

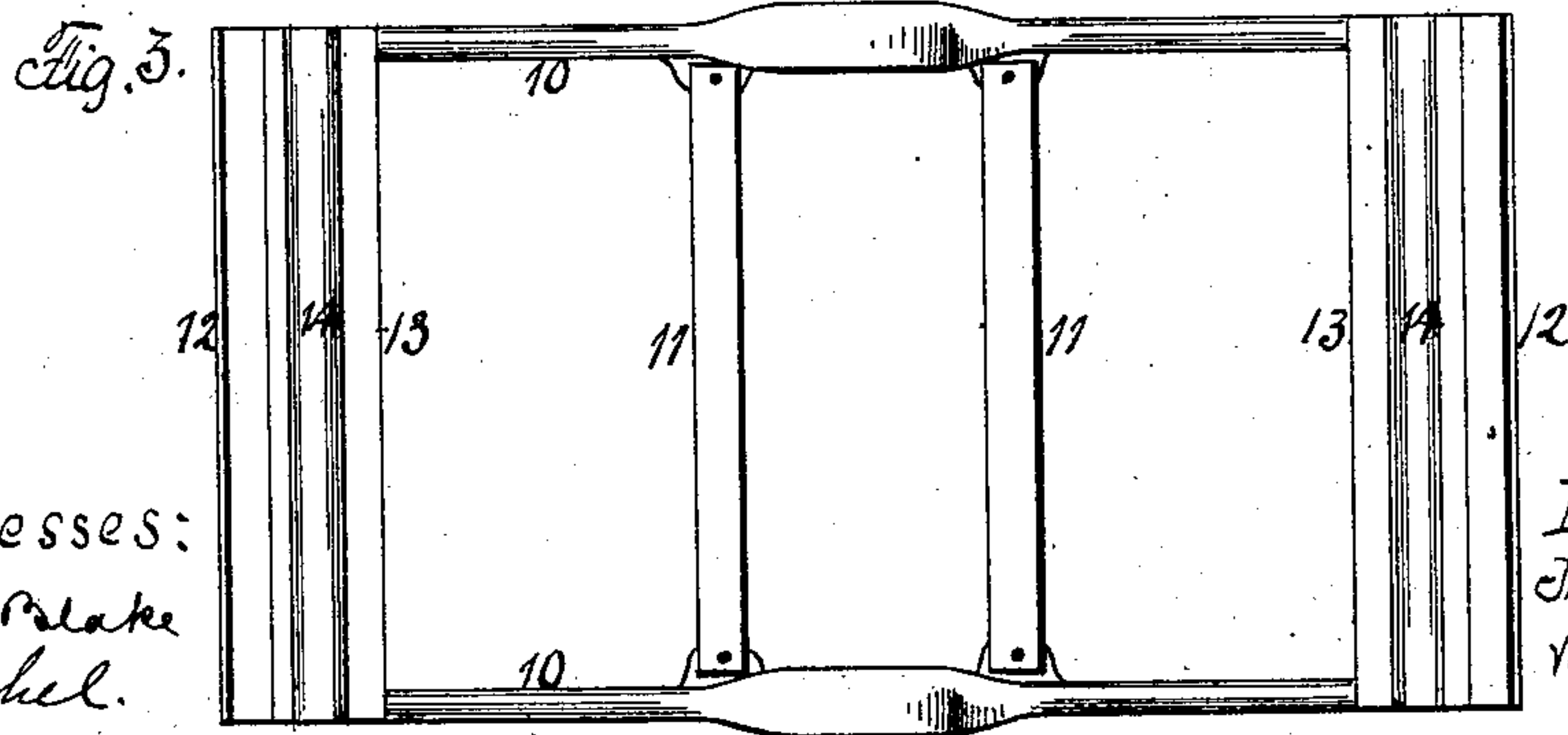
