May 2, 1933. W. L. LAMLEY 1,907,326

ECCENTRIC

Filed April 25, 1930

Fig. 1.

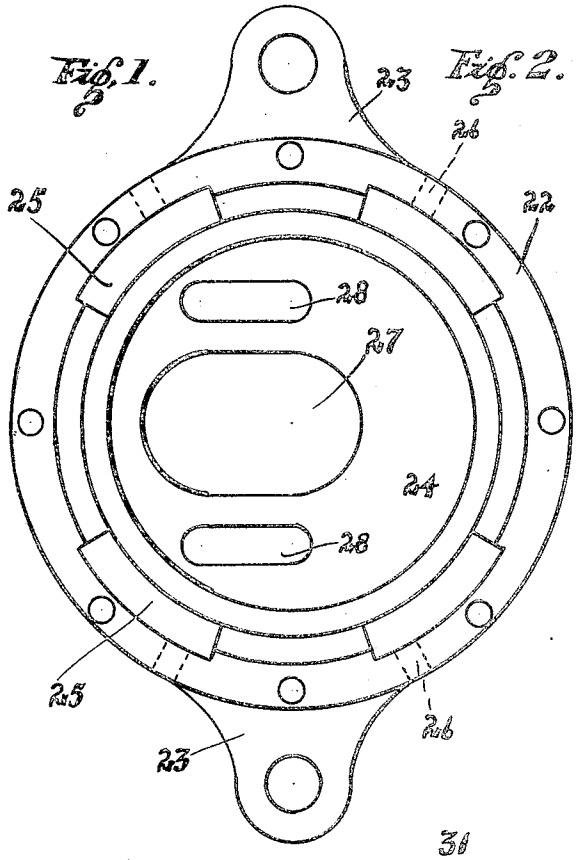


Fig. 2.

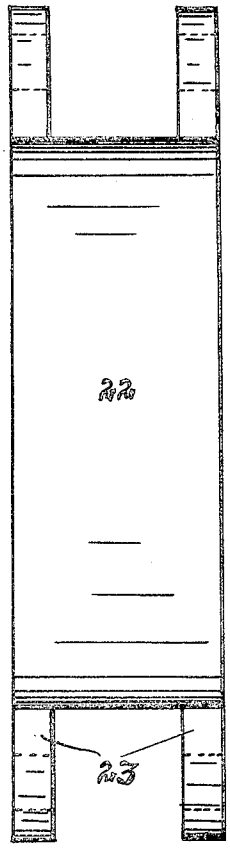


Fig. 3.

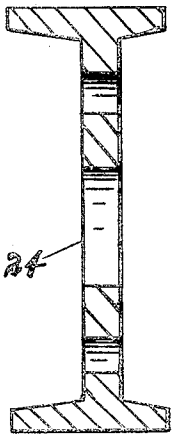


Fig. 4.

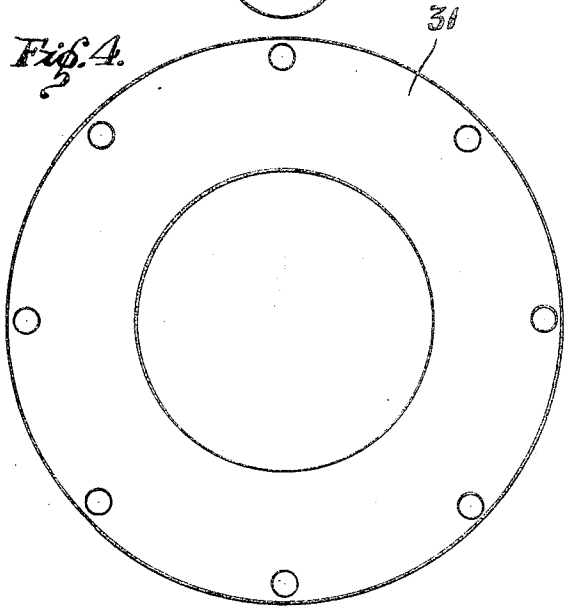


Fig. 5.

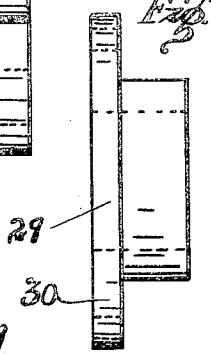
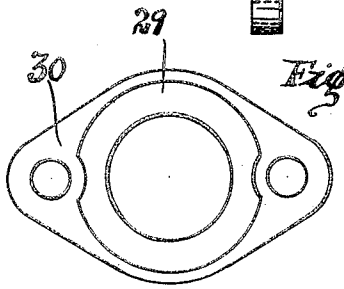


Fig. 6.



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Patented May 2, 1933

1,907,326

UNITED STATES PATENT OFFICE

WILLIAM L. LAMLEY, OF LYNWOOD, CALIFORNIA

ECCENTRIC

Application filed April 25, 1930. Serial No. 447,214.

This invention relates to an eccentric particularly useful upon mud classifiers and the prime object of my invention is to provide an eccentric which can be quickly and easily repaired, and which is sturdy in construction so that the parts thereof will not readily break nor wear out.

Other objects, advantages, and features of invention may appear from the accompanying drawing, the subjoined detailed description, and the appended claim.

In the drawing

Figure 1 is a side view of the eccentric with the cover plates removed.

Figure 2 is an end view of the eccentric housing.

Figure 3 is a transverse, sectional view of the eccentric runner.

Figure 4 is a side elevation of one cover plate.

Figure 5 is an end view of the adjusting collar.

Figure 6 is a side elevation of the same.

The eccentric which I employ is shown in Figures 1 to 6 inclusive, and includes a housing 22. Ears 23—23 extend from either side of the housing and the connecting rods 21 are pivotally secured thereto. A runner 24 is rotatably mounted in the housing 22 upon a plurality of bearing segments 25. These bearing segments are set in grooves in the housing 22, and bear against the outer surface of the runner 24. Openings 26 are provided through the periphery of the housing 22, and communicate with the segments 25. The purpose of these openings is to permit the molten metal to be poured therethrough to form the bearing segments when one or more are destroyed or become worn.

The runner 24 is used as a babbit form when pouring the segments. It will be evident that the segments can be quickly and easily poured and are relatively inexpensive. The runner 24 is provided with a central elongated opening 27, and two parallel adjusting slots 28—28, one on either side of the opening 27. An adjusting collar 29 is secured to the shaft 10, and said collar is provided with a flange 30. Bolts extend through the flange and through the adjusting slots 28 for the purpose of adjusting the position of the collar on the runner 24. Thus the eccentricity of the runner can be regulated as desired.

A cover plate 31 is bolted to the housing 22 forming an assembly, the moving parts of which are enclosed and are not susceptible to great wear, the cover plate also retains the lubricant in the eccentric and prevents oil from dropping into the classifier.

Having described my invention, I claim:

An eccentric for mud classifiers and the like, comprising a housing, ears on the housing to which connecting rods are pivotally secured, a runner, a plurality of arcuate bearing segments secured in the housing and bearing against the runner, said runner having an elongated opening therein, and a pair of elongated adjusting slots, a collar secured to the drive shaft flanges on the collar, bolts extending through the flanges and through said adjusting slots whereby the collar is eccentrically mounted on the runner, and a cover plate secured to the housing.

In testimony whereof, I affix my signature.

WILLIAM L. LAMLEY.