

No. 676,983.

Patented June 25, 1901.

B. GOLDSMITH.
SLAT WIPER FOR CONVEYERS.

(Application filed Feb. 26, 1901.)

(No Model.)

Fig. 1.

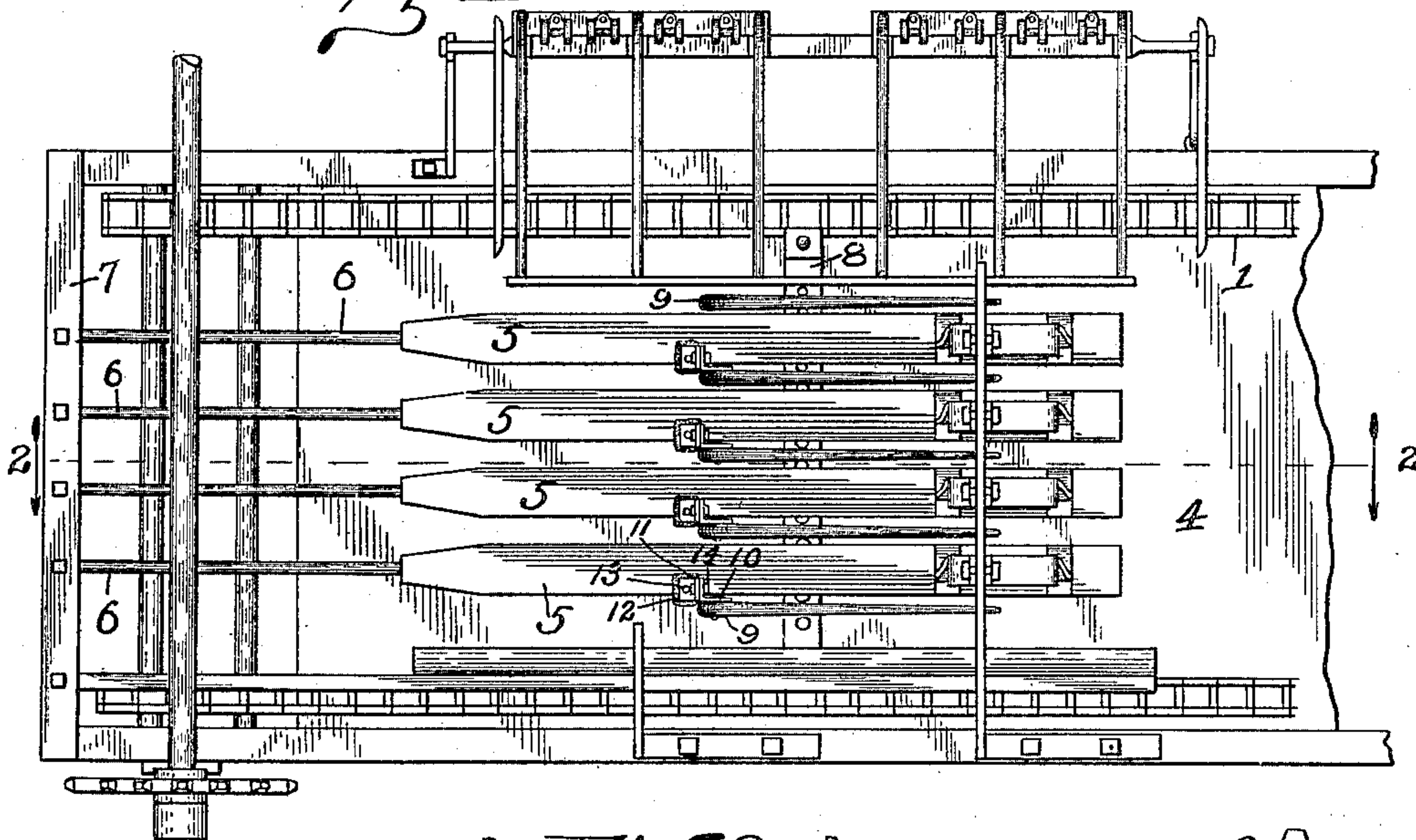


Fig. 2.

