

C. A. YOST.
CLAMPING DOG.

APPLICATION FILED JULY 1, 1903.

NO MODEL.

Fig. 1.



Fig. 2.

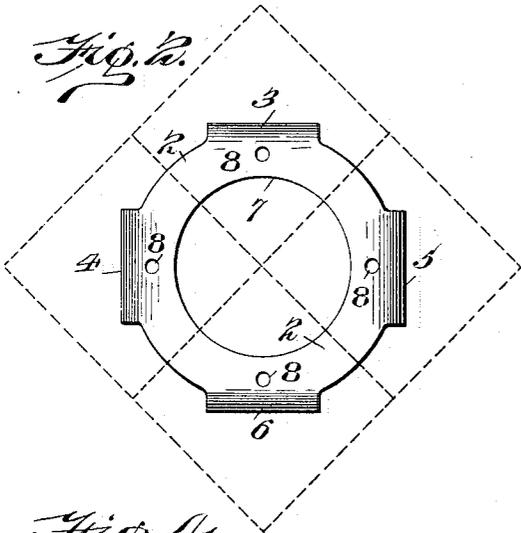


Fig. 3.

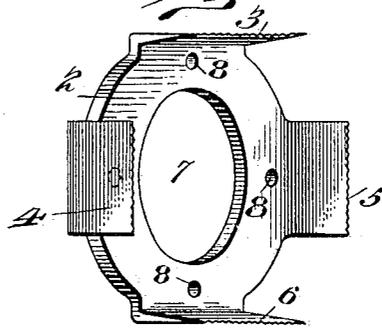


Fig. 4.

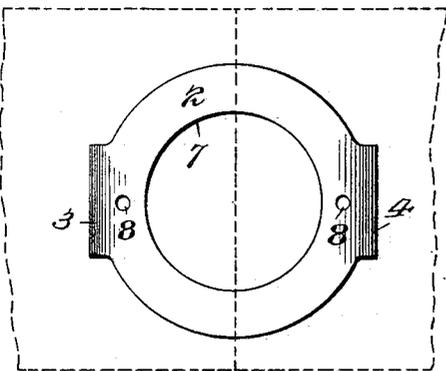
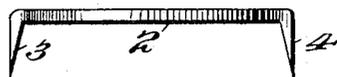


Fig. 5.



Witnesses:
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UNITED STATES PATENT OFFICE.

CHARLS A. YOST, OF DONORA, PENNSYLVANIA.

CLAMPING-DOG.

SPECIFICATION forming part of Letters Patent No. 758,881, dated May 3, 1904.

Application filed July 1, 1903. Serial No. 163,956. (No model.)

To all whom it may concern:

Be it known that I, CHARLS A. YOST, a resident of Donora, in the county of Washington and State of Pennsylvania, have invented a new and useful Improvement in Clamping-Dogs; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to clamping-dogs for use in connection with lathes for wood-turning.

The object of my invention is to provide a clamping-dog by means of which two or more pieces of wood may be clamped together so as to be secured to the lathe-chucks in such a manner that the several pieces of wood may be held securely together so as to be turned at the same time.

My invention comprises, generally stated, a clamping-dog consisting of a metal plate having two or more tongues extending out beyond the body thereof and bent at substantially right angles to the body of the plate to form knife-like jaws adapted to enter the ends of the pieces of wood to be clamped together for turning.

To enable others skilled in the art to make and use my invention, I will describe the same more fully, referring to the accompanying drawings, in which—

Figure 1 is a side view broken away of my improved clamping-dog used for the purpose of clamping four pieces of wood together. Fig. 2 is a plan view of the said clamping-dog, showing the four pieces of wood in dotted lines. Fig. 3 is a perspective view of my improved clamping-dog removed, and Figs. 4 and 5 are views of a modified form of my invention.

Like numerals indicate like parts.

In the drawings the numeral 2 designates my improved clamping-dog, which consists, preferably, of a circular metal plate, either wrought iron or steel, with the clamping-jaws 3, 4, 5, and 6 formed on the outer edge of said plate and at substantially opposite points thereon at equal intervals apart. These jaws are formed by bending over tongues projecting beyond the body of the plate and are knife-like with sharpened edges, so as to readily enter the wood, the outer faces of said jaws

being substantially at right angles to the body of the dog, while the inner faces are slightly beveled or tapering to form the sharp edge. The edges of the jaws are serrated, so as to obtain a better hold upon the wood when forced therein.

The clamping-dog is provided with the central opening 7, through which the head or tail chuck of the lathe may protrude, and by having this opening in the dog it may be used in connection with any kind of a chuck. The dog may further be provided with apertures 8, through which screws 9 may be introduced in order to secure the dog more firmly in position.

It is apparent that with a clamping-dog having four jaws four pieces of wood may be clamped together upon this single dog, and Fig. 2 illustrates clearly how this may be accomplished. The four square pieces of wood meet at the center of the dog, each jaw entering a separate piece of wood and the four jaws arranged at opposite points acting to bind the several pieces closely together and hold them securely in position with reference to each other to prevent their displacement during the turning operation. To further secure the dog in position, as stated, the screws 9 may be screwed into each piece of wood. When the several pieces of wood have been thus clamped together by the dog, they may be supported by the lathe-chucks 10 and turned in the ordinary way. The clamping-dog thus provides for the holding of several pieces together and the turning of the same at one time, thereby increasing the output and greatly reducing the labor.

In Figs. 4 and 5 I have illustrated another form of my invention in which the dog is provided with two clamping-jaws instead of four, whereby only two pieces of wood can be clamped together for turning, as clearly illustrated in Fig. 4.

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

1. A lathe-dog for clamping two or more pieces of material together during the turning operation, comprising a metal plate having two or more tongues extending out be-

yond the body thereof and bent at right angles to said body to form knife-like jaws.

2. A lathe clamping-dog for clamping two or more pieces of material together during the turning operation, comprising a metal plate having two or more tongues extending out at opposite points beyond the body thereof and bent substantially at right angles to said body to form knife-like jaws.

3. A lathe clamping-dog for clamping two or more pieces of material together during the turning operation, comprising a metal plate

having two or more tongues extending out beyond the body thereof and bent substantially at right angles to said body to form knife-like jaws, and an enlarged opening formed at or about the center of said plate.

In testimony whereof I, the said CHARLES A. YOST, have hereunto set my hand.

CHARLS A. YOST.

Witnesses:

DANIEL S. YOST,
GEO. McCARES.