

L. NEMETH.  
PAPERING MACHINE.  
APPLICATION FILED MAY 7, 1909.

934,931.

Patented Sept. 21, 1909.

3 SHEETS—SHEET 1.

Fig. 1.

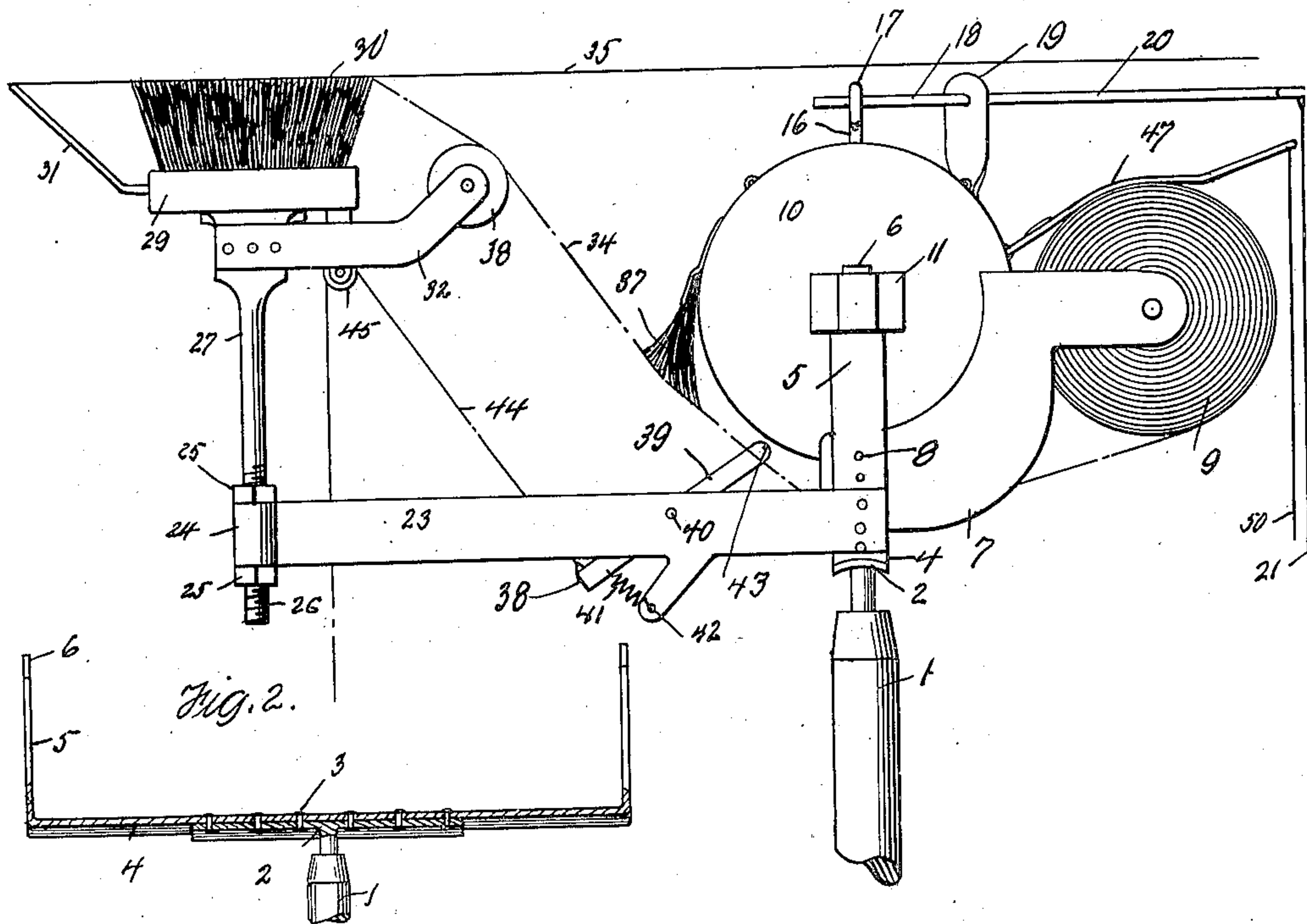


Fig. 2.

