

No. 669,399.

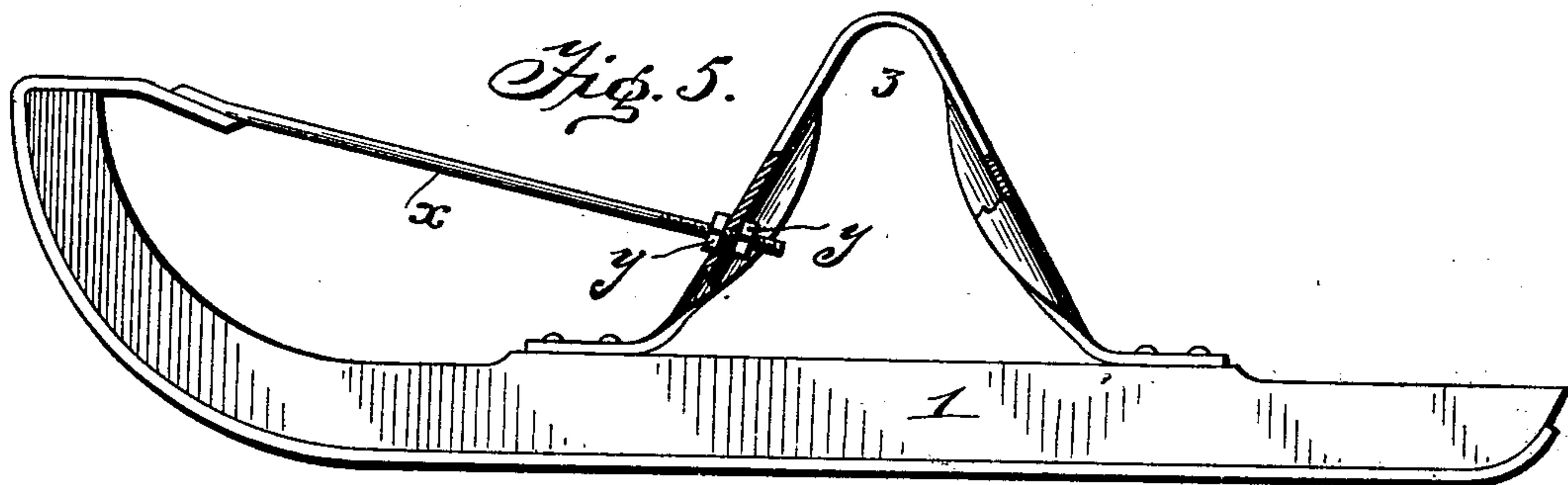
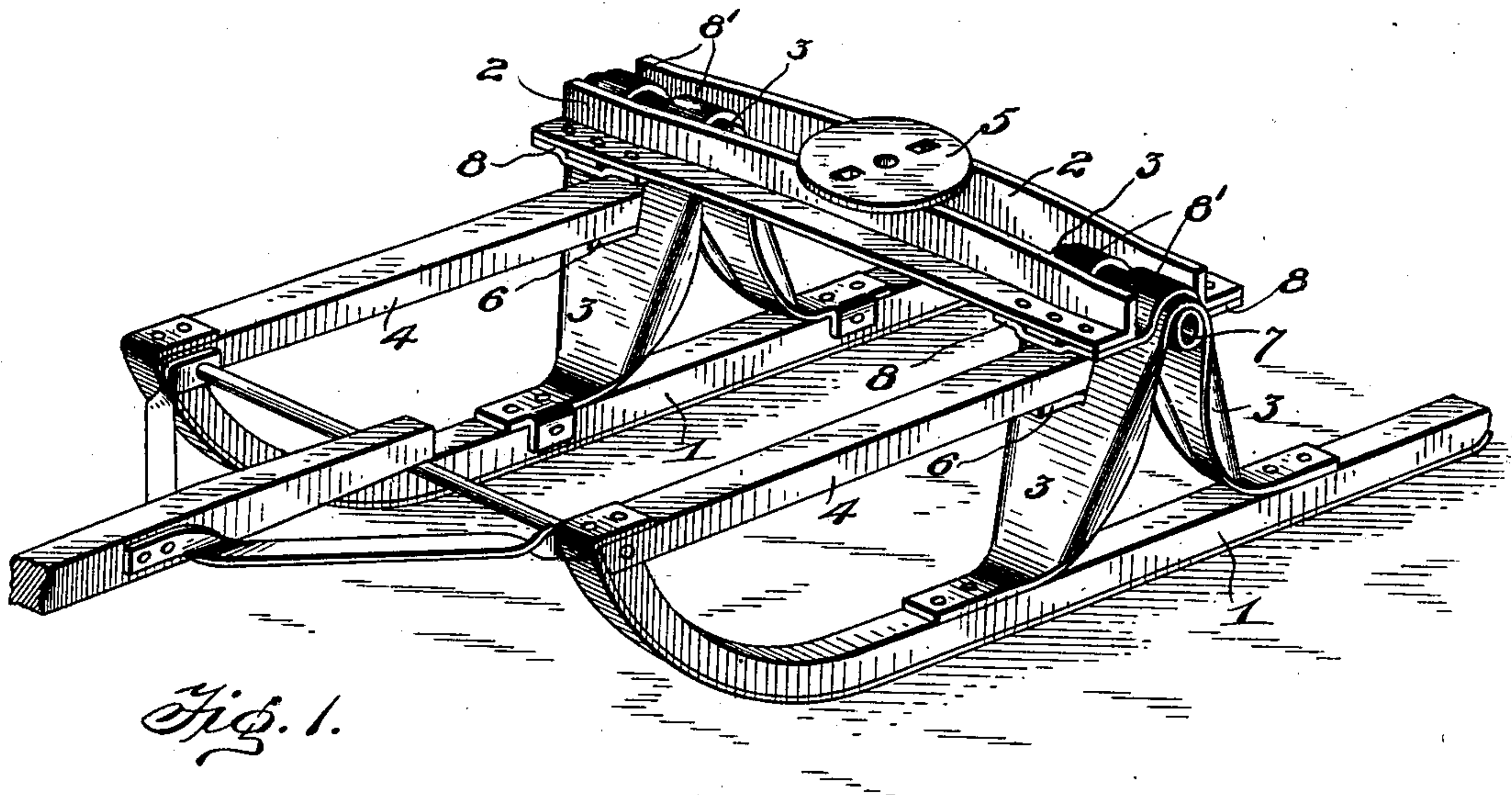
Patented Mar. 5, 1901.

