

(No Model.)

G. KRATZ.
LUBRICATING JOURNAL.

No. 258,655.

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Fig. 1

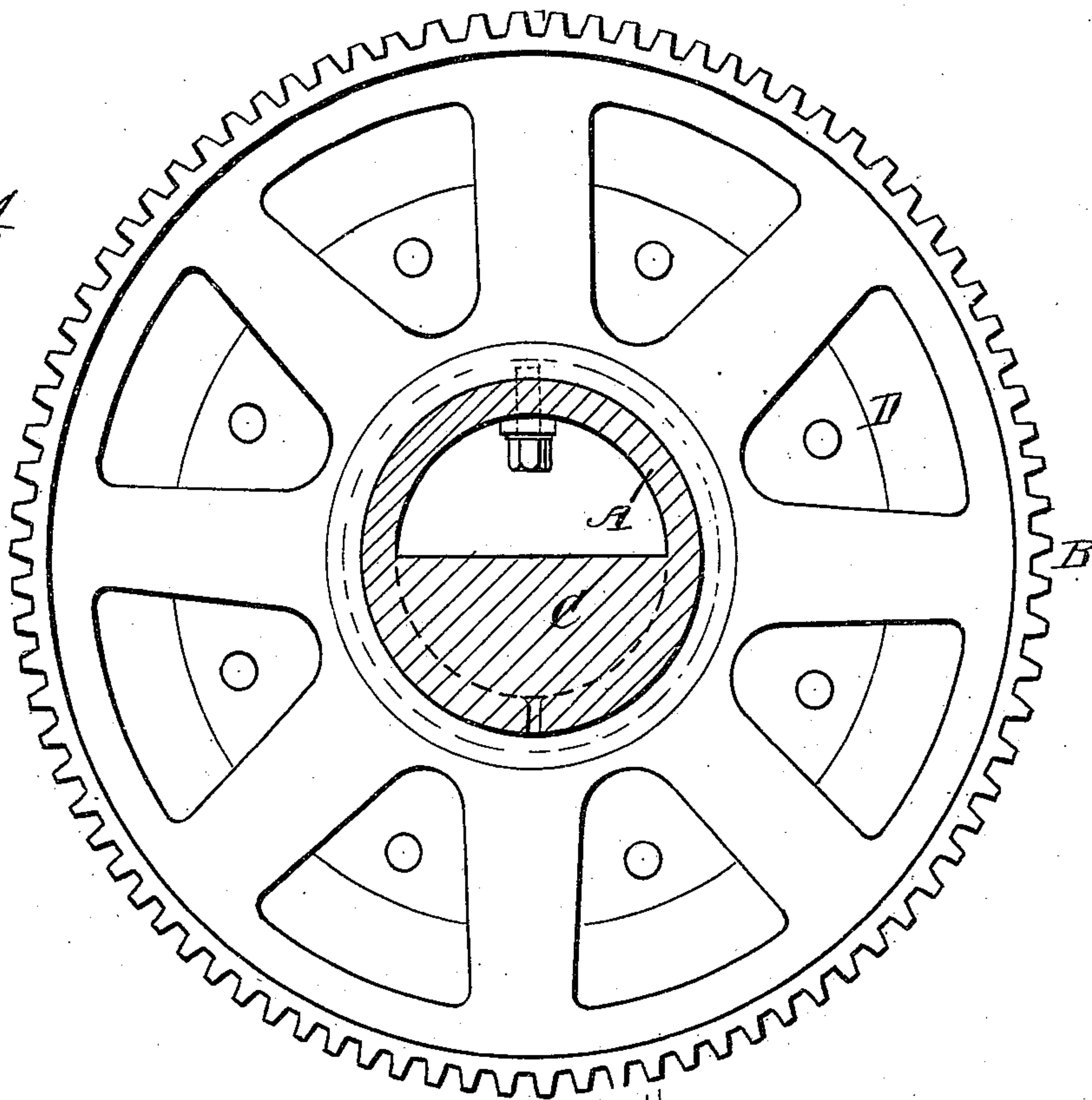
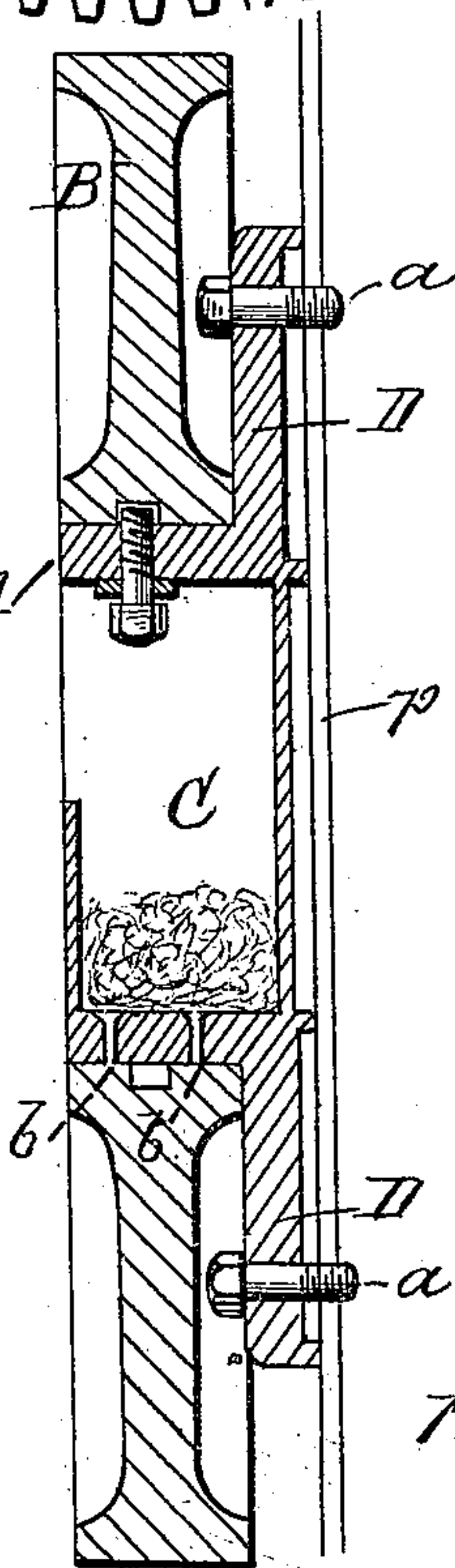


