

(No Model.)

R. D. CODY.
WASHER FOR TOOL POSTS.

No. 568,428.

Patented Sept. 29, 1896.

FIG. 1.

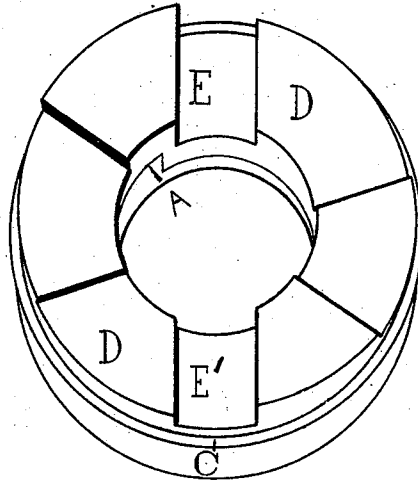


FIG. 4.

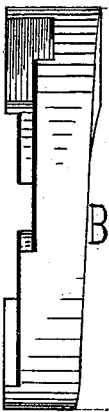


FIG. 2.

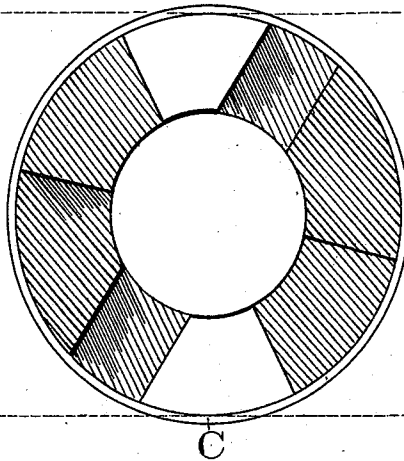
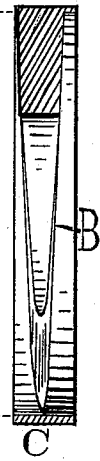


FIG. 3.



ATTEST

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WASHER FOR TOOL-POSTS.

SPECIFICATION forming part of Letters Patent No. 568,428, dated September 29, 1896.

Application filed November 19, 1895. Serial No. 569,462. (No model.)

To all whom it may concern:

Be it known that I, RICHARD D. CODY, of the city of Winona, in the county of Winona, State of Minnesota, have invented certain
5 new and useful Improvements in Washers for Tool-Posts; and I do declare the following to be a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and
10 use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The main object of my invention is to make
15 a washer that will raise the cutting-tool horizontally any part of one-half inch, more or less, and at the same time be as solid as a solid washer.

To the accomplishment of the foregoing I
20 have made a washer as is shown in Figure 1, and is made in two sections.

Fig. 1 is a perspective view of the washer. Fig. 2 is the top view of the washer, showing the shape of the steps. Fig. 3 shows the lower
25 section of the washer edgewise. Fig. 4 shows the upper section of the washer edgewise. The upper section of the washer, which forms the principal part of my improved washer, has steps on the upper side, and the lower side B is pitched to fit B', Fig. 3, of the lower section.

The pitch on Fig. 3, B', and Fig. 4, B, is one-half inch to the circumference of the washer, and the operation is as follows: By turning the lower section, Fig. 3, two-fifths around
35 it will raise the upper section one-fifth of an

inch, which will be the height of the first step D D, (shown in Fig. 1,) from the lowest step E E'.

The cutting end of the tool rests on E', Fig. 1. The shoulder A in Fig. 1 is at its limit
40 when it is turned around under E', and if the tool is to be raised higher than the one-fifth inch the lower section is turned back by the projection C to the shoulder A in Fig. 1, and the tool is placed on step D D, Fig. 1, 45 and turned, as stated above, until the highest step is reached, which is the limit of the washer.

C in Figs. 1, 2, and 3 is a projection on the lower section of the washer for a handhold
50 for turning the same, and in Fig. 3 one half of C is left off to show the pitched line B' of the lower section of the washer.

I am aware that prior to my invention washers for tool-rests have been made with in-
55 clines. I therefore do not claim such a combination broadly, but

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

The combination in an adjustable washer for
60 a tool-post of an upper section provided with the steps D upon its upper plane and a pitch surface B upon its lower plane with a lower section provided with a pitch surface B' upon its upper plane and a projection C upon its
65 edge substantially as described.

RICHARD D. CODY.

In presence of—

P. FITZPATRICK,
WILLIAM C. MOORE.