L. RODEMEYER.
BOB SLED.

(Application filed Dec. 20, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses
J. H. Greubner Jr. By *A. B. Wilson & Co.*
J. H. Greubner Jr. *A. B. Wilson & Co.*
Inventor
Attorneys

No. 669,399,

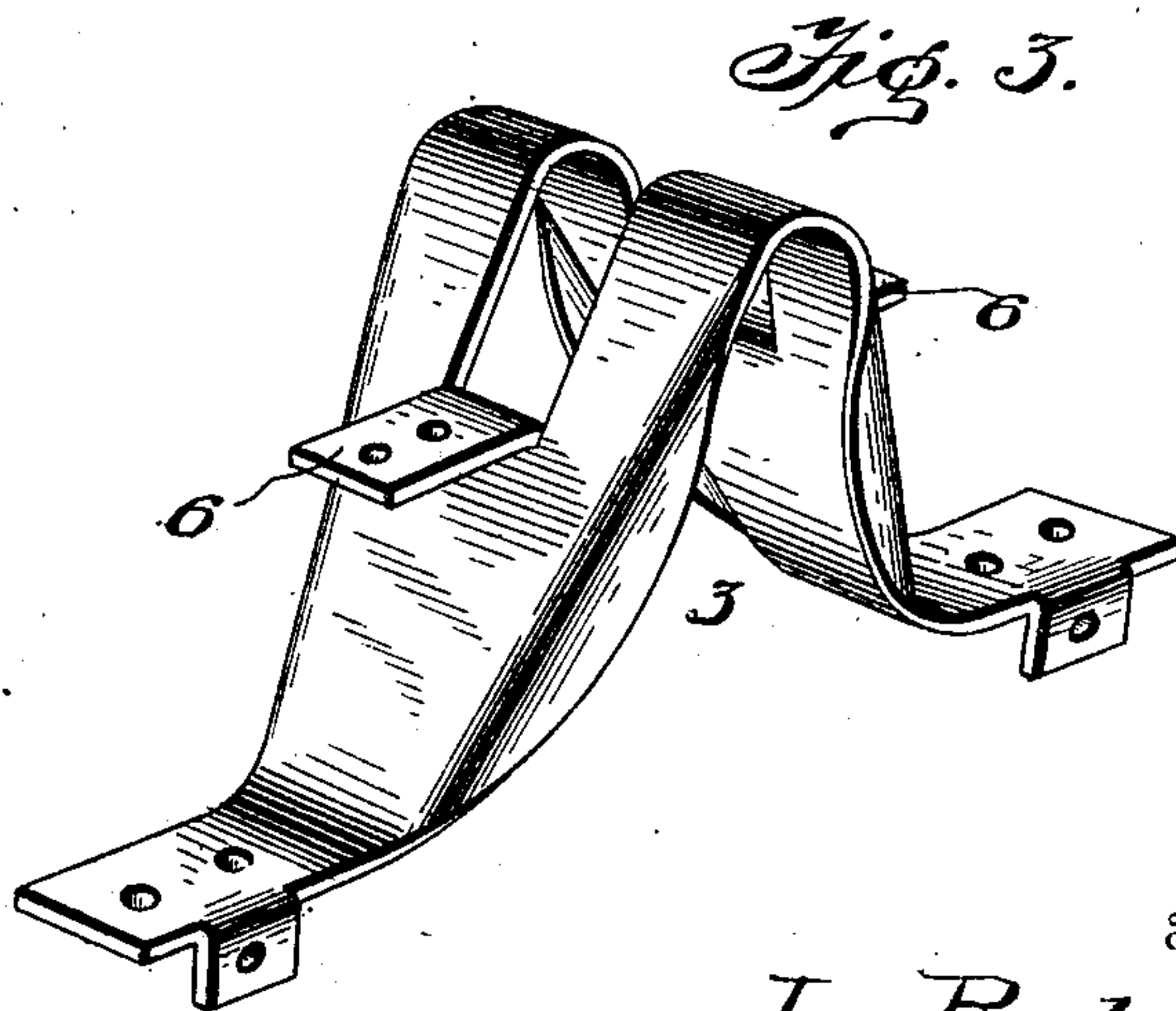
