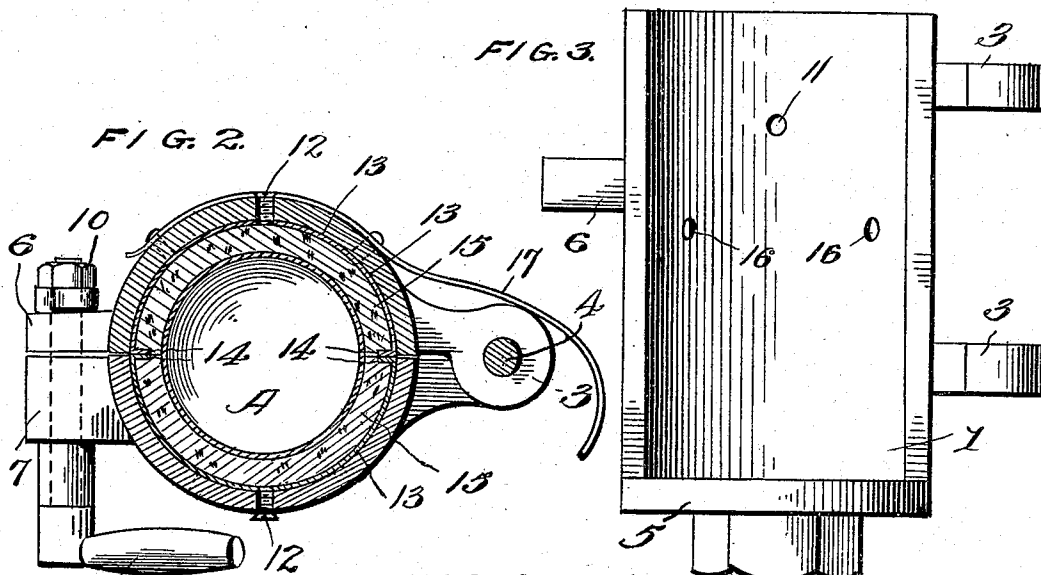
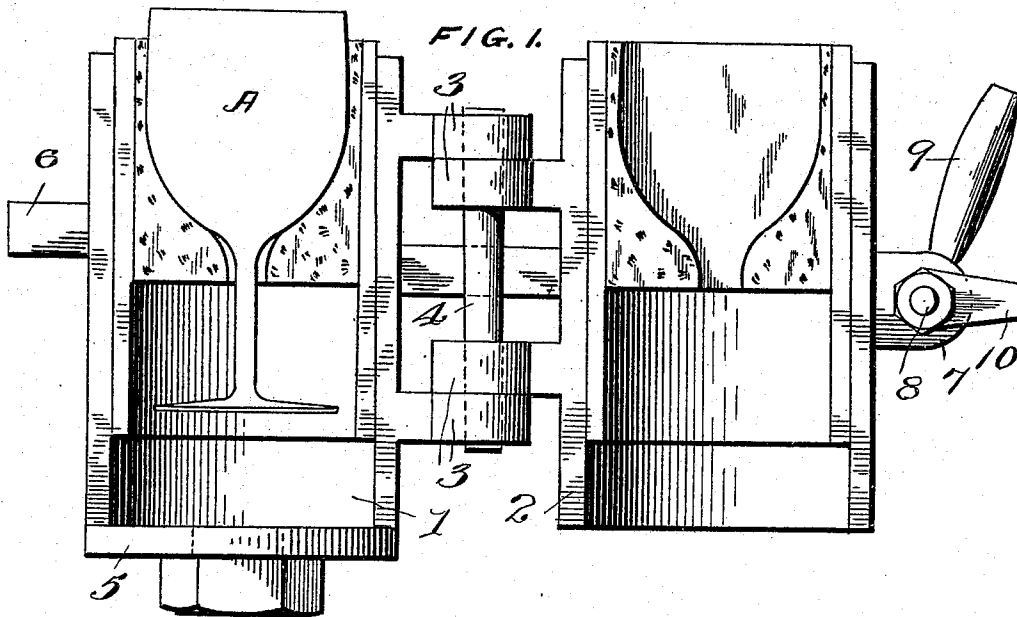


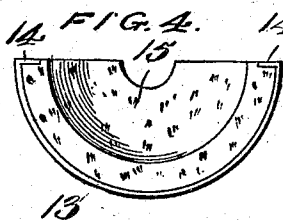
A. B. KNIGHT.
CHUCK FOR GRINDING STEM WARE.
APPLICATION FILED MAR. 23, 1909.

