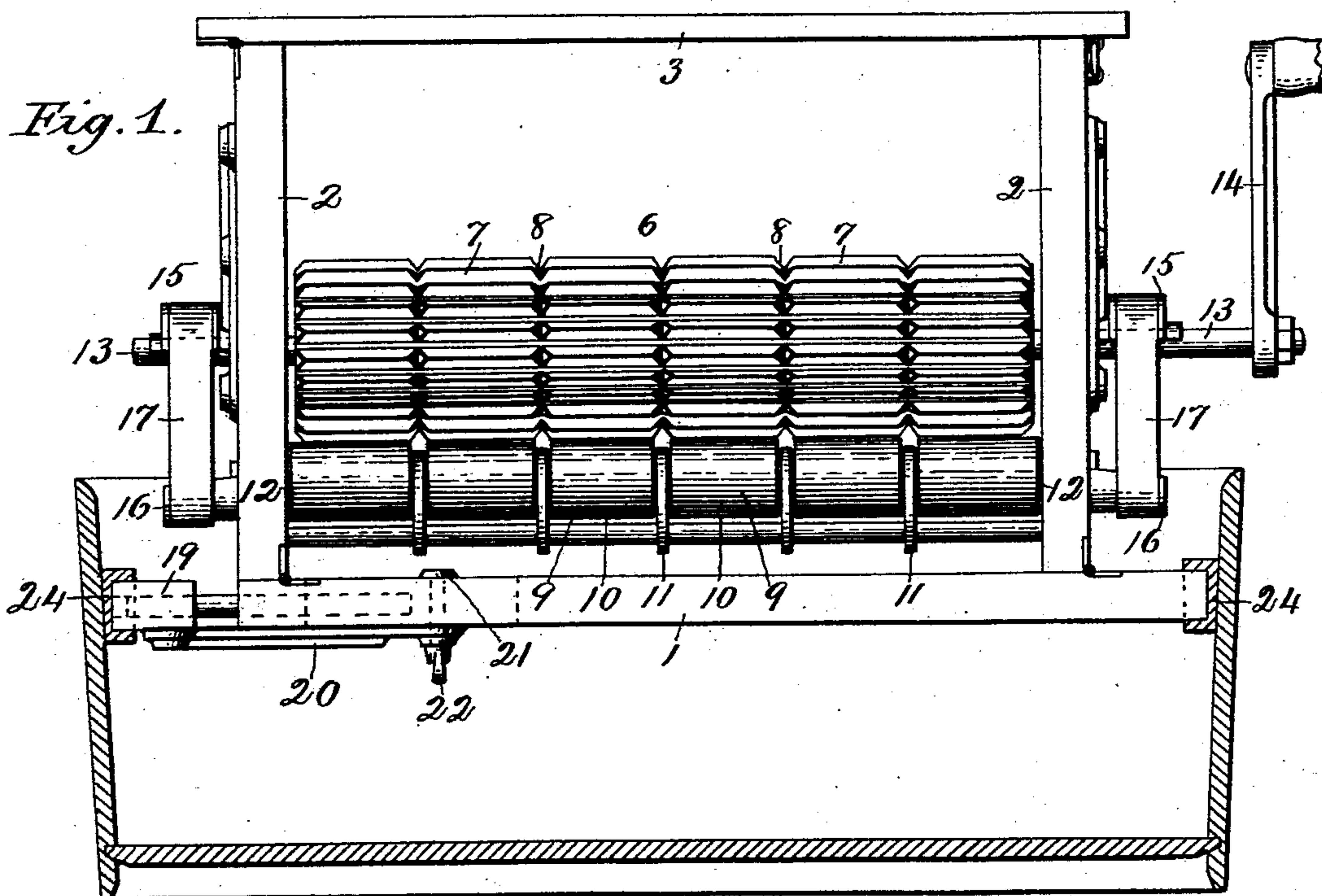


(No Model.)