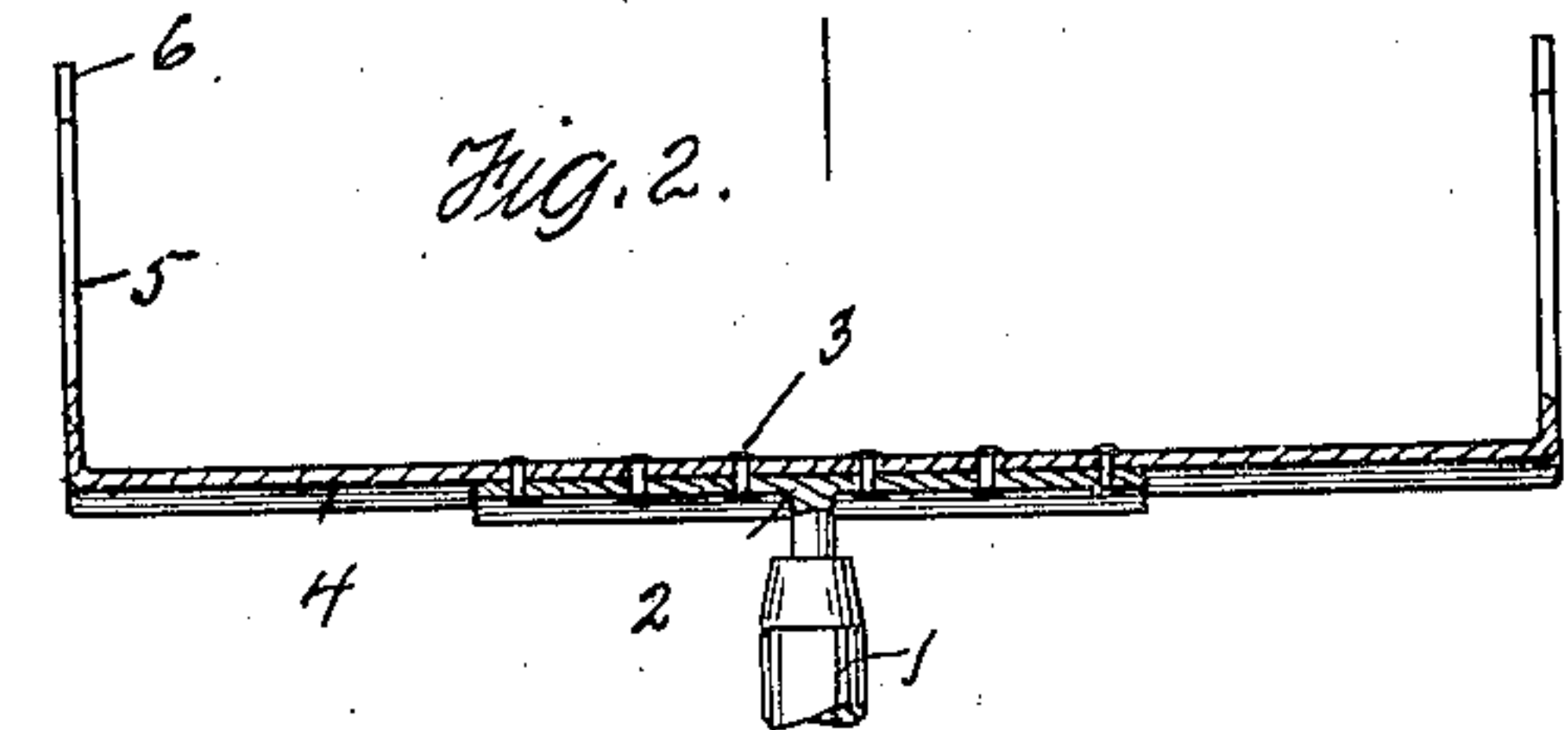