936,912.

Patented Oct. 12, 1909.



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CHUCK FOR GRINDING STEM-WARE.

936,912.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed March 23, 1909. Serial No. 485,161.

To all whom it may concern:

Be it known that I, ALBERT B. KNIGHT, citizen of the United States, residing at Fairmont, in the county of Marion and State of West Virginia, have invented certain new and useful Improvements in Chucks for Grinding Stem-Ware, of which the following is a specification.

The operation of grinding glass ware, and particularly stem-ware, has, up to the present time, been attended by a great loss of ware through breakage and bad grinding.

It is therefore, the object of my invention to provide a device for holding glass ware, and more particularly stem-ware, and firmly clamping the same, in order that it may be firmly and evenly advanced against the revolving grinding stone, without that jar and vibration which results usually in the scratching, breaking, or uneven finish of the article.

In the accompanying drawing, which illustrates my invention, and forms a part of this specification, Figure 1 is an elevation of my improved structure in the open position. Fig. 2 is a horizontal sectional view taken therethrough in the closed position. Fig. 3 is an elevation of one of the hinged sections of the holder, with the lining and filling removed, and, Fig. 4 is a plan view of one of the holder section linings, with the cork filling therein.

In the construction of my improved chuck, I provide a tubular holder, comprising semi-circular sections 1 and 2, each provided with relatively alining apertured ears 3, through which a bolt 4 passes, to form a hinge, whereby sections 1 and 2 may be swung toward and away from one another, the section 1 being provided with a circular base 5. The apertured ears 3, forming the hinge between members 1 and 2, extend from one edge of said members adjacent their upper and lower ends, while from the opposite edges of said members extend lugs 6 and 7 respectively, the lugs 7 of section 2, being apertured for the reception of a transverse rotatable bolt 8, provided with a handle 9 upon one end by which it may be rotated, and provided upon its opposite end, with a nut-held locking finger 10, projecting outwardly at right angles thereto, and adapted for engagement with the outer cam surface of lug 6 of section 1, when the sections 1 and 2 are closed,

and by the rotation of bolt 8, to lock the said sections together, as shown in Fig. 2.

Adjacent their upper ends, and centrally thereof, each of the holder sections 1 and 2 is provided with an aperture 11, through which extends a screw 12, threaded into an opening in a metallic lining 13, conforming to the shape of the sections, and provided with inwardly bent edges 14. In each of the linings 13 of the sections 1 and 2 is retained a semi-circular section 15 of cork held by means of the inwardly bent edges 14 of said linings 13, and cored out as shown in Figs. 1, 2 and 4 to the shape of the article of glass ware A which is to be ground. The holder section 1 is further provided with spaced openings 16, in a horizontal plane below the plane of the screw hole 11, whereby the ends of a band brace 17 may be secured by rivets 18. Thus from the foregoing, the operation of my improved chuck will be readily apparent, it being understood that when the hinged sections thereof are open, the cork filling is held within the respective sections by the linings 13, and that the brace band 17 operates to prevent the sections from being opened farther than is necessary when the chuck is opened to take out the ground article and replace another to be ground.

Having fully described my invention, I claim:

1. In a glass ware chuck, the combination of a tubular holder, comprising semi-circular hinged sections, a cork filling for said holder, comprising semi-circular sections carried by said holder sections, and means to secure said holder sections together, said cork filling being cored out to the shape of, and to receive the article to be held, substantially as described.

2. In a glass ware chuck, the combination of a tubular holder, comprising semi-circular hinged sections, a cork filling for said holder, comprising semi-circular sections carried by said holder sections, means to support one of said holder sections when the same is opened, and means to secure said holder sections together, said cork filling being cored out to receive the article to be held, substantially as described.

3. In a glass ware chuck, the combination of a tubular holder, comprising semi-circular hinged sections, a lining for each of said

sections, detachably secured thereto, and provided with inwardly bent edges, and a cork filling for said holder, comprising semi-circular sections mounted within said holder
5 sections, and confined by said bent edges of said lining, and cored out to receive the article to be held, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT B. KNIGHT.

Witnesses:

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