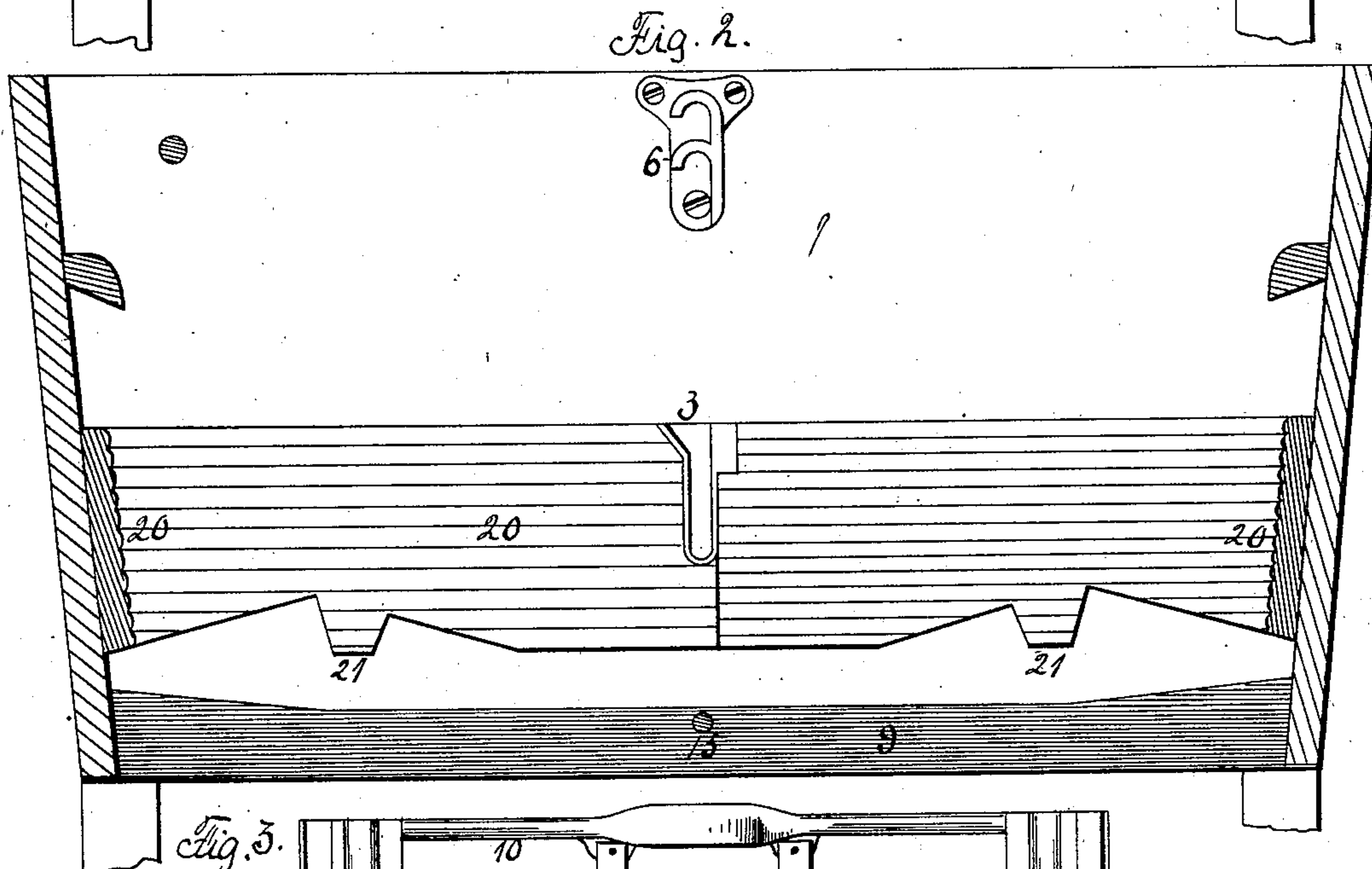
