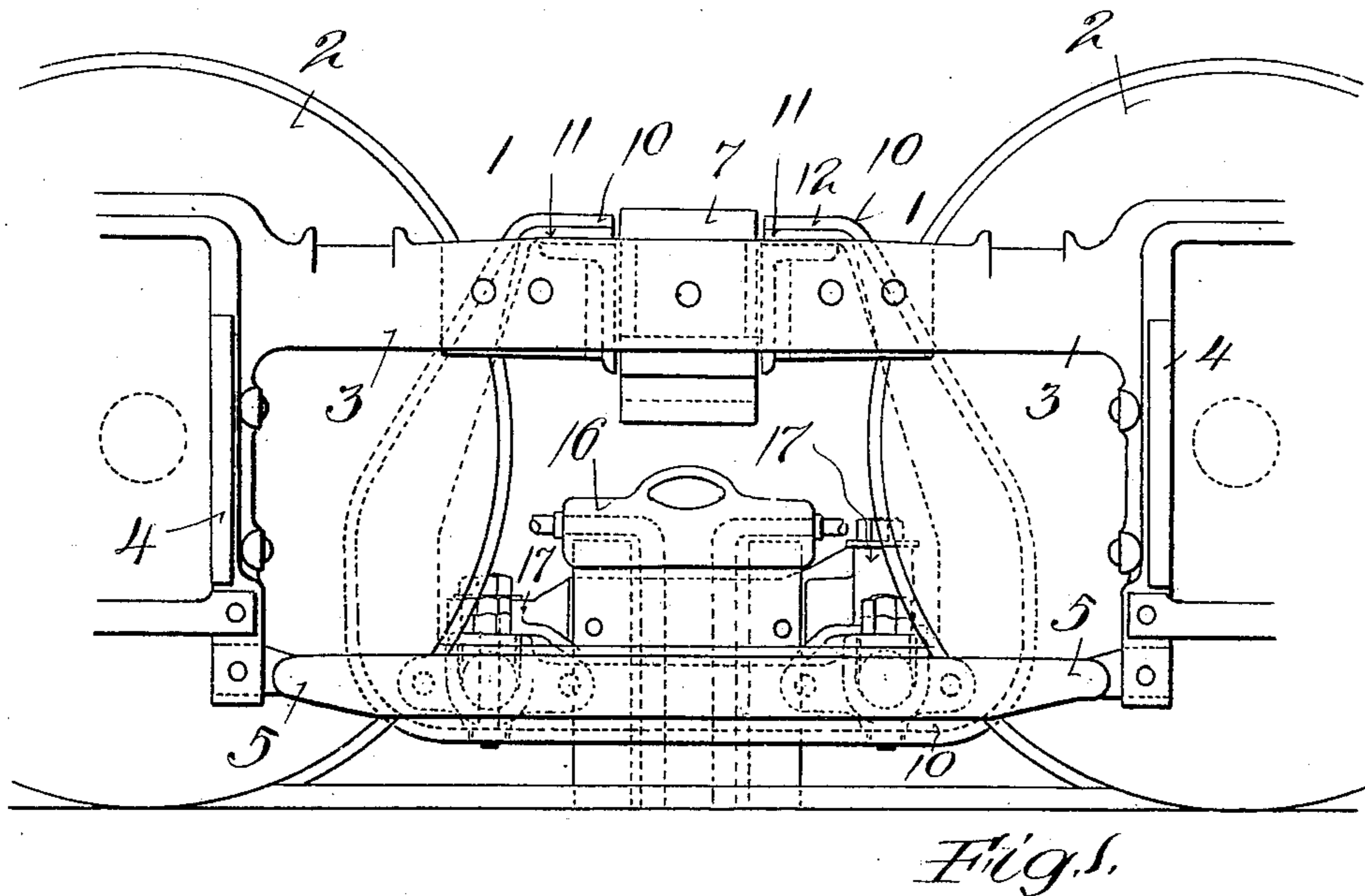