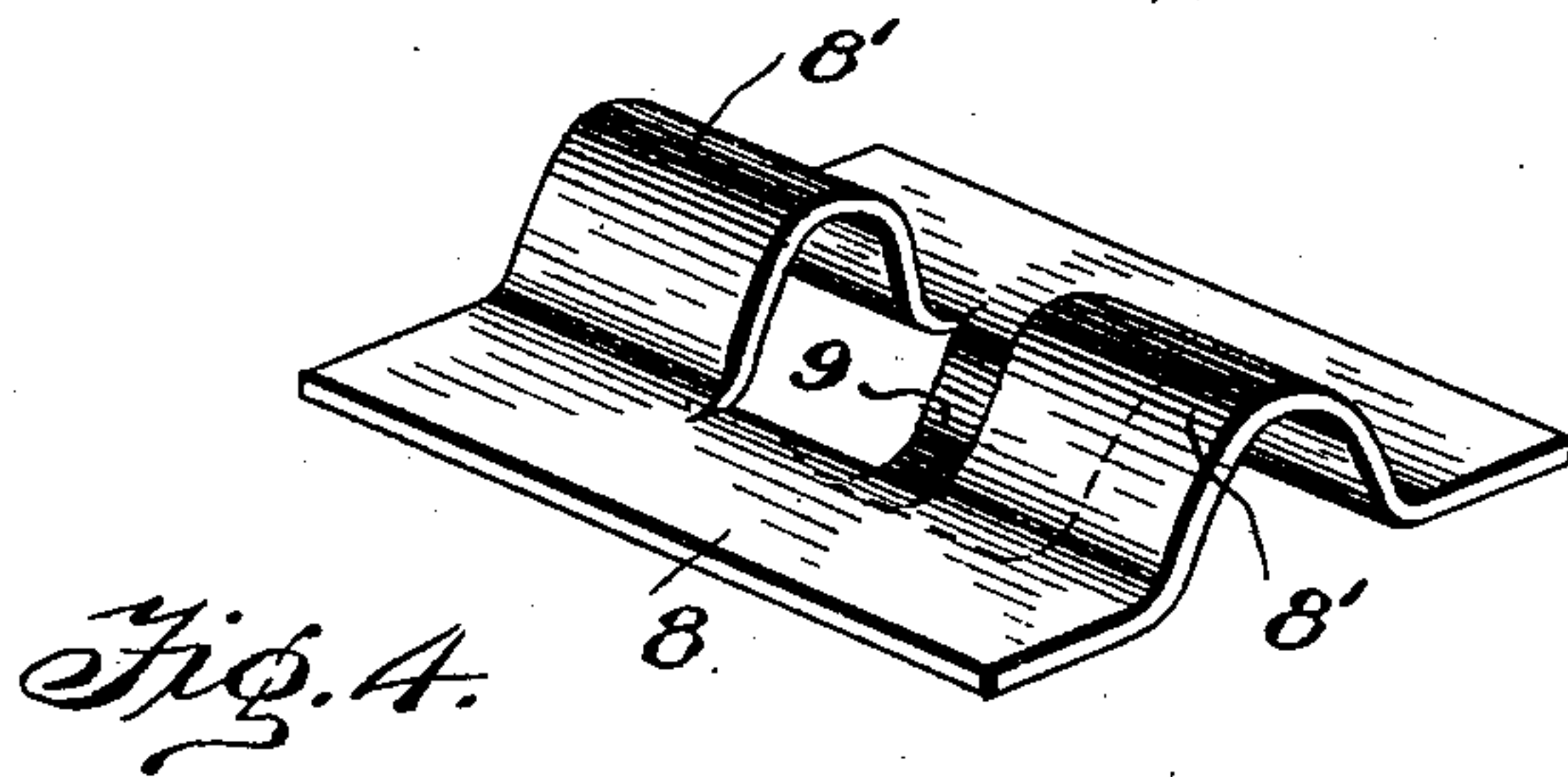
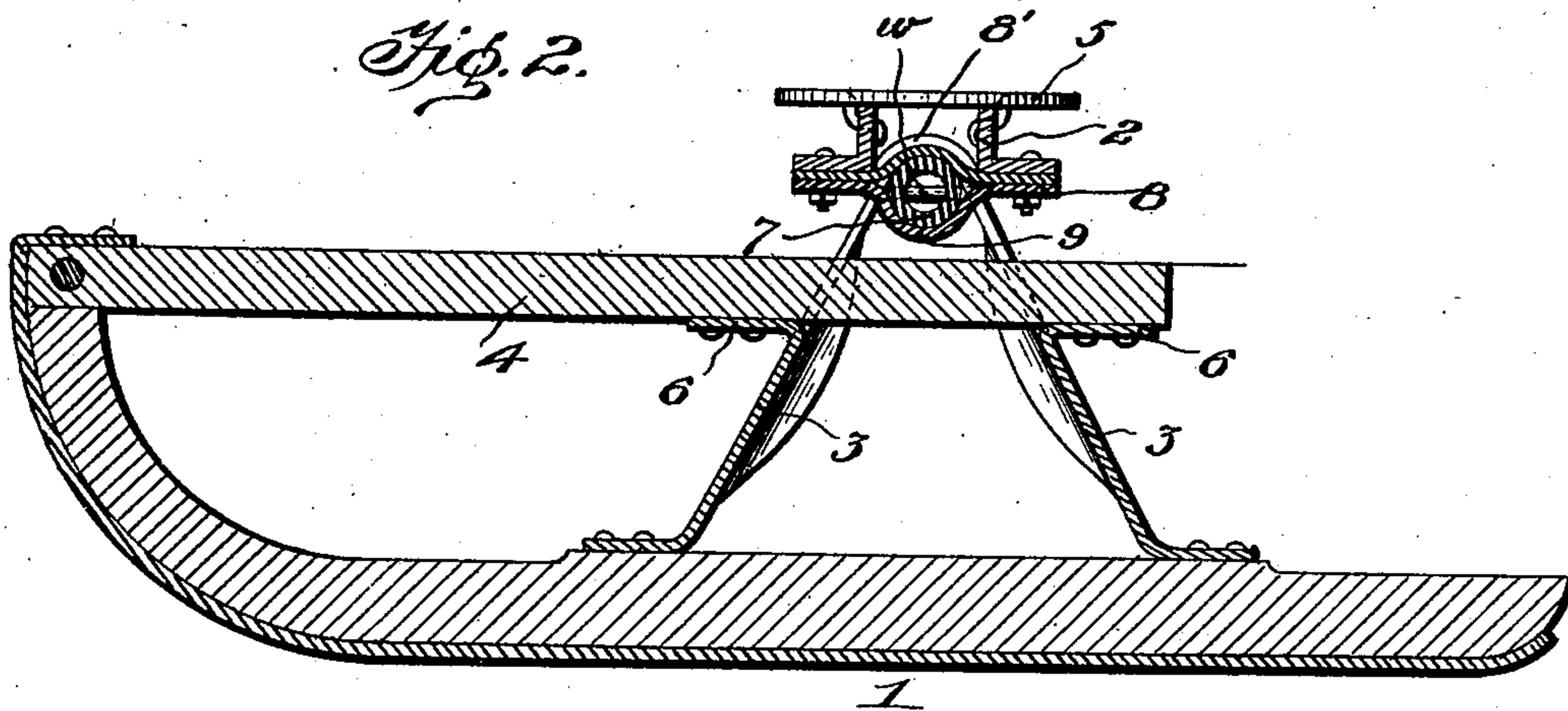
Patented Mar. 5, 1901.