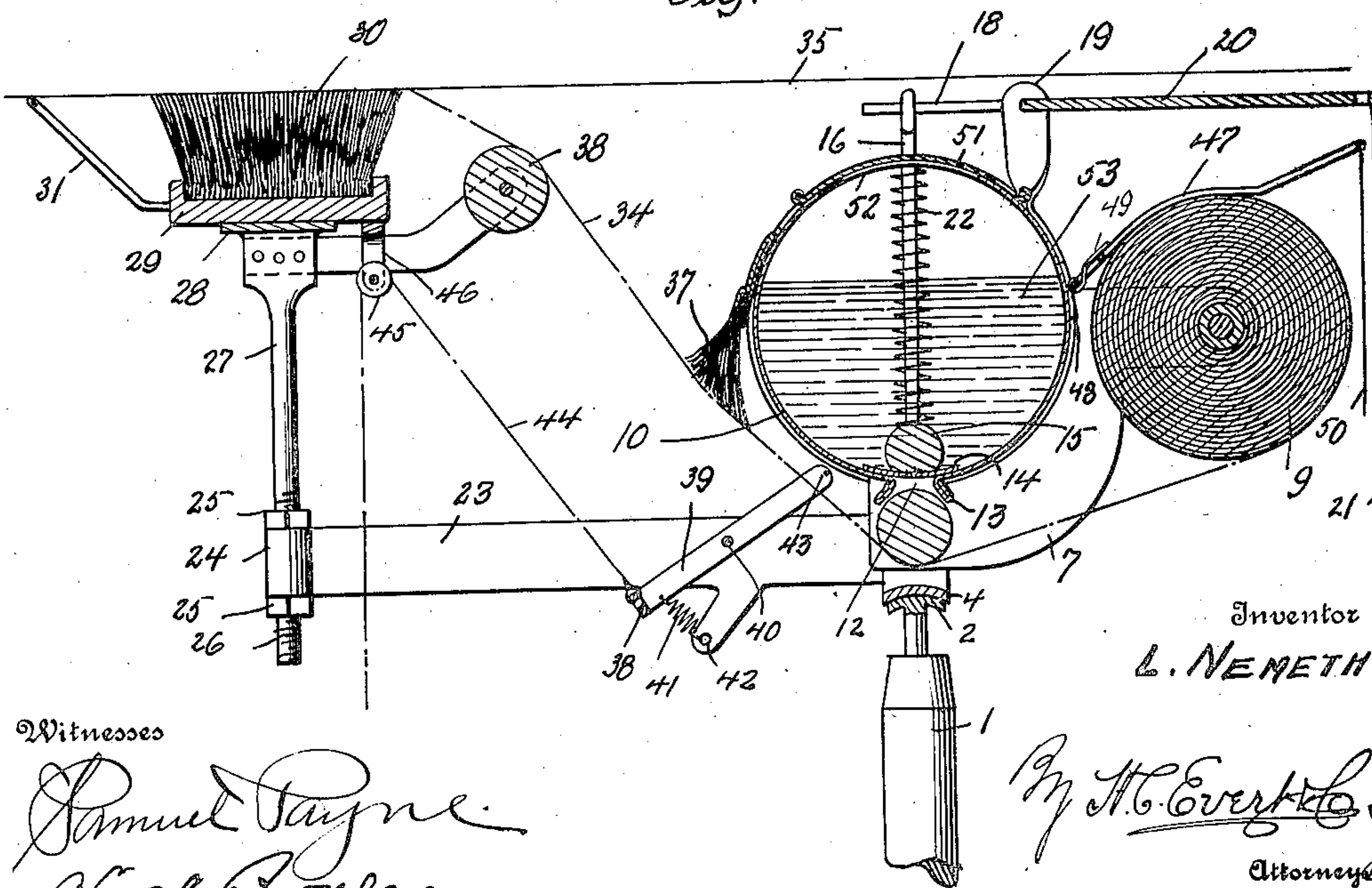