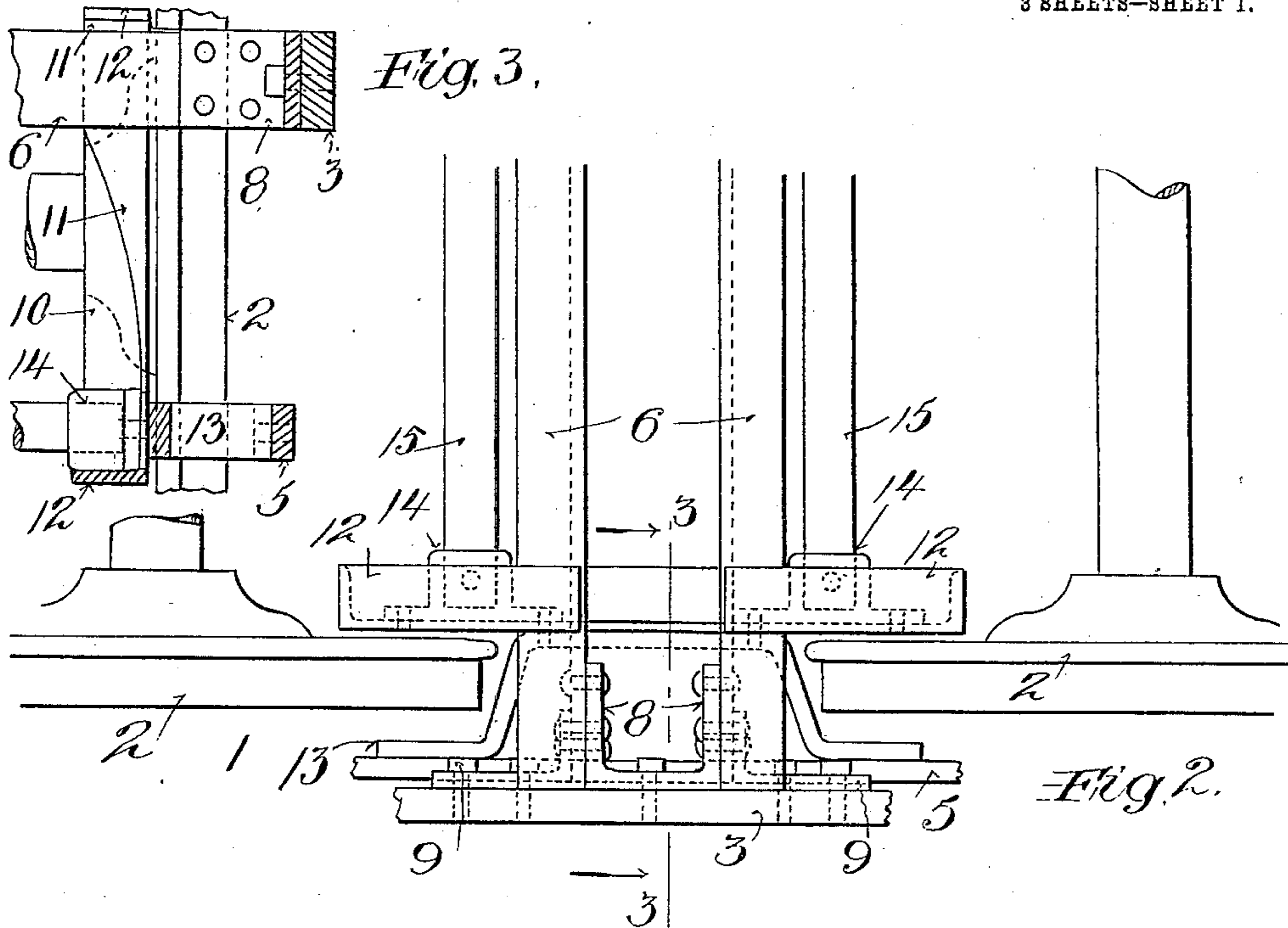


