

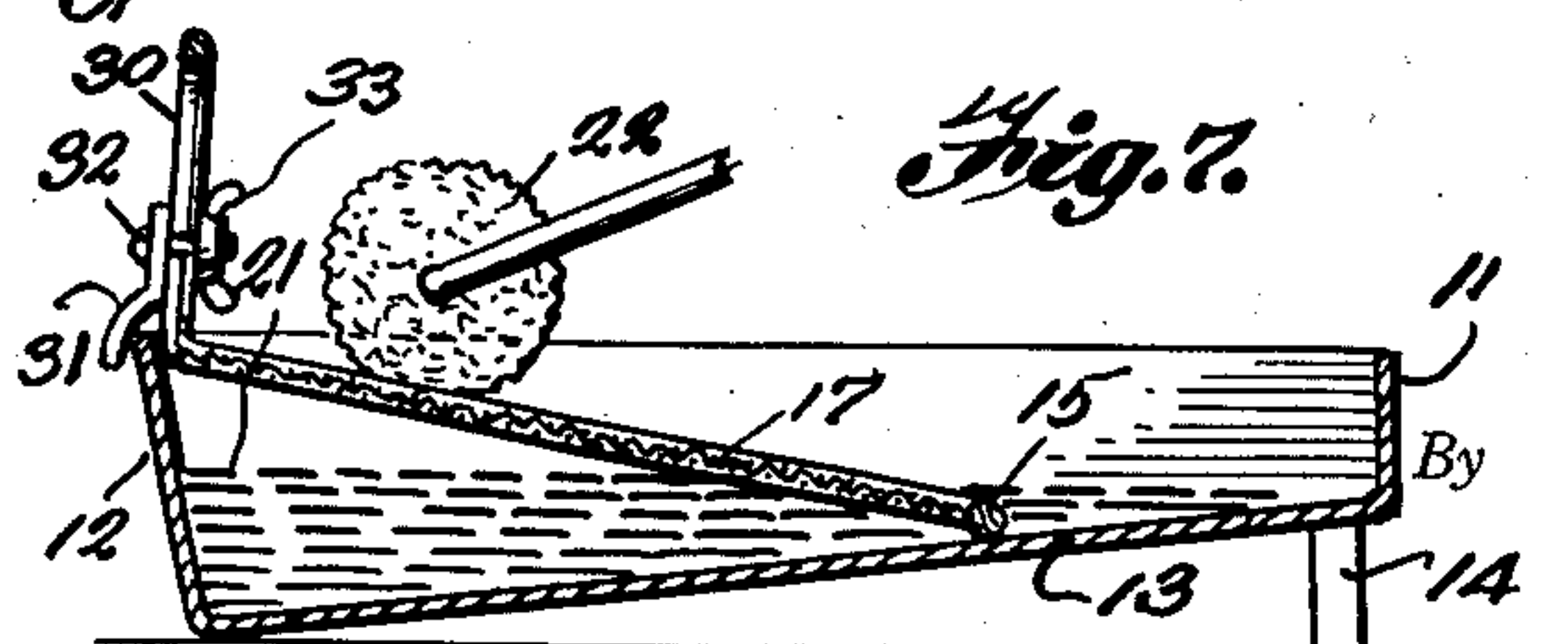
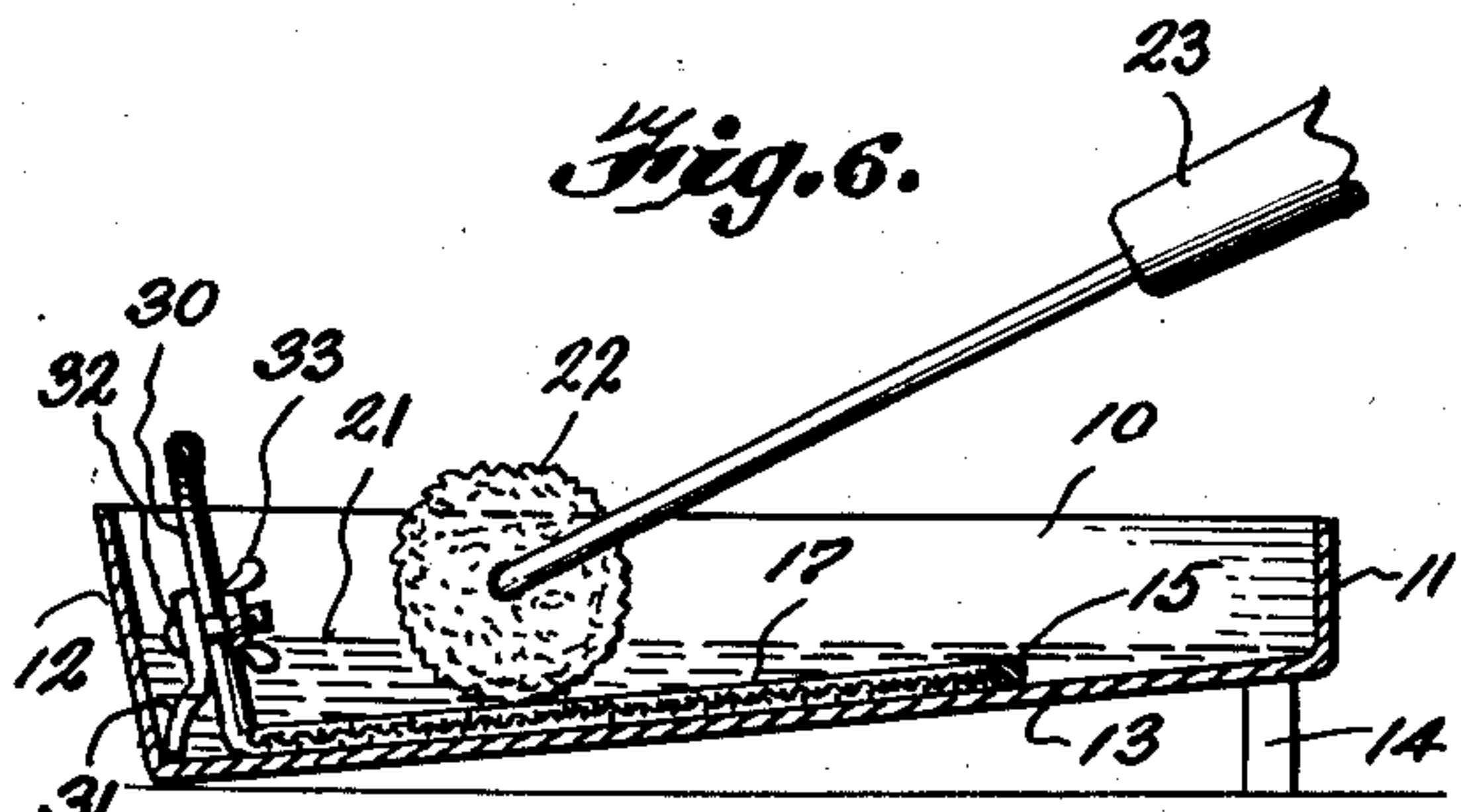