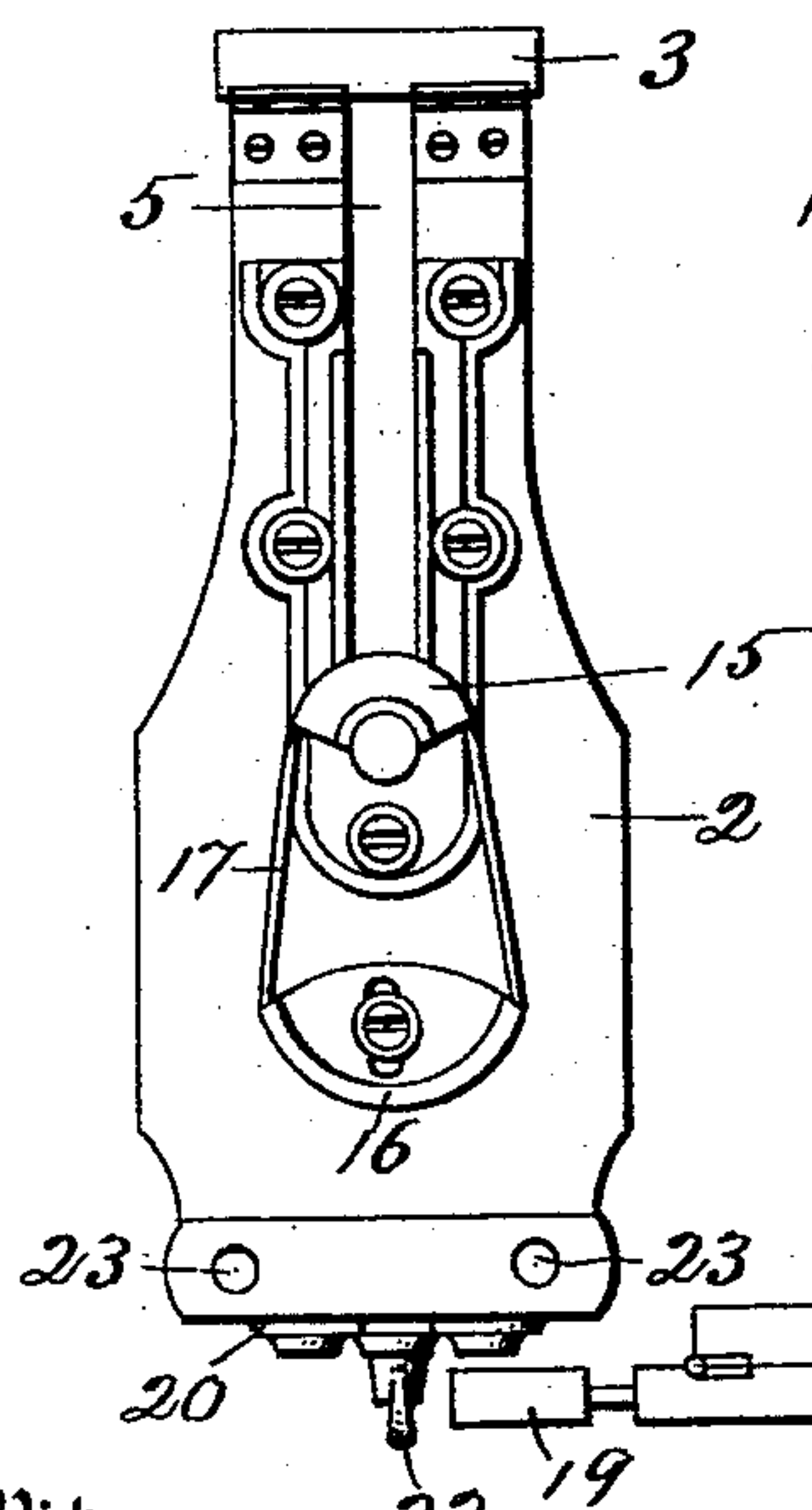
J. H. STEWART.  
WASHING MACHINE.

No. 569,141.

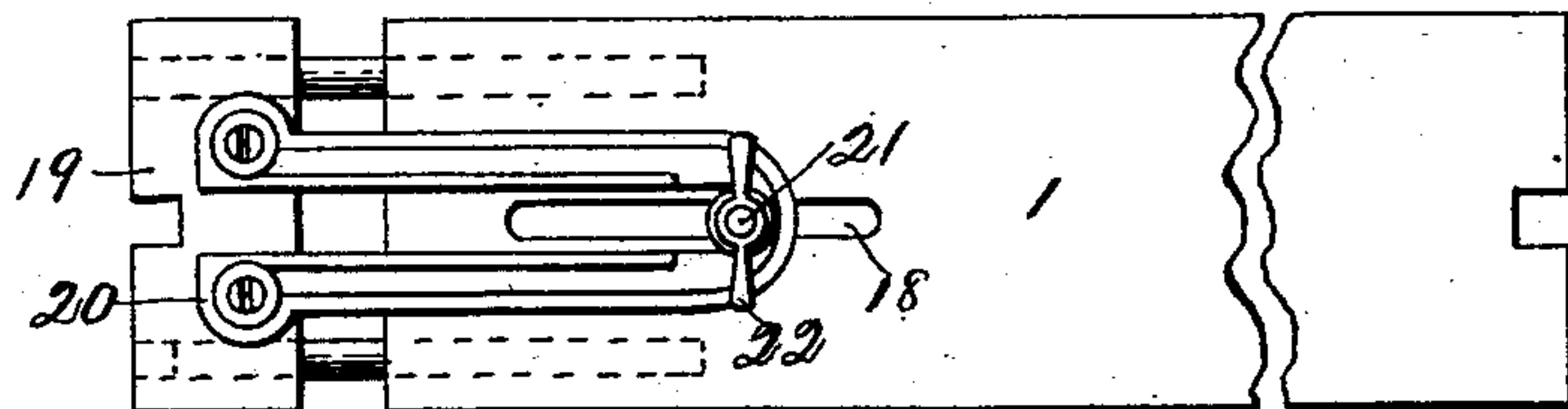
Patented Oct. 6, 1896.



