinges each of the rods or stems to the bar. The pintle-rod is secured to the rear supporting-bar 6 by staples 11; but any other suitable fastening device may be employed. The U-shaped lower portion of the rod or stem offsets the latter from the plane of the pintle-rod, and the rod when in a vertical position, as illustrated in Fig. 3, is rearwardly offset from the pintle-rod and is arranged some distance in rear of the front face of the bar 6, whereby the horizontal upper face of the latter is adapted to firmly support the series of disks. Furthermore, the U-shaped bend of the lower portion of the rod forms a broad base portion for engaging the side walls of the kerf or groove, whereby the rod or stem is prevented from wobbling laterally when in a vertical position. When the operator is through with the disks, the series is returned to a horizontal position and the cover is replaced on the box, thereby protecting the disks from dust and dirt. When the box is full, the resiliency of the series of disks operates to hold the outer end disks firmly against the vertical front wall of the V-shaped support and prevents the rods or stems from being accidentally swung upward out of engagement with the same. This will prevent the disks from being injured, especially during shipment, as they will not strike against the cover of the box.

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

1. A device of the class described, comprising a receptacle provided with a disk-support, and a disk-receiving rod or stem hinged at the support and adapted to be arranged in a substantially horizontal position within the receptacle and arranged to be swung upward to an upright position to permit a series of disks to rest upon the support, substantially as described.

2. A device of the class described, comprising a receptacle provided with a support having a kerf or groove, and a disk-receiving rod or stem hinged at the kerf or groove and extending into the same, whereby the disks are adapted to rest upon the support when the rod or stem is arranged in an upright position, substantially as described.

3. A device of the class described, comprising a receptacle, a support having a groove or kerf, and a disk-receiving rod or stem hav-

ing its lower end bent downward and hinged at the groove or kerf and arranged to engage the side walls thereof, said disk-receiving rod or stem being extended into the kerf to permit the disks to rest upon the support when the rod or stem is in an upright position, substantially as described.

4. A device of the class described, comprising a receptacle provided at the front with a support forming the front wall and terminating short of the upper edges of the sides, and a disk-receiving rod or stem hinged at the back of the receptacle and having its front end resting upon the said support, substantially as described.

5. A device of the class described, comprising a receptacle provided at the front with a substantially V-shaped support having its apex offset from the front ends of the sides of the box, and a rod or stem hinged at the back and having its front end resting upon the support and extending in advance of the apex thereof, substantially as described.

6. A device of the class described, comprising a receptacle provided at the front with a support, and a disk-receiving rod or stem hinged at the back of the receptacle and arranged to rest upon the support, the disks carried by the rod frictionally engaging the support and retaining the rod thereon, substantially as described.

7. A device of the class described, comprising a receptacle provided with opposite supports, a disk-receiving rod or stem hinged to one of the supports and having its free end resting upon the other, said rod or stem being arranged to permit the disks to rest upon the support to which the rod or stem is hinged when the said rod or stem is in an upright position, said disks engaging the other support and retaining the rod or stem thereon when the same is swung downward, substantially as described.

8. A device of the class described, comprising a receptacle provided at the front with a support forming the front wall and terminating short of the upper edges of the sides, a disk-receiving rod or stem hinged at the back of the receptacle and having its front end resting upon the said support, and a removable cover for the receptacle, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JACOB A. THOMAS.

Witnesses:

W. H. LONG,

EFFIE M. B. BASTIAN.