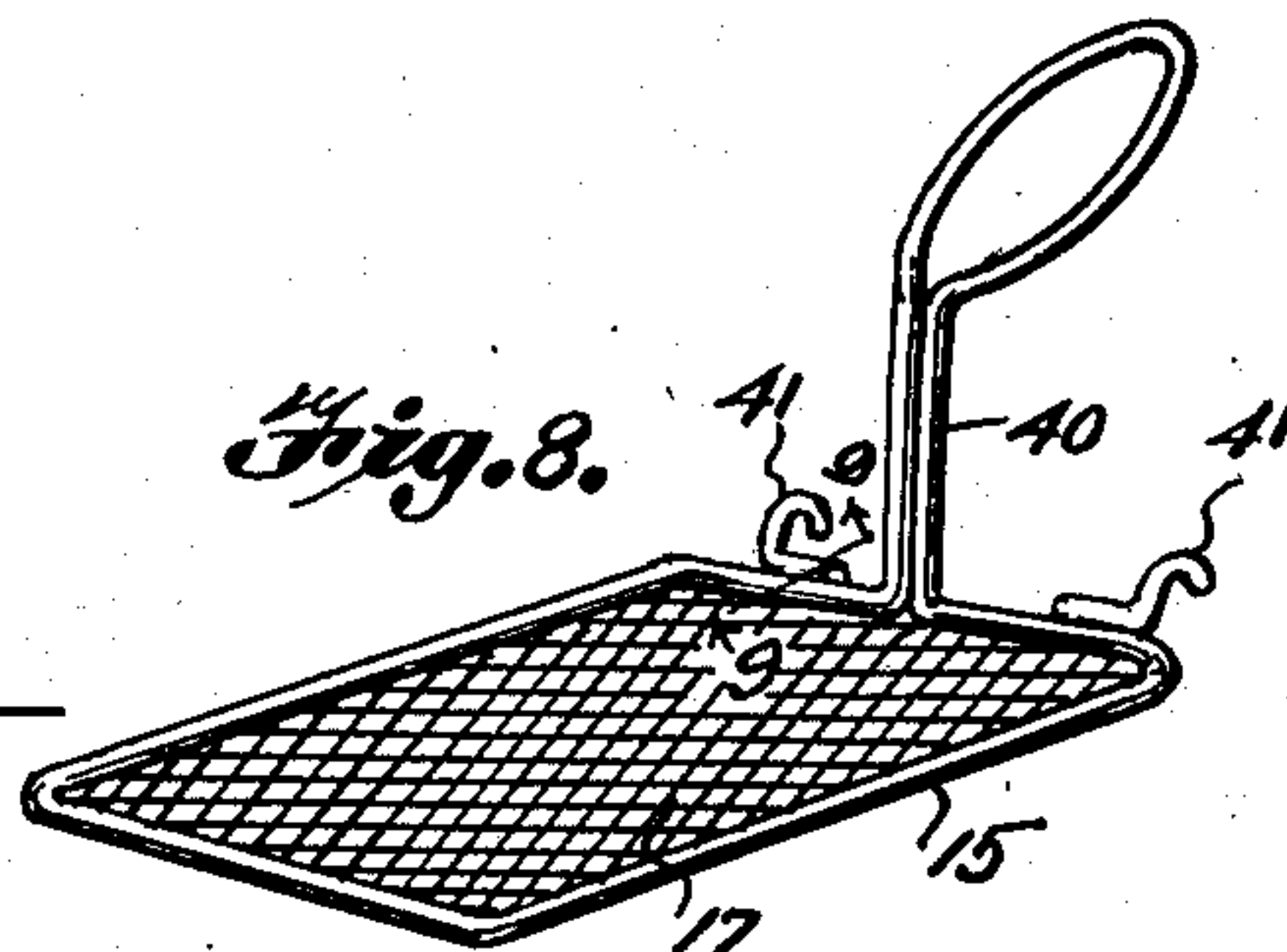