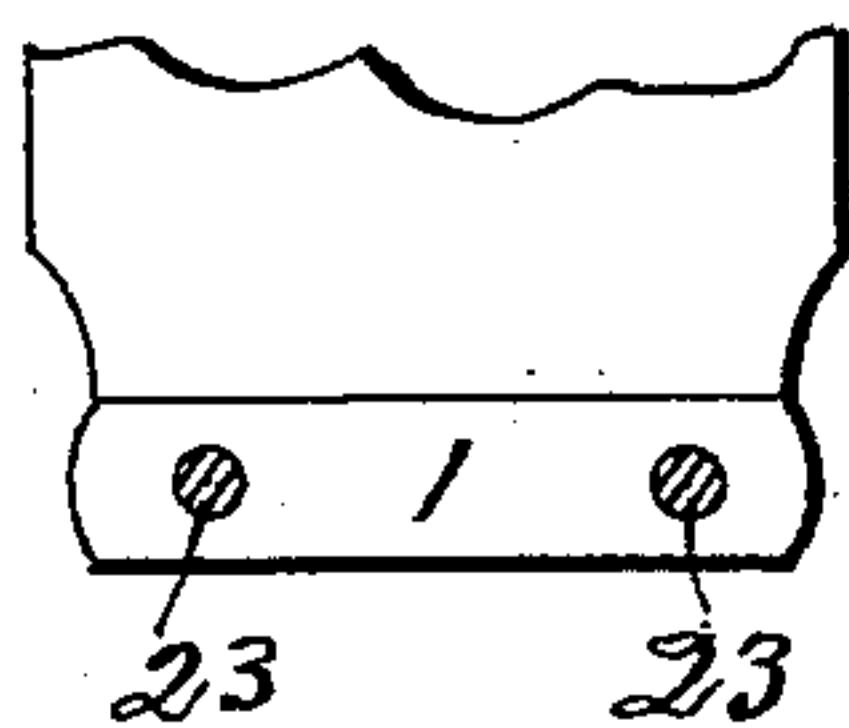
*Fig. 5.*



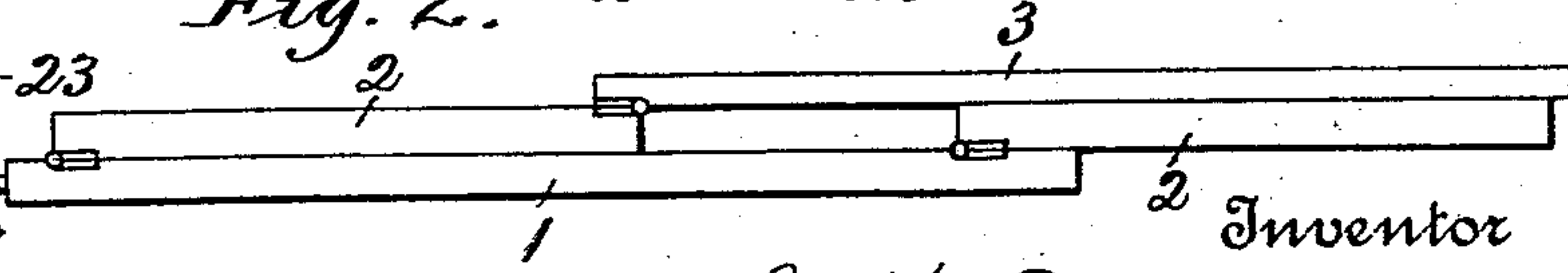
*Fig. 3.*



*Fig. 4.*



*Fig. 2.*



Witnesses 22  
Albert B. Blackwood.  
*J. M. Paul*

Inventor  
*J. H. Stewart,*  
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Attorney



# UNITED STATES PATENT OFFICE.

JOHN H. STEWART, OF WILLIAMSPORT, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO JOSEPH VASBINDER, OF DUBOIS, PENNSYLVANIA.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 569,141, dated October 6, 1896.