S. T. BOLE.
SUPPORT FOR CONTACT PLOWS.
APPLICATION FILED JUNE 24, 1908.

923,484.

Patented June 1, 1909.

3 SHEETS—SHEET 1.



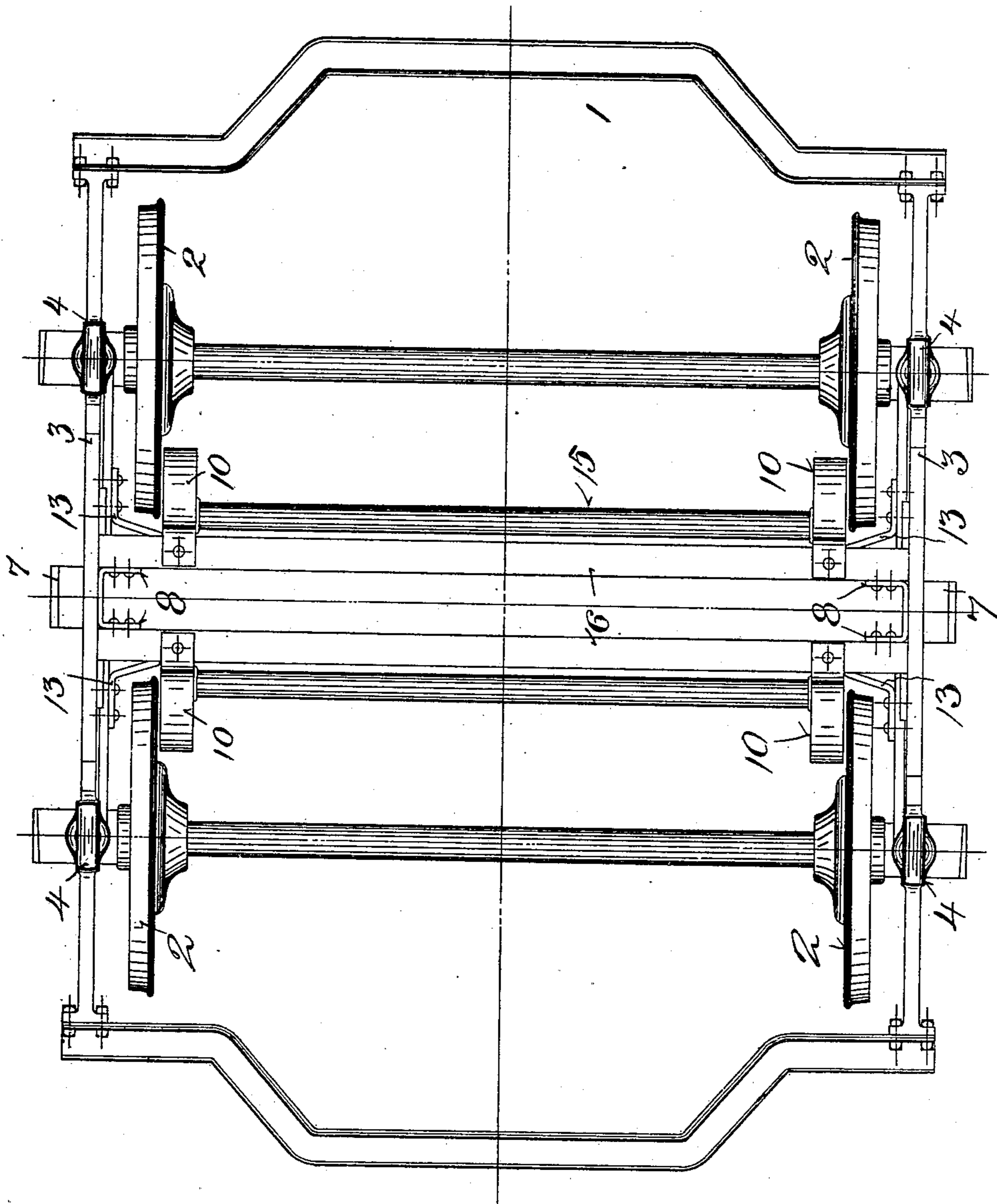