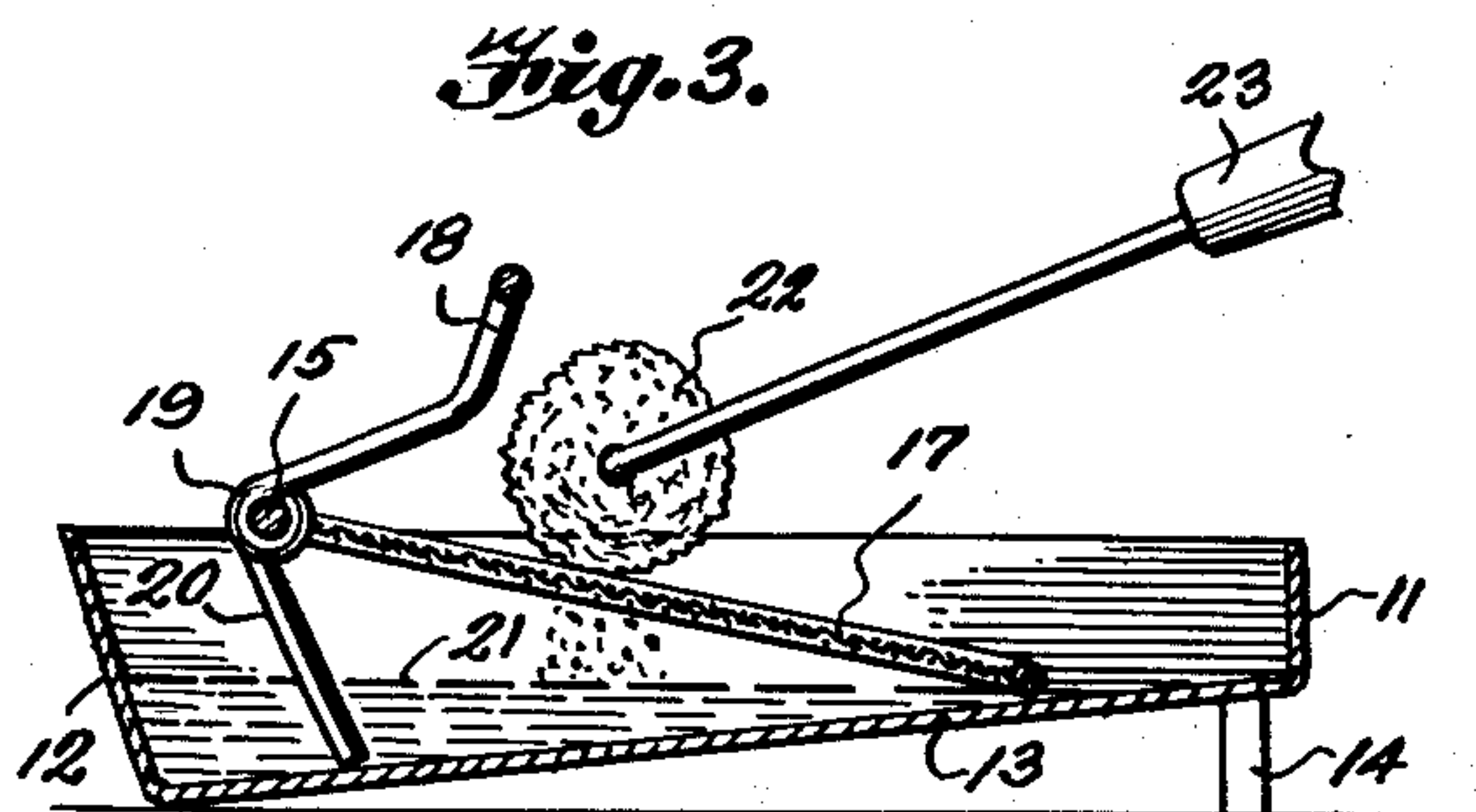
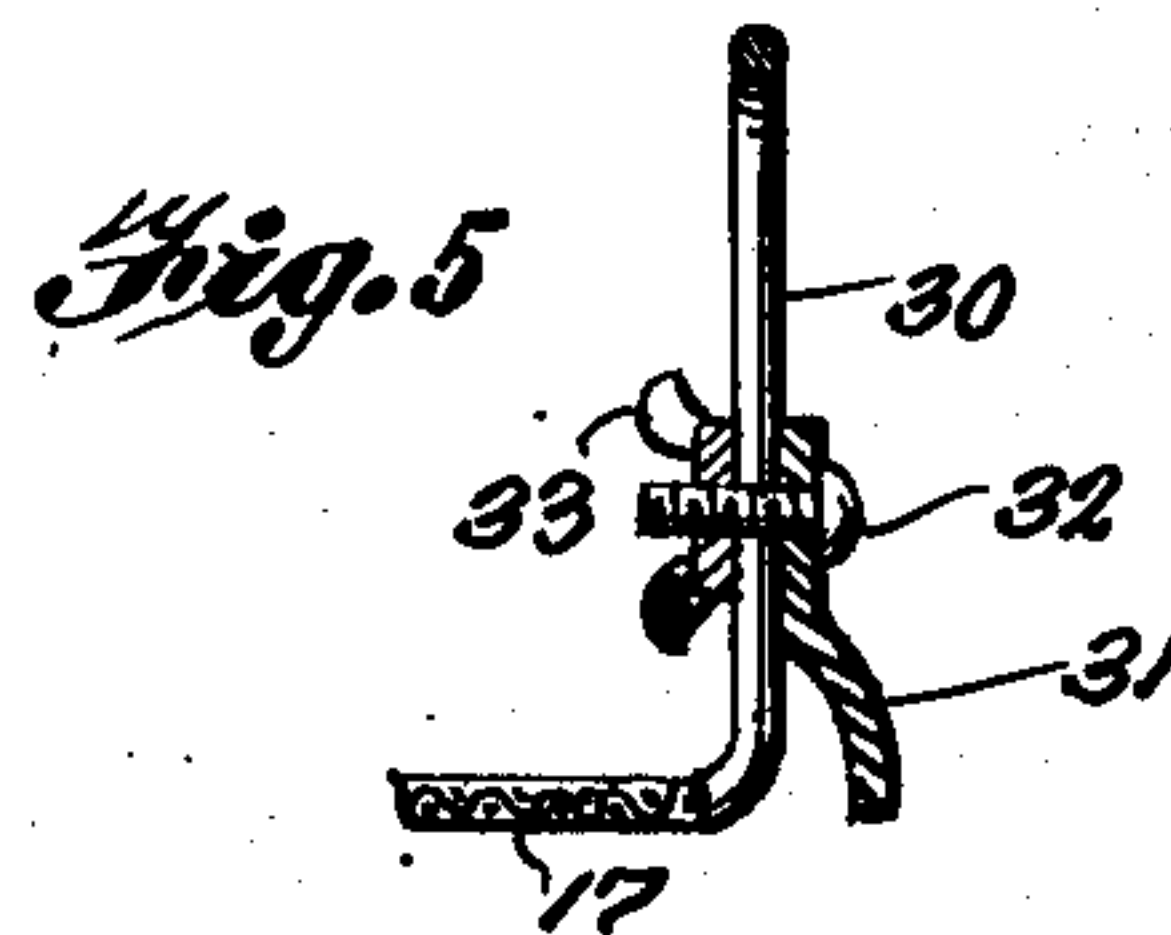
