

No. 753,406.

PATENTED MAR. 1, 1904.

E. J. LEES & E. L. AIKEN.
HANGER FOR SPEED CHANGERS.

APPLICATION FILED DEC. 9, 1903.

NO MODEL.

3 SHEETS—SHEET 1.

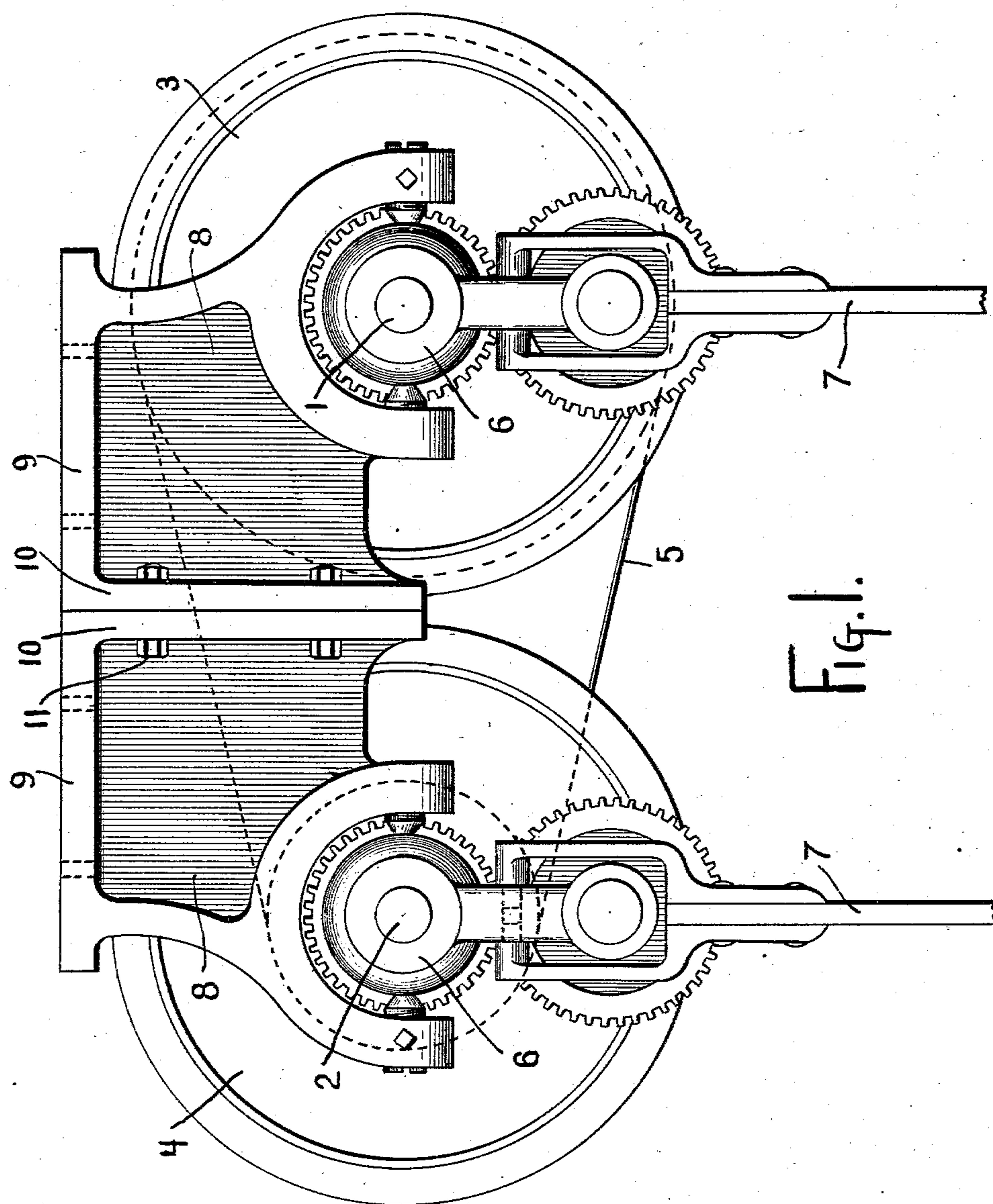


Fig. 1.