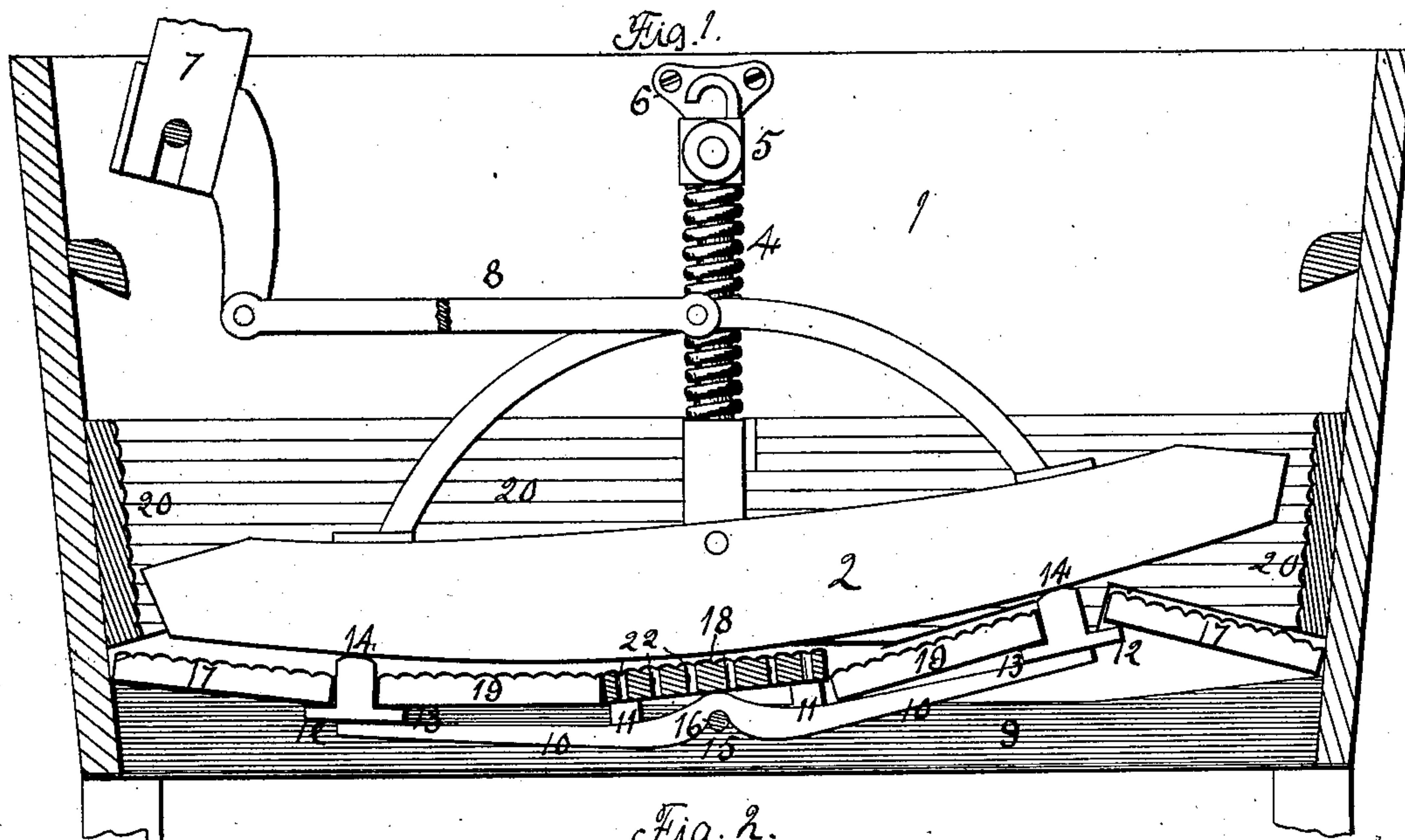
No. 608,557.