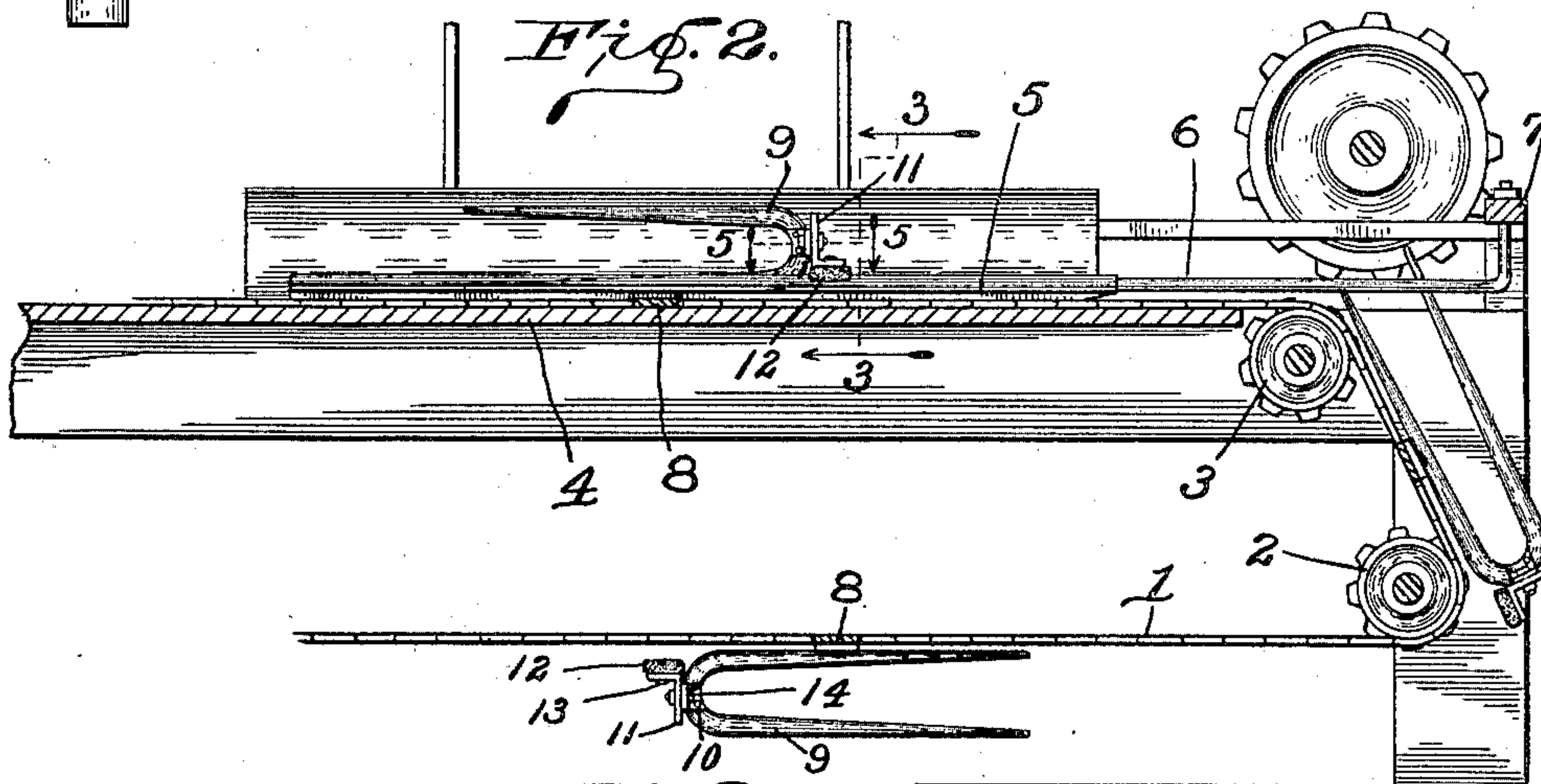


Fig. 5.