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Inventors

by James W. See
Attorney

Witnesses:
Elmer R. Shipley.
M. S. Belden.

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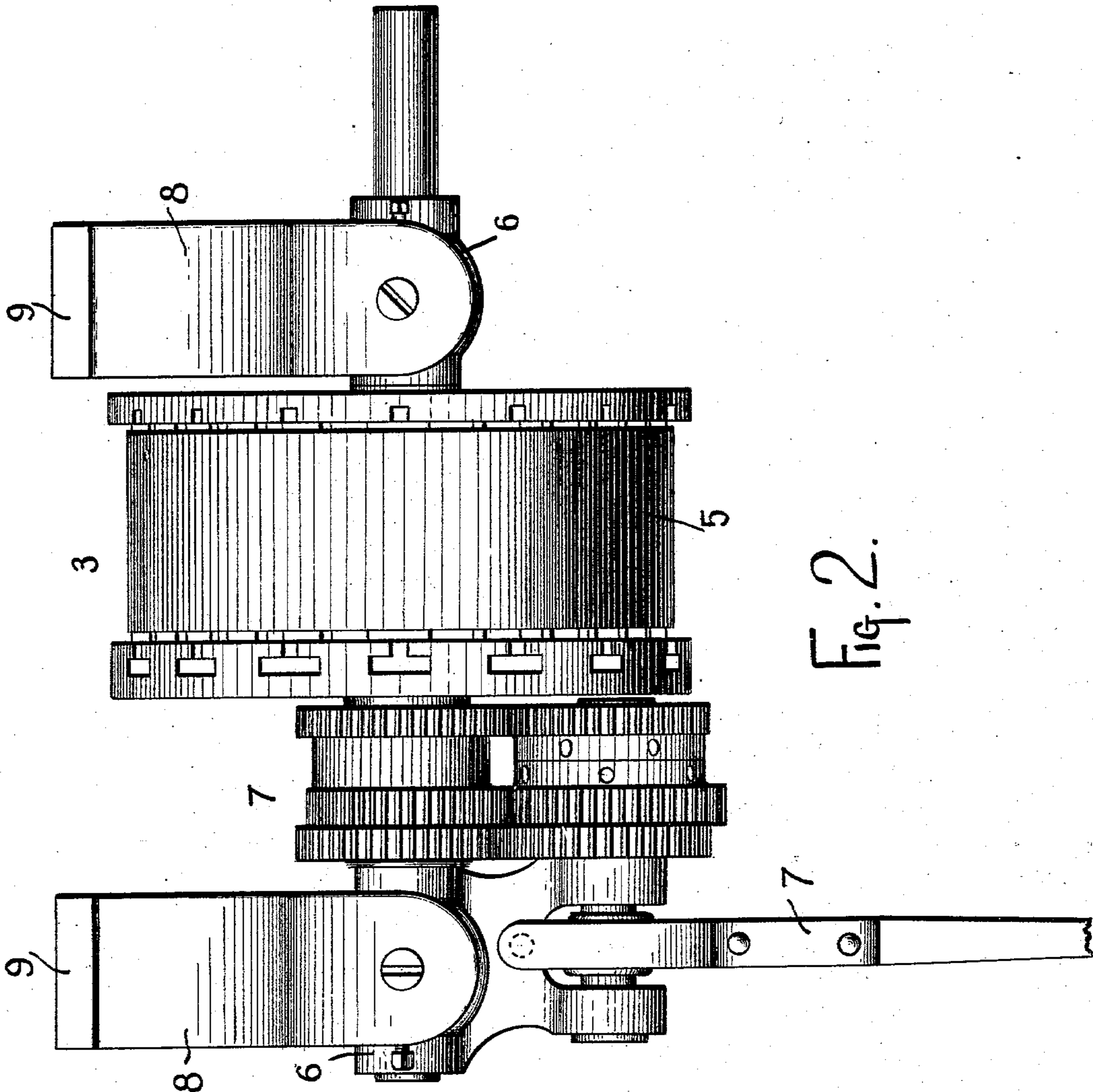


Fig. 2.