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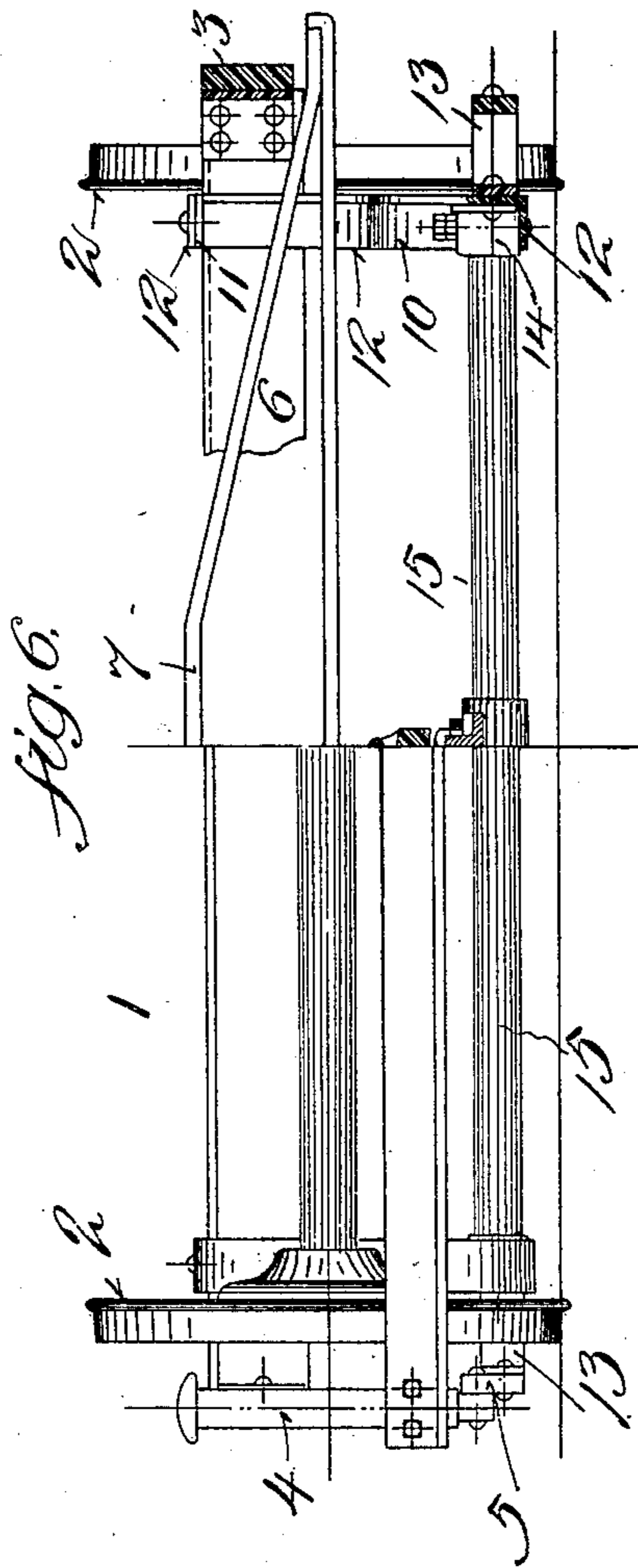
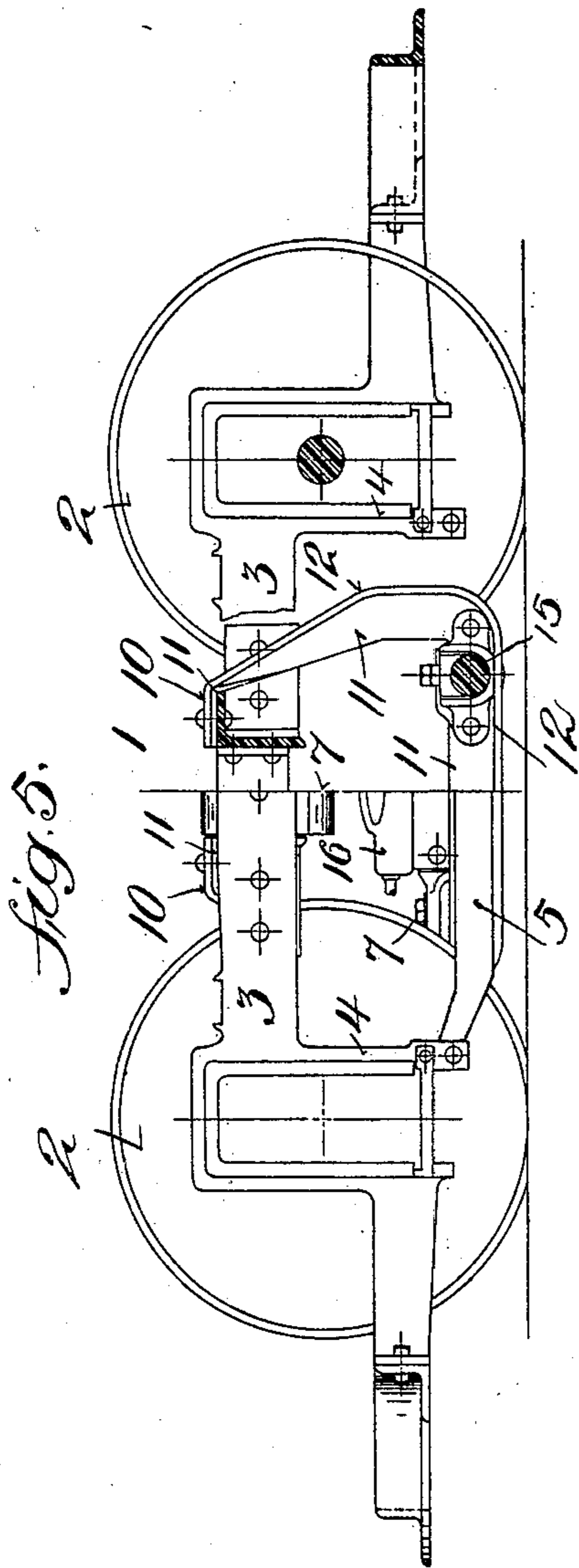
fig. 4.