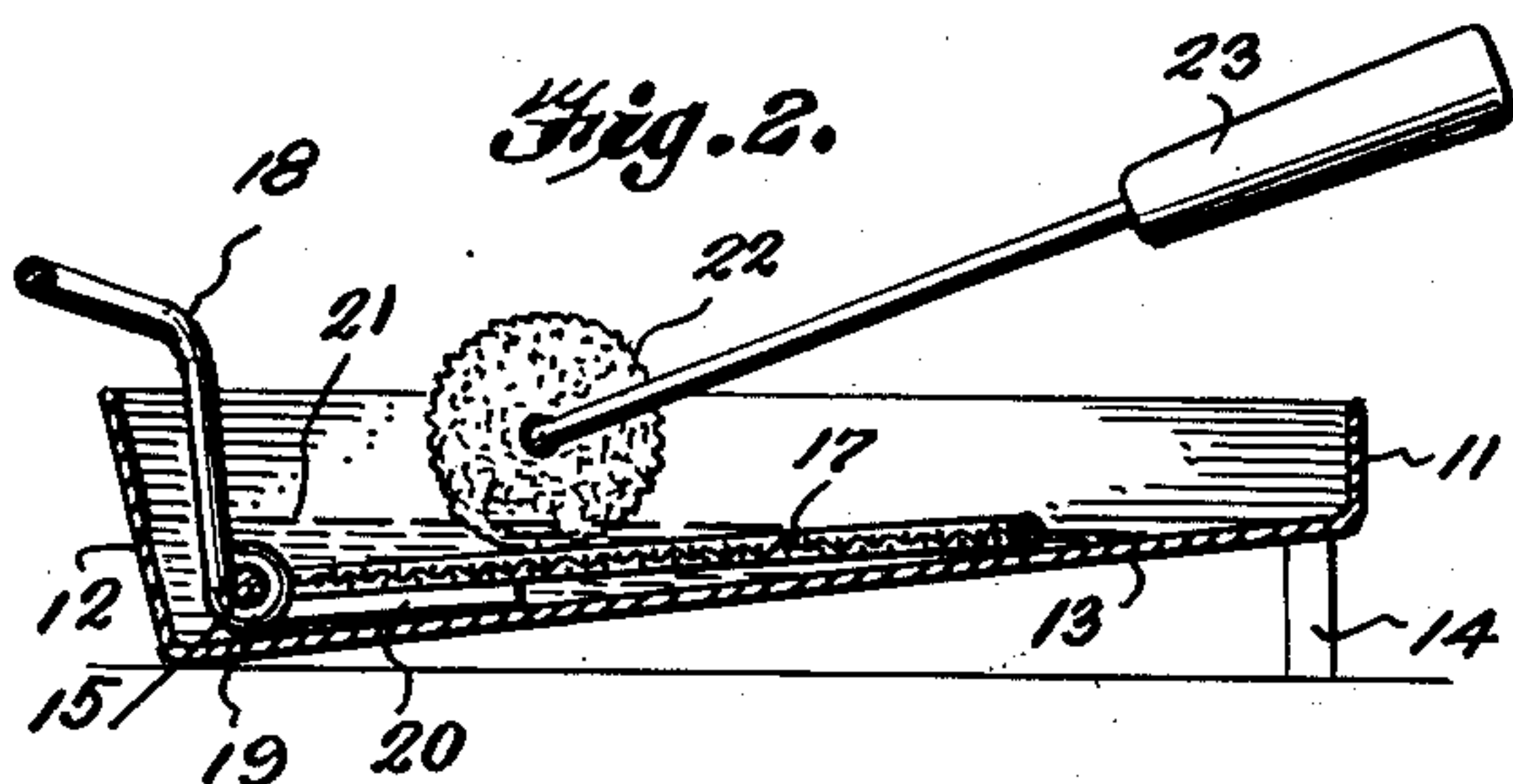
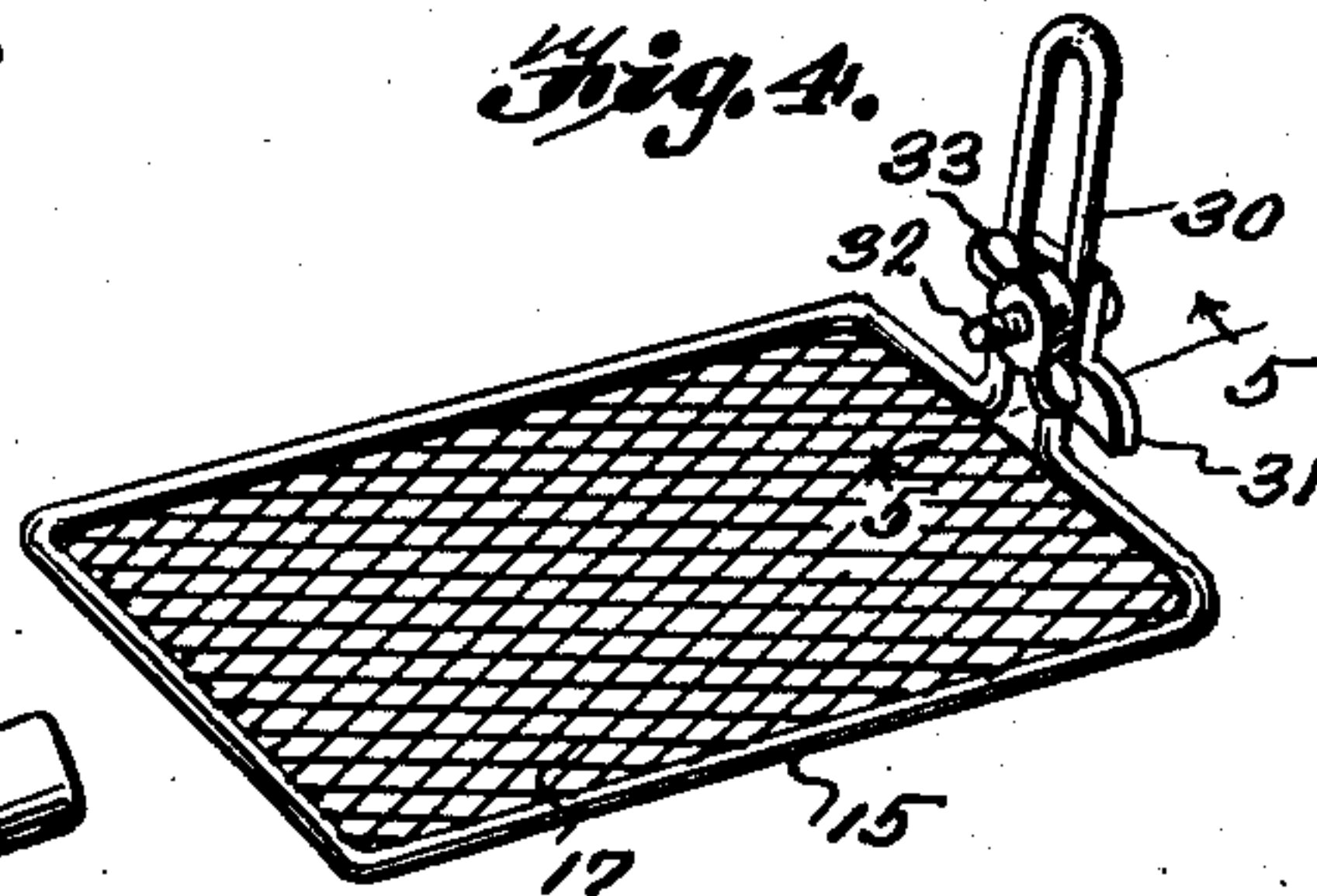