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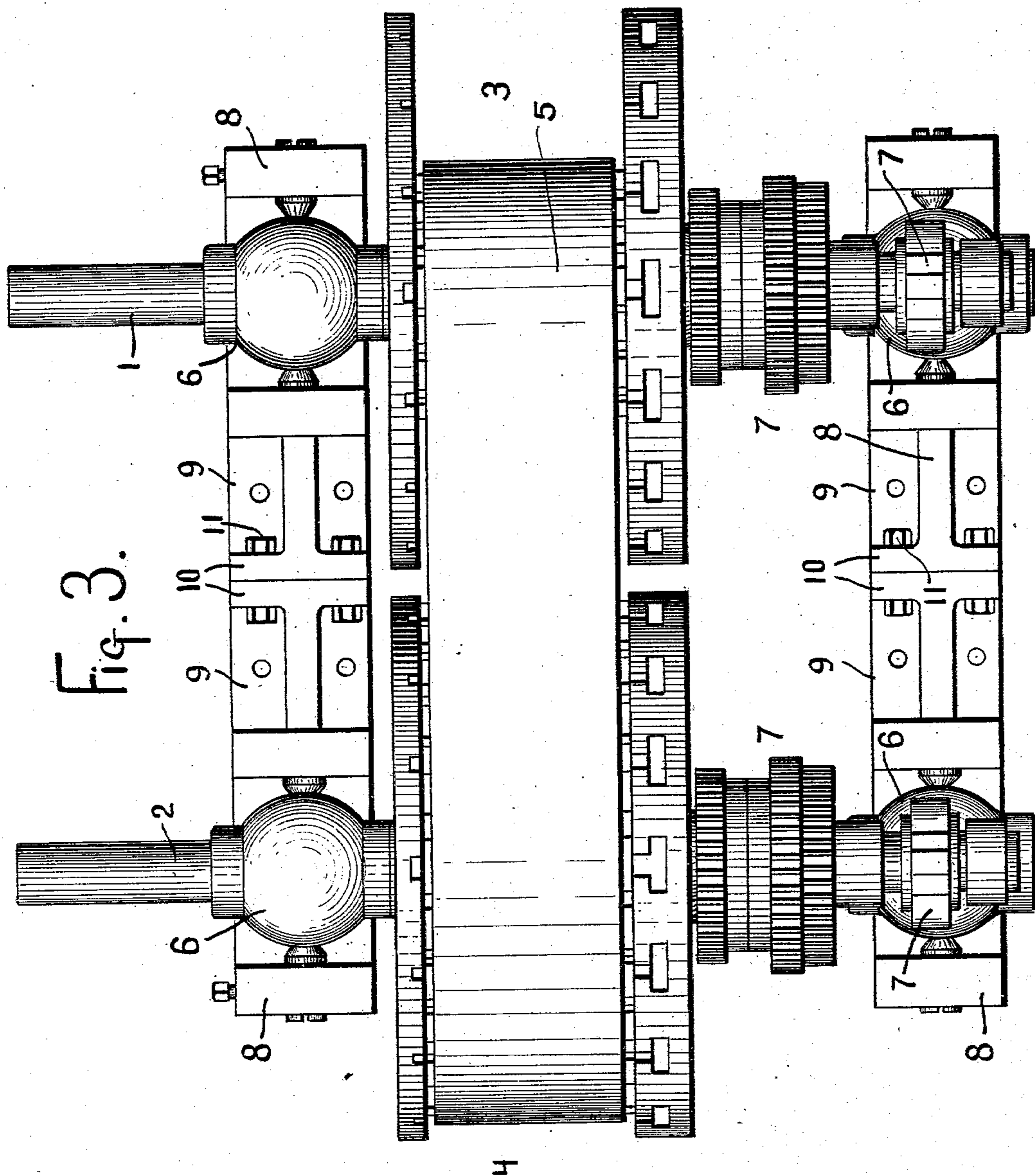
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3 SHEETS—SHEET 3.



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UNITED STATES PATENT OFFICE.

