No. 849,200. PATENTED APR. 2, 1907.

C. A. BRINLEY.

BUSHING.

APPLICATION FILED SEPT. 10, 1904.

FIG. I.

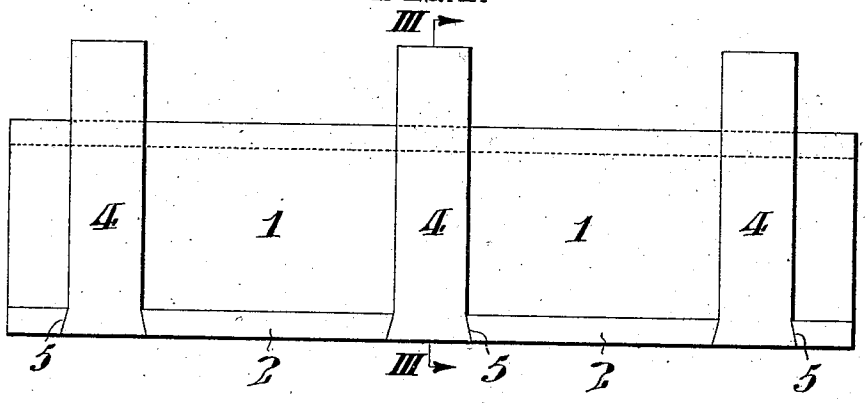


FIG. II.

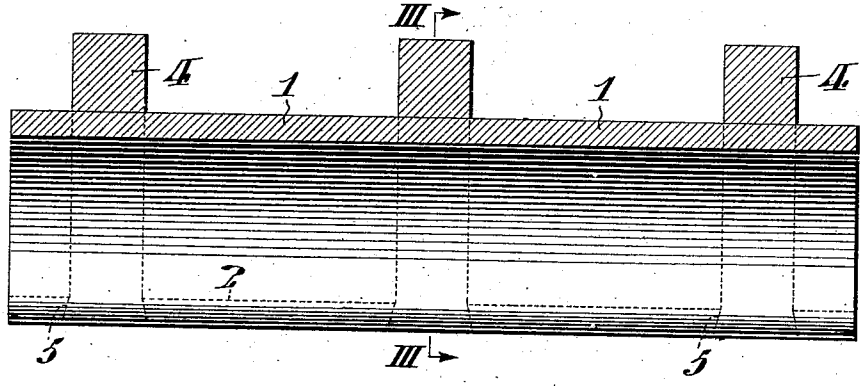
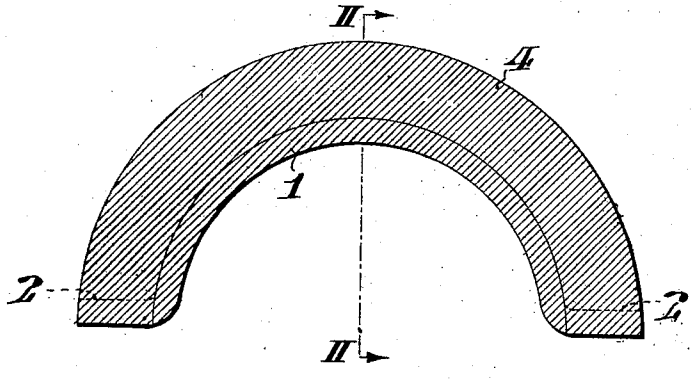


FIG. III.



WITNESSES:

Clifton C. Hallowell

John C. Bergner.

INVENTOR

CHARLES A. BRINLEY,

by Paige, Paul & Bakey,

Attys.

UNITED STATES PATENT OFFICE.

CHARLES A. BRINLEY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE AMERICAN PULLEY COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

BUSHING.

No. 849,200. Specification of Letters Patent. Patented April 2, 1907.

Application filed September 10, 1904. Serial No. 223,963.

To all whom it may concern:

Be it known that I, CHARLES A. BRINLEY, of Philadelphia, in the State of Pennsylvania, have invented certain new and useful Improvements in Bushings, whereof the following is a specification, reference being had to the accompanying drawings.

My improvements relate particularly to split or longitudinally-divided bushings for bearings for shafting, wheel-axles, &c.; and it is the object of my invention to provide such a bushing of wrought and pressed metal members which may be constructed at less cost than the solid cast-metal bushings heretofore employed.

As hereinafter described, my invention comprises a half-bushing formed of a semicylindric pressed sheet-metal shell having flanges extending diametrically outward at the edges thereof and semicircular ribs of wrought metal fitted to said semicylindric shell and having their ends engaged with said flanges.

My improvements comprise the various novel features of construction and arrangement hereinafter more definitely specified.

In the drawings, Figure I is a side elevation of a half or semicylindric bushing embodying my improvements. Fig. II is a central longitudinal sectional view of said bushing, taken on the line II II in Fig. III. Fig. III is a transverse sectional view taken on the line III III in Figs. I and II.

In said figures the half-bushing comprises a semicylindric shell 1, of pressed metal, having diametrically opposite lateral flanges 2. Said bushing is provided with three semicircular spacing-ribs 4, fitted to the periphery of said shell 1 and having their ends entered in recesses 5 in said flanges 2. I find it convenient to form said ribs 4 of bars which are rectangular in cross-section and to secure them in rigid relation with said shell 1 by undercutting said flange-recesses 5 and upsetting the metal of said ribs therein, as indicated in Figs. I and II; but said ribs may be otherwise shaped and secured.

I claim—

1. In a bushing, the combination with a semicylindric metal shell having diametrically opposite flanges, provided with recesses; of a semicircular rib, fitted to the periphery of said shell and having its ends secured in said recesses, substantially as set forth.

2. In a bushing, the combination with a semicylindric metal shell having diametrically opposite flanges provided with undercut recesses; of a semicircular rib, fitted to the periphery of said shell and having its ends upset in said recesses, substantially as set forth.

3. In a bushing, the combination with a semicylindric metal shell having diametrically opposite flanges provided with recesses; of a semicircular rib, of rectangular cross-section, fitted to the periphery of said shell and having its ends secured in said recesses, substantially as set forth.

4. In a bushing, the combination with a semicylindric iron shell having diametrically opposite flanges provided with recesses; of a semicircular wrought-iron rib, fitted to the periphery of said shell and having its ends secured in said recesses, substantially as set forth.

5. In a bushing, the combination with a cylindriform metal shell having an exterior flange provided with a recess; of a rib fitted to the periphery of said shell and having its end secured in said recess, substantially as set forth.

In testimony whereof I have hereunto signed my name, at Philadelphia, Pennsylvania, this 9th day of September, 1904.

CHARLES A. BRINLEY.

Witnesses:

RUSSELL H. BOWEN,

ARTHUR E. PAIGE.