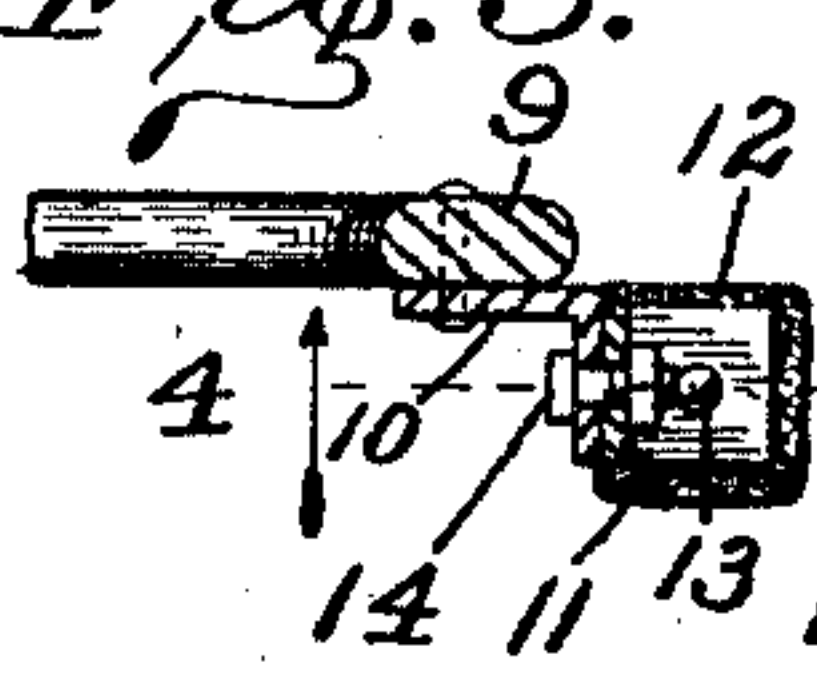


Fig. 3.