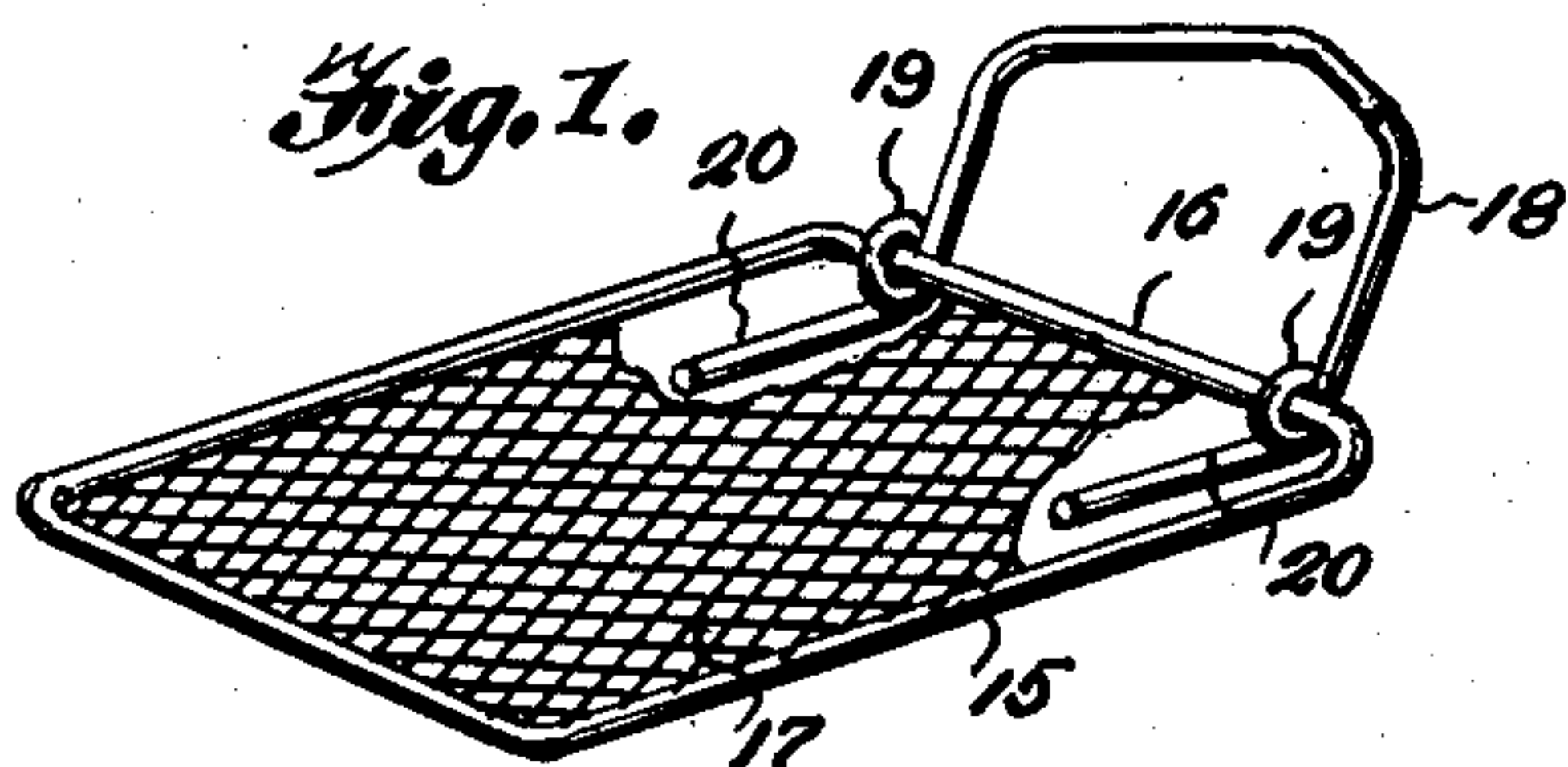
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STRAINER AND CLEANER FOR PAINT ROLLERS