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3 SHEETS—SHEET 3.



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UNITED STATES PATENT OFFICE.

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SUPPORT FOR CONTACT-PLOWS.

No. 923,484.

Specification of Letters Patent.

Patented June 1, 1909.

Application filed June 24, 1908. Serial No. 440,122.

To all whom it may concern:

Be it known that I, SAMUEL T. BOLE, a citizen of the United States, and a resident of the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Supports for Contact-Plows, of which the following is a specification.

The object of my invention is to provide a support of this class which can be applied to trucks so as not to interfere with the brake or motor mechanism and which will properly support the plow in any desired position as well as immediately under the king bolt. This object is accomplished by my invention, one embodiment of which is described below.

For a more particular description of my invention, reference is to be had to the accompanying drawings forming a part hereof, in which,

Figure 1 is a side elevation of a truck provided with my improvement, parts of the truck being omitted to simplify the drawings. Fig. 2 is a plan view of the same. Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2, looking in the direction of the arrows. Fig. 4 is a plan view of a truck provided with my improvement. Fig. 5 is a side elevation, partly in section, showing the same. Fig. 6 is an end view, partly in section, showing the same.

Throughout the various views of the drawings, similar reference characters designate similar parts.

The truck 1 is provided with wheels 2 which support a side frame having top chords 3, pedestals 4, tie bars 5, transoms 6, bolster 7, and angle metal reinforces 8 and 9, respectively, all of which may be of the conventional form and secured in the conventional manner. As stated above, other essential details of the truck have been omitted for the sake of clearness, although they are obvious details including the brake mechanism, motor supports and bolster supports, all of which may be of any suitable or conventional form, and none of which form any part of this invention.

The transoms 6 are provided near each end and within the wall-base with suitable hangers 10, each hanger consisting of an angle metal bar having its vertical web 11 bent under its horizontal web 12. The hanger 10 rests on and is secured to the transoms 6, the web 11 being twisted under the web 12 for this

purpose. From the transom 6, the hanger 10 is formed so as to pass downwardly and divergently and then vertically and then horizontally so that its lower portion is parallel with the tie bar 5 and the vertical web 11 of the hanger 10 is fixed to said tie bar by means of the bracket 13, which is secured to said tie bar 5 at its ends and has an intermediate portion bent inwardly and convergently to the central portion which is secured to said web 11, so that the hanger 10 and tie bar 5 are rigidly connected by a structure which in no way interferes with the wheels, brakes, or other gear of the truck. Cups 14 are fixed to the horizontal web 12 and the vertical web 11 adjacent to the bracket 13 and these cups 14 have rods 15 rigidly fixed therein which carry the plow 16 by means of suitable supports 17 that are carried from the rods 15 and slide freely thereon, so that the plow 16 is supported at all times under the bolster 7 and ordinarily immediately under the center of said bolster, so that it is disturbed as little as possible when in actual use.

While I have shown and described one embodiment of my invention, it is obvious that it is not restricted thereto, but is co-extensive with the scope of the annexed claims.

What I claim is:—

1. In a device of the class described, top chords connected by transoms, hangers secured to said transoms, pedestals connected to said chords, tie bars connecting said pedestals, bars connecting said hangers, means connecting said hangers and tie bars and means for supporting a plow from said bars.

2. In a device of the class described, top chords connected by transoms, hangers supported by said transoms, bars connecting said hangers and means for supporting a plow from said bars.

3. In a device of the class described, the combination of top chords, pedestals connected to said chords, and tie bars connecting the pedestals, with transoms uniting the top chords, hangers supported by the transoms, brackets connecting the hangers and tie bars, and means for supporting a plow from said hangers.

4. In a device of the class described, top chords and transoms uniting the same, angle metal hangers supported by the said transoms, said hangers being each provided with two webs, one of which is bent under the

other where said hanger is connected with said transoms, bars connecting said hangers, and means for supporting a plow from said bars.

- 5 5. In a device of the class described, top
chords connected by transoms, hangers supported from the transoms, pedestals connected to the chords, tie bars connecting the pedestals, means connecting the hangers,
10 independent means connecting the hangers

and tie bars, and freely slidable means for supporting a plow from the means connecting the hangers.

Signed at New York city, this 23rd day of June, 1908.

SAMUEL T. BOLE.

Witnesses:

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HARRY RADZINSKY.