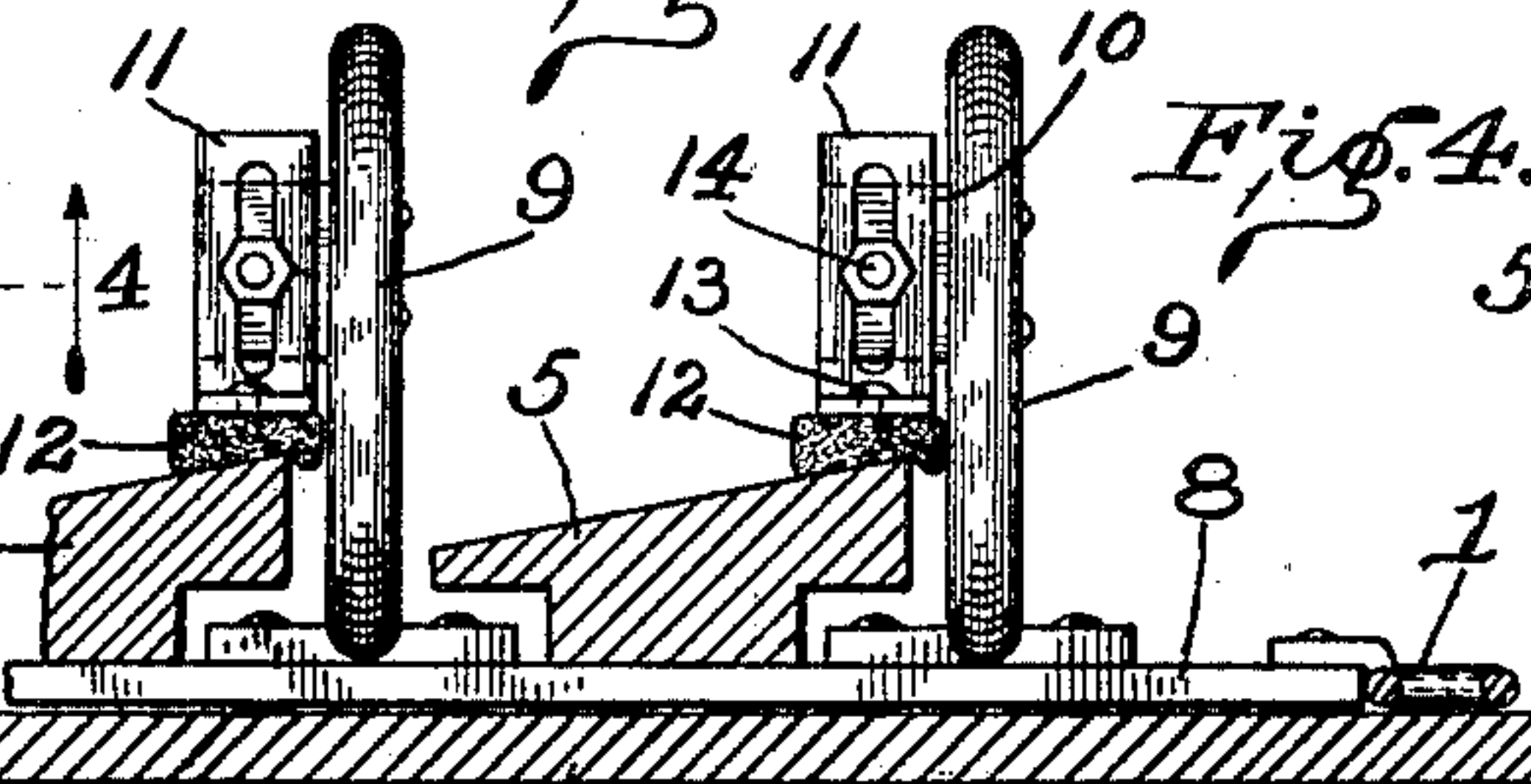
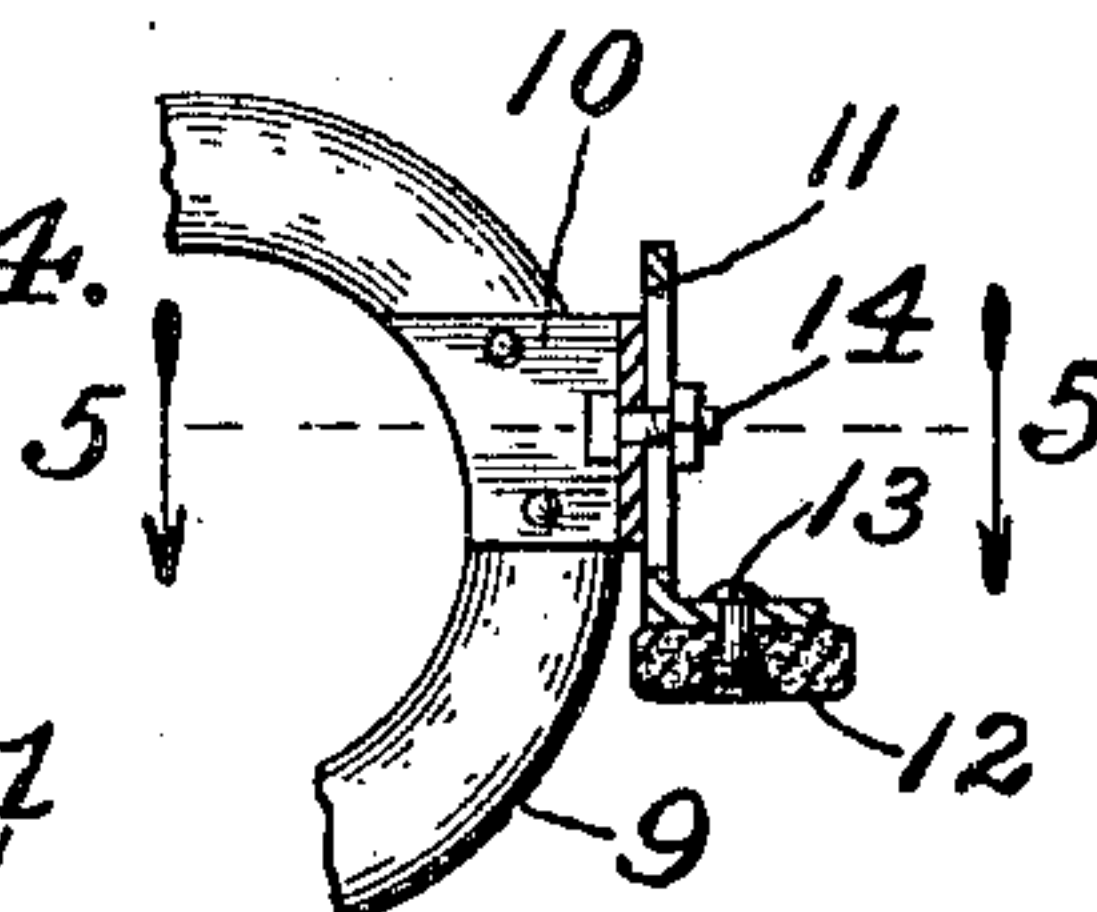


Fig. 4.



WITNESSES:

C. S. Frye.
J. A. Walsh.

INVENTOR

Berthold Goldsmith,

BY

Leicester Bradford,
ATTORNEY

UNITED STATES PATENT OFFICE.

BERTHOLD GOLDSMITH, OF ELWOOD, INDIANA, ASSIGNOR TO THE AMERICAN
TIN PLATE COMPANY, OF SAME PLACE AND NEW YORK, N. Y.

SLAT-WIPER FOR CONVEYERS.

SPECIFICATION forming part of Letters Patent No. 676,983, dated June 25, 1901.

Application filed February 26, 1901. Serial No. 48,946. (No model.)

To all whom it may concern:

Be it known that I, BERTHOLD GOLDSMITH, a citizen of the United States, residing at Elwood, in the county of Madison and State of Indiana, have invented certain new and useful Improvements in Slat-Wipers for Conveyers, of which the following is a specification.