Fig. 2



WITNESSES
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LUBRICATING-JOURNAL.

SPECIFICATION forming part of Letters Patent No. 258,655, dated May 30, 1882.

Application filed April 24, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE KRATZ, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented certain new and useful Improvements in Lubricating-Journals; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a sectional end view of my improved journal, having mounted thereon a spur-gear wheel; and Fig. 2, a sectional elevation thereof.

The present invention has relation to certain new and useful improvements in hollow lubricating-journals; and the object thereof is to avoid cutting out the gear-wheel that revolves on the same, as the entire wheel or wheels attached to a boiler of a portable engine become very hot, and consequently the oil runs out and burns up.

The invention consists in a journal constructed substantially as shown in the drawings and hereinafter described.

In the accompanying drawings, A represents the journal, and B the spur-wheel mounted thereon.

The journal A is formed hollow, or, in other words, with an oil-cup, C, into which is placed the tallow or raw lubricating material, said

journal having an annular flange, D, by means of which the same is secured to the side plate of a boiler by bolts *a* or other suitable fastenings. 35

The spur-wheel B is mounted upon the journal A in any suitable manner that will admit of its revolving thereon, the means shown being set-screws passing through the journal and entering a groove formed on the inner periphery of the wheel to hold it in place. 40

The oil-cup C has feed-holes *b*, so that when the heat from the boiler causes the lubricant in the cup to melt it will run through said openings onto the wearing-surface of both journal and wheel. 45

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is— 50

The combination, with a suitable spur or gear wheel and the side plate of a boiler, of the journal A, formed with oil-cup C, having feed-holes *b*, and the annular flange D for securing it to the side plate, substantially as and for the purpose set forth. 55

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE KRATZ.

Witnesses:

WILLIAM KOCH,
JOHN W. KRATZ.