L. RODEMEYER.
BOB SLED.

(Application filed Dec. 20, 1900.)

(No Model.)

2 Sheets—Sheet 2.



Witnesses
J. A. Griesbauer Jr.
Paulson

Inventor
L. Rodemeyer
By *A. B. Wilson & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

LOUIE RODEMEYER, OF LATIMER, IOWA.

BOB-SLED.

SPECIFICATION forming part of Letters Patent No. 669,399, dated March 5, 1901.

Application filed December 20, 1900. Serial No. 40,553. (No model.)

To all whom it may concern:

Be it known that I, LOUIE RODEMEYER, a citizen of the United States, residing at Latimer, in the county of Franklin and State of Iowa, have invented certain new and useful Improvements in Bob-Sleds; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to bob-sleds.

The object of the invention is to provide a simple, durable, and comparatively inexpensive sled of this character which will have a free easy rocking oscillatory movement, thereby allowing the runners to accommodate themselves to ruts and obstructions in the road without jarring the sled-body.

With this and other minor objects in view the invention consists in certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of a bob-sled, illustrating my invention. Fig. 2 is a longitudinal vertical sectional view through one of the runners, the bolster, the knee, the journal, and the knee-cap. Fig. 3 is a detail perspective view of one of the knees removed. Fig. 4 is a similar view of one of the knee-caps. Fig. 5 is a view of a modified form of knee, showing it in position secured to a runner.

Referring now more particularly to the drawings, the numeral 1 denotes the sled-runner; 2, the bolster-bearer; 3, the knee, and 4 the rave. The bolster-bearer is shown in the present instance as consisting of a trussed angle-iron frame provided with a member 5 of a turn-table, which supports and upon which the bolster turns. The knee is preferably stamped from a single piece of metal and is formed at its bight with registering slots, which is done by slitting the material and by bending this material outwardly. Supporting-lips 6 are provided and are intended to receive the inner end of the rave, to which they are bolted. 7 denotes a journal which may be in the form of a rod or of a tube, and this journal is connected to the bolster by a knee-cap 8, which is bolted or otherwise se-

cured to the under side of the bolster-bearer and is provided with a saddle-piece 9, which embraces the journal. The parts 8' of the knee-cap are curved and snugly fit the bight of the knees and form a rocking or oscillatory joint, thus permitting the runners to rock or oscillate independently of each other and of the bolster-bearer, thereby preventing sudden jars or tilting of the sled-body which is to be supported upon the bolster.

In the construction shown in Fig. 5 the runner illustrated is constructed without a rave, and in order to secure the desired rigidity between the runner and the knee I employ a brace-rod x , which is connected to the shoe of the runner at its front end and extends through the knee and is provided with tightening-nuts y . The journal is held in place by pins w , which may be easily withdrawn to permit of the separation of the runner and its knee from the bolster-bearer.

From the foregoing description, taken in connection with the accompanying drawings, the construction and mode of operation of my improved bob-sled will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and minor details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a bob-sled, the combination of a runner, a knee provided with a bight, of a bolster-bearer provided with a knee-cap which is adapted to engage the bight of the knee and also provided with a saddle-piece, and a journal extending through said saddle-piece between said saddle-piece, the knee-cap and the bight of the knee, thus forming a rocking joint, substantially as set forth.

2. The combination, with a sled-runner and its rave, of a knee stamped from a piece of metal and formed with a bight which is provided with vertical aligned slots and with lips, said rave projecting through said slots and secured to said lips, substantially as set forth.

3. As an article of manufacture, a sled-knee stamped out of a single piece of sheet metal

substantially an inverted-V shape in form and provided with vertical alined slots and laterally-projecting lips, substantially as set forth.

- 5 4. The combination, with a runner and a knee stamped out of a single piece of metal of substantially an inverted-V shape and formed with vertical alined slots and with horizontally-disposed lips, resulting from the
10 formation of said slots, and a rave secured to said runner and extending through said slots

and fastened to said lips, of a bolster-bearer provided with a knee-cap, and a journal forming a tie between the bolster-bearer and knee, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LOUIE RODEMEYER.

Witnesses:

LOUIS H. DOHRMANN,
CHAS. F. BARRETT.