My invention is especially designed for use with the conveyers or carrying-off tables upon which tinned sheets are deposited as they come from the tinning-machine.

In the operation of tinning and branning plates they are delivered from the tinning-machines onto a slatted table or conveyer and thence conveyed into the branning-machine proper. During this operation grease or oil from the oil-pot of the tinning-machine is deposited upon the slats of the carrier at points where the plates rest thereon.

The object of my said invention is to provide suitable wipers, attached to the fingers of the carrier, which will remove this grease as it is deposited, thus preventing succeeding sheets from becoming fouled with cold grease, which is difficult to remove in the subsequent operation of cleaning. This object is accomplished by the means which will be hereinafter more particularly described and claimed.

Referring to the accompanying drawings, which are made a part hereof, and on which similar reference characters indicate similar parts, Figure 1 is a top or plan view of a portion of a carrying-off table or conveyer, the carrier fingers or hooks of which are provided with wipers constructed and arranged in accordance with my said invention; Fig. 2, a vertical sectional view thereof, taken at the dotted line 2 2 in Fig. 1, but seen as when the ends of the machine are reversed; Fig. 3, a transverse sectional view through the machine, on an enlarged scale, as seen when looking in the direction indicated by the arrows from the dotted line 3 3 in Fig. 2, showing the wiper in elevation; Fig. 4, a detail sectional view through one of the wipers as seen when looking in the direction indicated by the arrows from the dotted line 4 4 in Fig. 5, and Fig. 5 a horizontal sectional view through one of the wipers as seen when looking in the direction indicated by the arrows from the dotted line 5 5 in Fig. 4.

The carrying-off table to which my invention is applied is shown and described in the application, Serial No. 33,989, of Charles W. Bennett, filed October 22, 1900, and as the same, generally speaking, is not the subject-matter of my present invention, it will not be described in detail, but only incidentally in describing said invention. As in the said Bennett application, the chain 1 of the carrier-belt runs over sprocket-wheels or pulleys 2 and 3 and thence over the floor 4 of the table. Just above the table are the slats 5, which are carried by the rods 6 from a cross-bar 7, forming part of the frame of the machine. Cross-bars 8, connecting the carrier-chains 1, pass between the floor 4 of the table and the slats 5, and upon said cross-bars 8 are the hooks or fingers 9, by which the tinned sheets are drawn along the carrying-off table or conveyer. Secured to the sides of these hooks or fingers are brackets 10, to which are secured angle-pieces 11, having outturned feet thereon, and to these feet pieces of wiping fabric 12 are secured, as shown, as by bolts 13. These angle-pieces are slotted and are secured to the brackets 10 by bolts 14, and by this means they are adjustable up and down, as may be desired. When properly adjusted, the wiping fabric 12 rests upon the slats 5 at the points where the tinned sheets come in contact therewith, so that as the conveyer-chains, with their bars and fingers, pass along these slats at the bearing-points are wiped each time fingers pass, with the result that the slats are kept clean and the tinned sheets prevented from being fouled, as above stated.

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

1. The combination, with the carrying-off table for a tinning-machine provided with slats for receiving the tinned plates, of a suitable carrier for said plates, and wipers secured to the carrier and adapted to come in contact with the slats and thus remove grease and foulness therefrom, whereby the sheets or plates passing over the table are prevented from being fouled, substantially as set forth.

2. The combination of a carrying-off table embodying suitable slats, carriers by which

the articles are moved over said slats, and adjustable wipers secured to said carriers, substantially as and for the purposes set forth.

3. The combination, of a carrying-off table
5 for tinning-machines having slats between which the carriers which receive the tinned plates pass, said carriers embodying hooks or fingers extending up between said slats, brackets secured to the sides of said hooks
10 or fingers, and wipers adjustably secured to said brackets above and adapted to come in contact with said slats.

4. The combination, in a carrying-off table for tinning-machines having slats to receive
15 the tinned plates, of traveling carriers the cross-bars whereof pass below said slats, hooks

or fingers extending up from said cross-bars to above said slats to catch and carry the plates, and wipers secured to said hooks or fingers and arranged to pass over and come
20 in contact with said slats, whereby grease and foulness which may accumulate thereon is removed and the plates passing over the table prevented from being fouled, substantially
25 as set forth.

In witness whereof I have hereunto set my hand and seal, at Elwood, Indiana, this 19th day of February, A. D. 1901.

BERTHOLD GOLDSMITH. [L. S.]

Witnesses:

H. K. BAKER,

ARTHUR M. WYLIE.