ERNEST J. LEES, OF WARREN, PENNSYLVANIA, AND EDWARD L. AIKEN,
OF EAST ORANGE, NEW JERSEY.

HANGER FOR SPEED-CHANGERS.

SPECIFICATION forming part of Letters Patent No. 753,406, dated March 1, 1904.

Original application filed August 3, 1903, Serial No. 167,973. Divided and this application filed December 9, 1903. Serial No. 184,373. (No model.)

To all whom it may concern:

Be it known that we, ERNEST J. LEES, a citizen of the United States, residing in Warren, Warren county, Pennsylvania, (post-office address Warren, Pennsylvania,) and EDWARD L. AIKEN, residing in East Orange, Essex county, New Jersey, (post-office address No. 643 Springdale avenue, East Orange, New Jersey,) citizens of the United States, have invented certain new and useful Improvements in Hangers for Speed-Changers, of which the following is a specification.

This invention pertains to improvements in hangers for speed-changers, and will be readily understood from the following description, taken in connection with the accompanying drawings, in which—

Figure 1 is a side elevation, Fig. 2 an end elevation, and Fig. 3 a bottom view, of a hanger embodying our invention.

In the drawings, 1 indicates a shaft, and 2 accompanying shaft, the two shafts representing a pair between which motion is to be transmitted at adjustable rate; 3, an expansion-pulley carried by shaft 1; 4, an expansion-pulley carried by shaft 2; 5, a belt engaging the two pulleys; 6, the journal-boxes of the shafts; 7, lever-and-gear mechanism for adjusting the diameters of the expansion-pulleys, the details of which mechanism need not be here explained, as they are not herein claimed; 8, a hanger for each of the journal-boxes; 9, the top flanges of the hangers; 10, side flanges for the hangers, these side flanges being disposed at right angles to the top flanges and serving to form juncture-seats between the two united hangers of a pair, and 11 joint-bolts, shown as engaging the side flanges and uniting together the two hangers of a pair.

The two expansion-pulley devices and their hangers, associated as illustrated in the drawings, constitute a self-contained speed-changing device. This speed device may as a whole be bolted to an overhead support or to a ma-

chine-frame or other object, or, if desired, the two devices may be separated from each other at the joint between the side flanges of the hangers, and each may then be bolted separately to an appropriate support. In thus being bolted to place independently of each other they may be secured by means of either the top flanges 9 or the side flanges 10. If top flanges 9 and side flanges 10 be counterparts of each other as regards their sizes and location of bolt-holes, it is manifest that the side flanges of the hangers of one expansion-pulley device may be bolted to the top flanges of the other one. It is therefore seen that one of these expansion-pulley devices may be used alone quite independent of the existence of the other one or that the pair of them may be used secured directly together in several relationships or that a pair of them may be used separated from each other and secured in varying relationships to each other.

This application is a division of an application filed by us August 3, 1903, Serial No. 167,973.

We claim as our invention—

1. In a hanger for speed-changers, the combination, substantially as set forth, of a shaft, a pair of journal-boxes thereon, and a hanger for each journal-box, each hanger being provided with a pair of attaching-flanges at right angles to each other.

2. In a hanger for speed-changers, the combination, substantially as set forth, of two shafts mounted parallel with each other, an expansion-pulley on each shaft, an independent pair of hangers for each shaft, and means for separably connecting the hangers of one shaft with those of the other shaft.

3. In a hanger for speed-changers, the combination, substantially as set forth, of two shafts mounted parallel with each other, an expansion-pulley on each shaft, an independent pair of hangers for each of said shafts, and attaching-flanges upon said hangers in posi-

tion to permit of the hangers of one shaft being separably bolted to the hangers of the other shaft.

4. In a hanger for speed-changers, the combination, substantially as set forth, of two shafts mounted parallel with each other, an expansion-pulley on each shaft, an independent pair of hangers for each shaft, flanges upon said hangers in position to permit of the hangers of one shaft being separably bolted to the hangers of the other shaft, and flanges

disposed upon said hangers at right angles to the before-mentioned flanges.

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EDWARD L. AIKEN.

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