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## UNITED STATES PATENT OFFICE

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## STRAINER AND CLEANER FOR PAINT ROLLERS

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2 Claims. (Cl. 15—121.2)

1

The present invention relates to a strainer and cleaner for paint rollers and it consists in the combinations, constructions and arrangements of parts herein described and claimed.

Generally there is provided a strainer and cleaner for paint rollers and it consists of a simple, preferably rectangular, frame having a rigid metal screen affixed within the same and having a handle for raising and lowering the device with respect to the bottom of a paint-holding tray. Novel means is provided for holding the device in the tray in a position above the level of the paint contained therein for reasons hereinafter set forth.

It is accordingly an object of the invention to provide a device of the character set forth which is simple in construction, inexpensive to manufacture and yet effective and efficient in use.

Another object of the invention is the provision of novel supporting means for a strainer of the character set forth.

A further object of the invention is the provision of novel means, in a device of the character set forth, for applying paint to and for cleaning a paint roller.

Other and further objects of the invention will become apparent from a reading of the following specification taken in conjunction with the drawing, in which:

Figure 1 is a perspective view, partly broken away, of an embodiment of the invention,

Figure 2 is a vertical sectional view illustrating the device shown in Figure 1 immersed in paint in a tray forming a part of the invention,

Figure 3 is a view similar to Figure 2 but showing the strainer in raised position in the tray,

Figure 4 is a perspective view of a modified form the invention may assume,

Figure 5 is an enlarged fragmentary sectional view taken along line 5—5 of Figure 4,

Figure 6 is a view similar to Figure 2 but showing in use the modified form of the invention illustrated in Figures 4 and 5,

Figure 7 is a view similar to Figure 3 but likewise showing in use the modification of the invention illustrated in Figures 4 and 5,

Figure 8 is a perspective view of a still further modification of the invention, and

Figure 9 is an enlarged fragmentary sectional view taken along line 9—9 of Figure 8.