Fig. 3.



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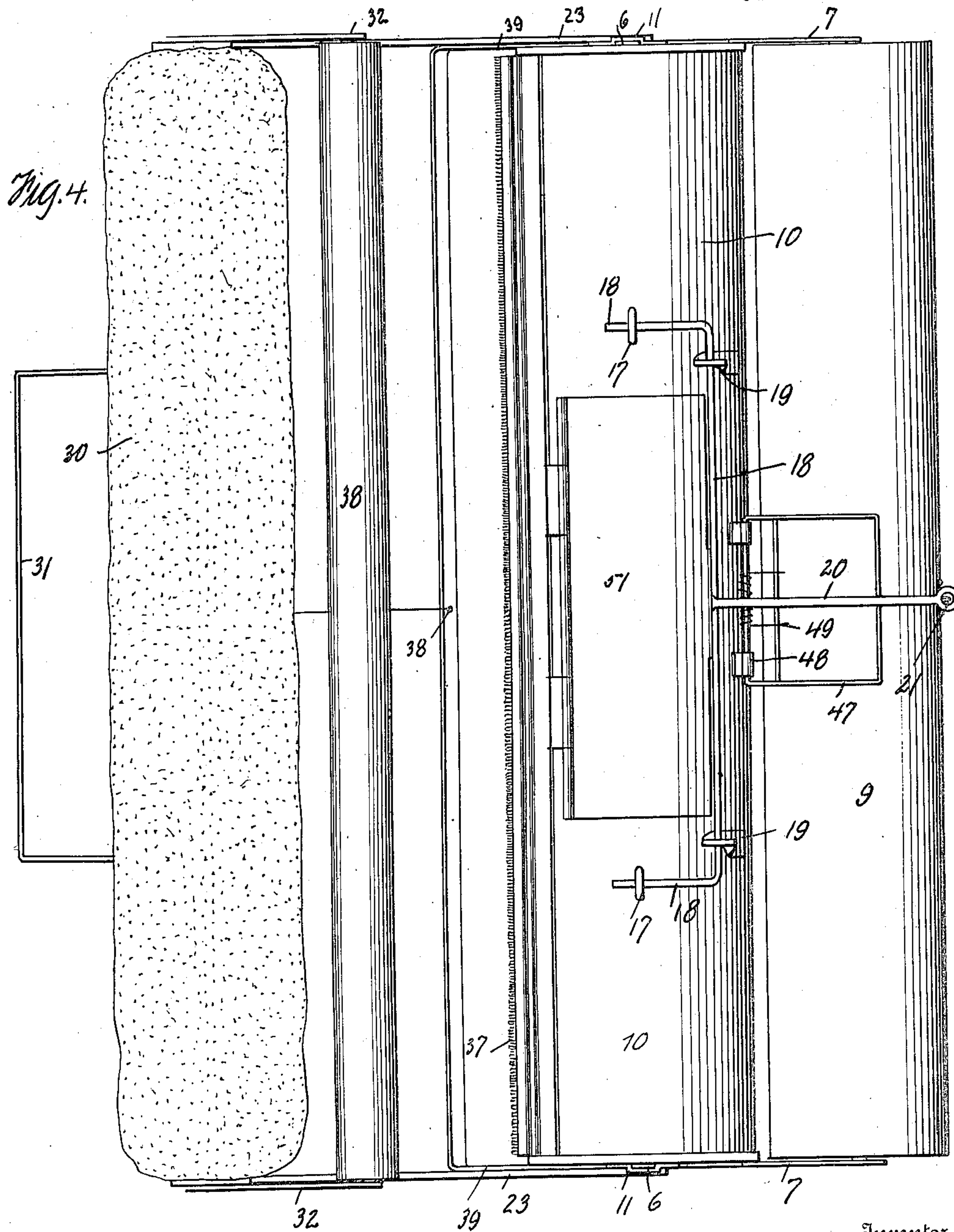
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3 SHEETS—SHEET 2.