Application filed June 17, 1896. Serial No. 595,838. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN H. STEWART, a citizen of the United States, residing at Williamsport, in the county of Lycoming, in the State of Pennsylvania, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact specification of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to washing-machines.

The object of my invention is to produce a washing-machine which will be simple, cheap, and effective in cost and operation, and which will do its work thoroughly without tearing the clothes or pulling off the buttons.

For these purposes my invention consists in the following construction and combination of parts, the features of which will first be fully set forth, and the points of novelty therein then described and claimed.

In the drawings, Figure 1 represents a side elevation of my invention and set in operative position in the tub. Fig. 2 represents the frame of the washer folded with the operating parts removed. Fig. 3 represents a bottom view of the bed-plate. Fig. 4 is a detail cross-section of the same, and Fig. 5 an end view of the machine.

1 represents the bed-plate of my improved washing-machine.

2 are the standards for holding the roller and the roller-base. These standards are hinged to the bed-plate 1 so as to fold in the same direction down upon the bed-plate.

3 is a top bar, one end of which is hinged to the top of one of the standards so that it may be swung upwardly, and the other end is provided with a locking device, by means of which it may engage the top of the opposite standard.

5 are vertical slots in the standards 2. The slot in the standard to which the top bar is hinged need not necessarily extend clear to the top of the frame, but the slot 5 in the opposite standard extends clear through the top, for a purpose hereinafter to be described.

6 is the main operating-roller, having cor-

rugations 7, and circumferential slots 8 are formed transversely of the roller at intervals along the length thereof.

9 is a rotary bed comprising a plurality of rollers disposed across the width of the machine. Each series of rollers is composed of several short rotary sleeves 10.

11 are a series of stationary plates supported upon the rods 12. These plates are interposed between the adjacent ends of each of the series of rollers, and are located opposite the transverse circumferential slots in the main roller 6.

13 is the main drive-shaft upon which the roller 6 is mounted, and it is provided with a handle 14 at one end for rotating the same.

15 represents half-boxes or journal-bearings upon the opposite ends of the main drive-shaft.

16 are segmentally-shaped castings formed on the sides of the standards, and are provided with slots and bolts for the purpose of vertically and laterally adjusting the same.

17 are rubber bands passing around the segment 16 and over the tops of the half-boxes 15, for the purpose of giving the required tension between the rotary bed 9 and the main roller 6, and permitting the main roller to ride to accommodate itself to the clothes which are passed through the machine when in operation.

The bed-plate 1 is provided with a slot 18.

19 is an adjustable extension upon one end of the bed-plate.

20 is a slotted guide or casting rigidly secured to the extension 19, and projecting under the bed-plate and registering with the slots therein.

21 is a bolt passing through a slot in the bed-plate and the slotted casting. It is provided with a lock-nut 22, by means of which the end extension may be locked at any desired point.

23 are guide-pins rigidly secured to the bed-plate or to the extension thereof, and which are adapted to slide in and out of holes bored longitudinally of the bed-plate to accommodate the same in order to hold the extension-piece in position relatively to the bed-plate.



24 are sockets secured in the sides of the tub, within which the opposite ends of the bed-plate 1 are secured after the machine is placed therein and the extension-piece 19 set out and locked.

My device is adapted to be compactly stored for the purposes of transportation and storage when not in use.

To fold the machine, the top bar 3 is unlocked at 25 and the bar thrown upward. The main roller is then removed out through the top of the slots in the standards 2 after the rubber tension-band 17 has been removed. The right-hand standard 2 is then folded downwardly, whereby the ends of the rods and journals of the rotary bed are freed, after which the rotary bed is pulled away from the standard 2 at the left-hand side. Both standards 2 are then folded to the right, and the top bar 3 is then folded down with the standard, so that the whole device is brought within a compact shape for storage or transportation.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

A washing-machine having an adjustable bed-plate, slotted standards hinged to the bed-plate, devices separably uniting said standards at the top, a bed formed of short rotary sleeves turning rods bearing in said standards, stationary disks between said sleeves, a main roller journaled in said slots above the rotary bed and provided with longitudinal flutings and also with circumferential slots at points opposite said stationary disks, means for turning the main roller, and an elastic connection between the journals of the main roller and lugs adjustably fixed to the standards below said roller, substantially as described.

In testimony whereof I have hereunto set my hand.

JOHN H. STEWART.

Witnesses:

IRA F. SMITH,

T. M. GALLAGHER.