Patented Aug. 2, 1898.

T. V. NORRIS.
WASHING MACHINE.

(Application filed Feb. 18, 1898.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

THOMAS V. NORRIS, OF ROCKFORD, ILLINOIS, ASSIGNOR OF ONE-HALF TO
CHARLES T. OLANDER, OF SAME PLACE.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 608,557, dated August 2, 1898.

Application filed February 18, 1898. Serial No. 670,789. (No model.)

To all whom it may concern:

Be it known that I, THOMAS V. NORRIS, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification.

This invention relates to a class of washing-machines in which a rubber is supported at about the center of its length in a yielding manner and operated by a pivoted handle.

In the accompanying drawings, Figure 1 is a vertical lengthwise section showing the false bottom and rubber in working position. Fig. 2 is a similar view in which the false bottom and rubber have been removed. Fig. 3 is a plan view of the rocker-frame.

The washing-machine shown in the accompanying drawings, with the exception of the false bottom and rocker-frame, is the same as shown, described, and claimed in an application filed by me December 30, 1897, Serial No. 664,791, said construction of washing-machine consisting of a body portion 1, rocker 2, movable in vertical guideways 3, spiral springs 4, forming a connection between the rocker and a cross-bar 5, adjustably supported by the rack 6, and an operating-lever 7, having links 8, connecting it with the rubber 2, by means of which the rocker is rocked. Side bars 9 are located one on each side of the body portion and extend some distance above the bottom of the body portion. A rod 15 extends transversely of the body portion near the upper edges of the side bars.

A rocker-frame composed of the two side rods 10, connected at their center portion by the cross-bars 11, and their outer ends connected by supports composed of the flat portions 12 and 13 and a vertical projection 14, is supported by the rods 15, located in recesses 16, formed in the under face of the side rods 10. A false bottom is composed of the two outside sections 17, center section 18, and intermediate sections 19, which are located over the side bars 9. The outer edges of the outside sections 17 rest on the side bars, their inner edges resting on the flat portions 12 of the rocker-frame. The inner edges of the intermediate sections 19 rest on the side bars

and their outer edges rest on the flat portions 13 of the rocker-frame, and the center section is supported by the transverse bars 11 of the rocker-frame, as shown at Fig. 1. When the rocker is rocked into the position shown at Fig. 1, the sections of the false bottom at the left-hand end of the machine conform to the surface of the side bars, while the sections of the false bottom at the right-hand end of the machine are raised by the action of the rocker on the left-hand end of the rocker-frame. The reverse position of these sections will occur when the rocker is rocked in the opposite direction. When the clothes to be washed are placed on the false bottom under the rocker, they will be alternately raised and depressed as the false bottom is raised and depressed by the action of the rocker. This movement is imparted to the rocker pressing upon the clothes and the clothes pressing upon the vertical projection 14 of the rocker-frame extending upward between the outside and intermediate sections. The center section will be rocked, as it is supported by the transverse bars 11 of the rocker-frame.

The lower section of the body portion has a lining of fluted strips 20, under which the sections of the false bottom are placed. The side strips have recesses formed in their lower edge to permit the rocking movements of the sections and have projections 21 located between the outside and intermediate sections of the false bottom in order that they may be held from floating away when there are no clothes in the washer.

The center section 18 of the false bottom is shown in transverse section in order that the vertical perforations 22 may be seen, and it is understood that all of the sections are perforated in a similar manner, and through these perforations the water passes after being forced through the clothes as the rubber is rocked.

I claim as my invention—

1. In a washing-machine, the combination of a body portion, a false bottom composed of sections, a rocker-frame located below the sections, a pivoted rocker located over the false bottom imparting a rocking movement to the rocker-frame and through it to the

sections, and side strips located over the sections provided with projections located between two of the sections.

2. In a washing-machine, the combination
5 of a body portion, a false bottom composed of sections, a rocker-frame located below the sections consisting of two side rods and connecting end bars, one edge of each of four sections supported by the end bars of the

rocking frame, and a rocker located over the sections by the rocking movement of which a rocking movement is imparted to the rocker-frame and through it to the sections. 10

THOMAS V. NORRIS.

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