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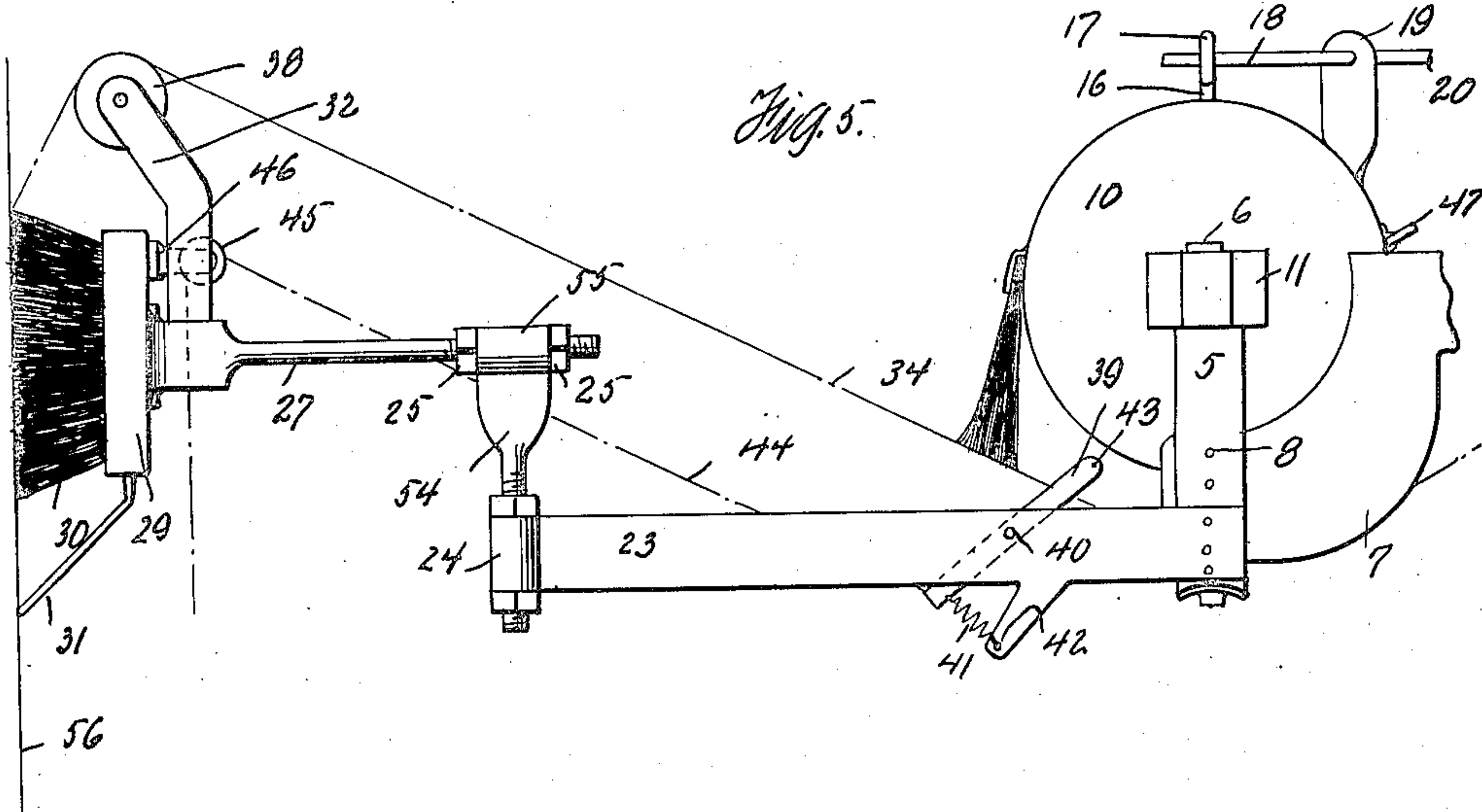
Attorney

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3 SHEETS—SHEET 3.