Referring more particularly to the drawing, there is shown therein a tray having sides 10, ends 11 and 12 and a sloping bottom 13 which is supported by feet 14 adjacent the end 11.

2

There is also provided a strainer and cleaner comprising a substantially rectangular frame 15 preferably formed of a single piece of wire welded at its ends, as indicated at 16, and to which is affixed in any suitable manner a rigid screen 17.

At one end of the frame is a substantially U-shaped handle 18 the sides of which are bent around the frame to form hinges, as shown at 19, and which terminate in legs 20 which are positioned on the underside of the screen 17.

In the operation of this form of the invention, it will be seen that a quantity of paint 21 is placed in the tray in an amount sufficient to cover the screen 17 when the sides of the legs 20 are moved to a position abutting the underside of the screen. A paint roller 22 is then moved by means of the handle 23 back and forth over the upper side of the screen 17 to cover the same with paint, it being apparent that the screen 17 will furnish traction for the turning of the roller so that all portions thereof may have paint applied thereto—a difficult feat where no such additional traction is furnished.

Thereafter the handle 18 is moved in a clockwise direction as viewed, for example, in Figure 2, thus causing the legs 20 to move likewise in a clockwise direction until the ends only of the legs 20 engage with the tray thus causing the screen 17 to be lifted to a position above the level of the paint as shown in Figure 3. While the screen is held in this position by one hand of the operator, the roller 22 is again reciprocated over the screen 17 by manipulating the handle 23 with his other hand to thus remove any excess paint from the roller. The roller may now be applied to the surface to be painted without fear of paint dripping or spattering therefrom.

When a painting operation has been completed, whatever paint is left in the tray may be poured therefrom into paint containers and the tray wiped comparatively clean. A paint solvent may then be placed in the tray after which the strainer may be immersed in such solvent and the roller again reciprocated thereover to thus clean the tray, the strainer and the roller.

In the form of the invention shown in Figures 4 to 7, inclusive, the frame 18 has integrally formed therewith at one end thereof an upwardly extending handle 30 to which a dependent arm 31 is adjustably connected by means of a bolt 32 and wing nut 33.

The operation of this form of the invention is identical with that above described with respect to the form of the invention illustrated in Fig-



3

ures 1 to 3, inclusive, with the exception that when it is desired to raise and hold the screen 17 out of the paint 21 it is only necessary to lift the same by means of the handle 30 and hook the arm 31 over the end 12 of the tray to thereby support the same.

In Figures 8 and 9, a further modification of the invention is shown. In this form, a handle 40 is formed integrally with one end of the frame 15 and a pair of hooks 41 is spot-welded or otherwise affixed to the frame, one at either side of the handle 40.

The operation of this form of the invention is identical described with relation to the form of the invention shown in Figures 4 to 7, inclusive.

While but three forms of the invention have been shown and described herein, it will be readily apparent to those skilled in the art that many minor modifications thereof may be made without departing from the spirit of the invention or the scope of the appended claims.

What is claimed is:

1. A device of the character described comprising, in combination, a tray for holding paint, a flat strainer, a handle at one end of the strainer, and means associated with the handle for holding a substantial portion of said strainer out of contact with said paint, said handle being pivoted to said strainer and said means comprising a pair of straight dependent legs integrally formed with said handle and adapted to have the sides thereof bear against the bottom of the tray and against the bottom of said strainer when the handle is rotated in one direction whereby to

4

immerse said strainer in said paint and to have the ends thereof abut the bottom of the tray when said handle is rotated in the opposite direction whereby to lift said strainer out of said paint.

2. A device of the character described comprising, in combination, a tray for holding paint and having a sloping bottom, legs for supporting the higher end of the tray, a strainer of generally flat construction, a handle at one end of the strainer, and means associated with the handle for holding a substantial portion of said strainer out of contact with said paint, said handle being pivoted to said strainer adjacent the deep end of said tray and said means comprising a pair of integrally formed dependent straight legs adapted to have the sides thereof bear against the deeper portion of the bottom of the tray and against the bottom of said strainer when the handle is rotated in one direction whereby to immerse said strainer in said paint and to have the ends thereof abut the bottom of the tray when said handle is rotated in the opposite direction whereby to lift said strainer out of said paint.

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