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# UNITED STATES PATENT OFFICE.

LOUIS NEMETH, OF JOHNSTOWN, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO JOHN SVALTEK, OF JOHNSTOWN, PENNSYLVANIA.

## PAPERING-MACHINE.

934,931.

Specification of Letters Patent. Patented Sept. 21, 1909.

Application filed May 7, 1909. Serial No. 494,554.

*To all whom it may concern:*

Be it known that I, LOUIS NEMETH, a subject of the King of Hungary, residing at Johnstown, in the county of Cambria and State of Pennsylvania, have invented certain new and useful Improvements in Papering-Machines, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a papering machine designed for applying paper to walls, ceilings, and similar surfaces.

The invention has for its primary object to provide a machine with simple and effective means for applying paste or an adhesive material to paper as the same is unrolled by the machine, and applied to a wall.

A further object of the invention is to provide a wall-papering machine with novel means for automatically feeding paper from a roll onto a wall and during the feeding movement of the paper, evenly apply paste to the paper.

I attain the above objects by a papering-machine having a novel paste reservoir, and a novel knife for cutting the paper carried by the machine after a portion of the paper has been applied to a wall.

The detail construction of the machine will be hereinafter considered, and then specifically claimed, and reference will now be had to the drawings forming part of this specification, wherein there is illustrated a preferred embodiment of the invention, but it is to be understood that the structural elements thereof can be varied or changed, as to the size, shape and manner of assemblage without departing from the spirit of the invention.

In the drawings, Figure 1 is a side elevation of the machine with the handle thereof partly broken away, illustrating the use of the machine in connection with the ceiling or over-head surface, Fig. 2 is a longitudinal sectional view of the frame, on a small scale, forming part of the invention, Fig. 3 is a cross sectional view of the machine, Fig. 4 is a plan of the machine. Fig. 5 is a side elevation of the machine with the handle thereof broken away, illustrating the use of the machine in connection with a wall.

In the drawings, 1 designates a handle having the upper end thereof provided with a T-shaped head 2 and riveted or otherwise

secured to this head, as at 3, is a frame 4 having vertical parallel side arms 5, said arms having the upper ends thereof contracted, as at 6.

7 designates rearwardly extending brackets having the lower ends thereof riveted, or otherwise secured, as at 8, to the inner sides of the arms 5, while the upper ends of said brackets revolubly support a detachable roll of paper 9.

10 designates a cylindrical paste reservoir having the ends thereof provided with straps 11 to receive the contracted ends 6 of the arms 5. The bottom of the reservoir is provided with a longitudinal opening 12 extending from one end thereof to the other, and that portion of the reservoir bordering upon the opening is flanged downwardly, as at 13. Adapted to normally close the opening 12 is a strip of resilient material 14, as rubber, carried by a longitudinal bar 15, to which are attached two vertical rods 16 extending upwardly through the reservoir adjacent to the ends thereof. The upper ends of these rods are provided with eyelets 17 and extending into said eyelets is a yoke 18 pivotally mounted in bearings 19, carried by the reservoir 10. The yoke 18 intermediate the ends thereof is provided with a rearwardly extending arm 20, to which is attached a cord or cable 21.

22 designates coil springs encircling the rods 16 between the longitudinal bar 15 and the top of the reservoir, these springs normally seating the strip 14, whereby the opening 12 will be normally closed, but permitting of the bar 15 being raised by pulling upon the cord or cable 21.

23 designates parallel arms secured to the lower ends of the arms 5, the said arms 23 extending forwardly in a horizontal plane relative to the reservoir 10 and having the outer ends thereof provided with sleeves 24. Detachably mounted in the sleeves 24 by nuts 25, are the threaded ends 26 of posts 27, said posts having the upper ends thereof connected by a longitudinal plate 28.

29 designates a brush body extending from one end of the plate to the other, said body supporting bristles 30. The body 29 intermediate the ends thereof is provided with a follower 31 adapted to follow the bristles 30 when applying paper to a ceiling.

32 designates rearwardly extending brackets carried by the upper ends of the posts 27



and revolubly mounted between these brackets is a guide roller 33 for the strip of paper 34 which passes off of the roll 9 to be applied to the ceiling 35 by bristles 30. The strip of paper 34 after leaving the roll 9, passes under a paste roller 36 journaled in the brackets 7 beneath the opening 12, whereby paste from the reservoir 10 will be applied to the strip of paper 34.

37 designates a brush carried by the forward side of the reservoir 10, for equally distributing paste upon the strip of paper 34. This brush extends from one end of the reservoir to the other and is made of flexible bristles that will not injure the paper when moving over the brush.

38 designates a knife frame having the side arms 39 thereof pivotally connected, as at 40, to the inner sides of the arms 23. The side arms 39 are connected by coil springs 41 to depending lugs 42 of the arms 23, these springs normally maintaining the rear ends of the arms in an elevated position. The wire 43 connects the rear ends of the arms 39 and serves functionally as a knife for cutting the strip of paper 34. To operate the knife frame 38, a cord or cable 44 is attached centrally of said frame and this cord or cable passes upwardly over sheave 45 revolubly supported in a hanger 46 carried by the edge of the brush body 29.

47 designates a brake-frame pivotally mounted in bearings 48, carried by the reservoir 10 intermediate the ends thereof. This brake-frame 47 is normally held in engagement with the roll of paper 9 by a spring 49 for preventing the roll of paper 9 from freely rotating. Attached to the brake-frame 47 is a cord or cable 50, which is pulled upon to bind the frame 47 against the roll of paper 9, while the cord or cable 44 is pulled upon to operate the knife frame 38 and cut the strip of paper 34.

51 designates a hinged lid carried by the reservoir 10, said lid closing an opening 52 from the reservoir intermediate the ends thereof, whereby paste or a similar adhesive material 53 can be placed in the reservoir.

An operator, having placed the end of the strip of paper 34 upon the bristles 30 can elevate the machine and cause the end of the strip of paper 34 to adhere to the ceiling at the edge or border thereof, and then by slowly moving the machine toward the opposite edge or border, the paper from the roll 9 can be unwound, pasted, and smoothly applied to the ceiling. When one strip of paper has been applied, the knife frame 38 can be actuated to cut the strip of paper, whereby the machine can be lowered and placed in condition for applying another strip of paper. When the machine cannot be used, in corners or difficult places after the greater portion of the strip of paper has been applied, the ends of the strip of

paper can be secured in position by the use of ordinary paper hanging tools.

When the machine is to be used for applying paper to walls, the posts 27 are removed from the arms 23 and short posts 54 provided having horizontal sleeves 55 to receive the posts 27 and maintain said posts in a plane parallel with the arms 23, thus positioning the bristles 30 whereby the machine can be raised or lowered, to apply the strip of paper 34 to a wall 56.

From the foregoing description taken in connection with the drawings, it will be observed that I have devised a novel papering machine that can be manipulated from the floor of a room for applying paper to any part of the walls or ceiling thereof, without the use of step-ladders, scaffolding or the ordinary paraphernalia, such as a paste board, generally used by paper-hangers.

Having now described my invention what I claim as new, is:—

1. A wall papering machine comprising a handle, a frame carried thereby, a paste reservoir supported by said frame, said reservoir having a longitudinal opening formed therein, a spring pressed bar arranged in said reservoir for normally closing the opening thereof, means carried by said reservoir for moving said bar, a paste roller revolubly supported beneath said reservoir and adapted to receive paste from the opening thereof, a paper roller revolubly supported adjacent to said reservoir and adapted to have the paper thereof contact with said paste roller, arms carried by said frame, a brush detachably connected to said arms for applying paper from said roller to a surface, and a knife frame carried by said arms for cutting paper from said roller.

2. A wall papering machine comprising a handle, a frame carried thereby, a paste reservoir supported by said frame, said reservoir having a longitudinal opening formed therein, a spring pressed bar arranged in said reservoir for normally closing the opening thereof, means carried by said reservoir for moving said bar, a paste roller revolubly supported beneath said reservoir and adapted to receive paste from the opening thereof, a paper roller revolubly supported adjacent to said reservoir and adapted to have the paper thereof contact with said paste roller, arms carried by said frame, a brush detachably connected to said arms for applying paper from said roller to a surface, a knife frame carried by said arms for cutting paper from said roller, and a brush carried by said reservoir for spreading the paste applied to the paper.

3. A wall papering machine comprising a handle, a frame carried thereby, a paste reservoir supported by said frame, said reservoir having a longitudinal opening formed therein, a spring pressed bar arranged in



said reservoir for normally closing the opening thereof, means carried by said reservoir for moving said bar, a paste roller revolubly supported beneath said reservoir and adapted to receive paste from the opening thereof, a paper roller revolubly supported adjacent to said reservoir and adapted to have the paper thereof contact with said paste roller, arms carried by said frame, a brush detachably connected to said arms for applying paper from said roller to a surface, a knife frame carried by said arms for cutting paper from said roller, a brush carried by said reservoir for spreading the paste applied to the paper, and means carried by said reservoir for holding said paper roller stationary during the cutting operation of the knife frame.

4. A wall papering machine embodying a handle, a frame carried thereby, a paste reservoir supported by said frame, said reservoir having a bottom thereof provided with a longitudinal opening, a spring pressed bar arranged in said reservoir for normally closing said opening, means carried by said reservoir for elevating said bar to open said opening, means carried by said reservoir for normally closing said opening, means carried by said reservoir for elevating said bar to open said opening, brackets carried by said frame, a paper roller movably supported by said brackets and adapted to have the paper thereof passed beneath said reservoir, a paste roller revolubly mounted between said brackets beneath the opening of said reservoir for applying paste to the paper of said roller, a brake frame carried by said reservoir and adapted to engage said roller for preventing said roller from freely rotating, arms carried by said frame, a brush detachably connected to said arms and adapted to

apply the paper of said roller to a surface, a knife frame pivotally mounted between said arms, means supported by said brush and connecting with said frame to actuate said frame, and a brush carried by said reservoir for spreading paste previously applied to the paper of said roll.

5. A wall papering machine embodying a handle, a frame carried thereby, a paste reservoir supported by said frame, said reservoir having a bottom thereof provided with a longitudinal opening, a spring pressed bar arranged in said reservoir for normally closing said opening, means carried by said reservoir for elevating said bar to open said opening, brackets carried by said frame, a paper roller movably supported by said brackets and adapted to have the paper thereof passed beneath said reservoir, a paste roller revolubly mounted between said brackets beneath the opening of said reservoir for applying paste to the paper of said roller, a brake frame carried by said reservoir and adapted to engage said roller for preventing said roller from freely rotating, arms carried by said frame, a brush detachably connected to said arms and adapted to apply the paper from said roller to a surface, a follower carried by said brush, a knife frame pivotally mounted between said arms, means supported by said brush and connecting with said frame to actuate said frame, and a brush carried by said reservoir for spreading paste previously applied to the paper of said roller.

In testimony whereof I affix my signature in the presence of two witnesses.

LOUIS NEMETH.

Witnesses:

SAM SPRINGER,

H. B. MAINHART.