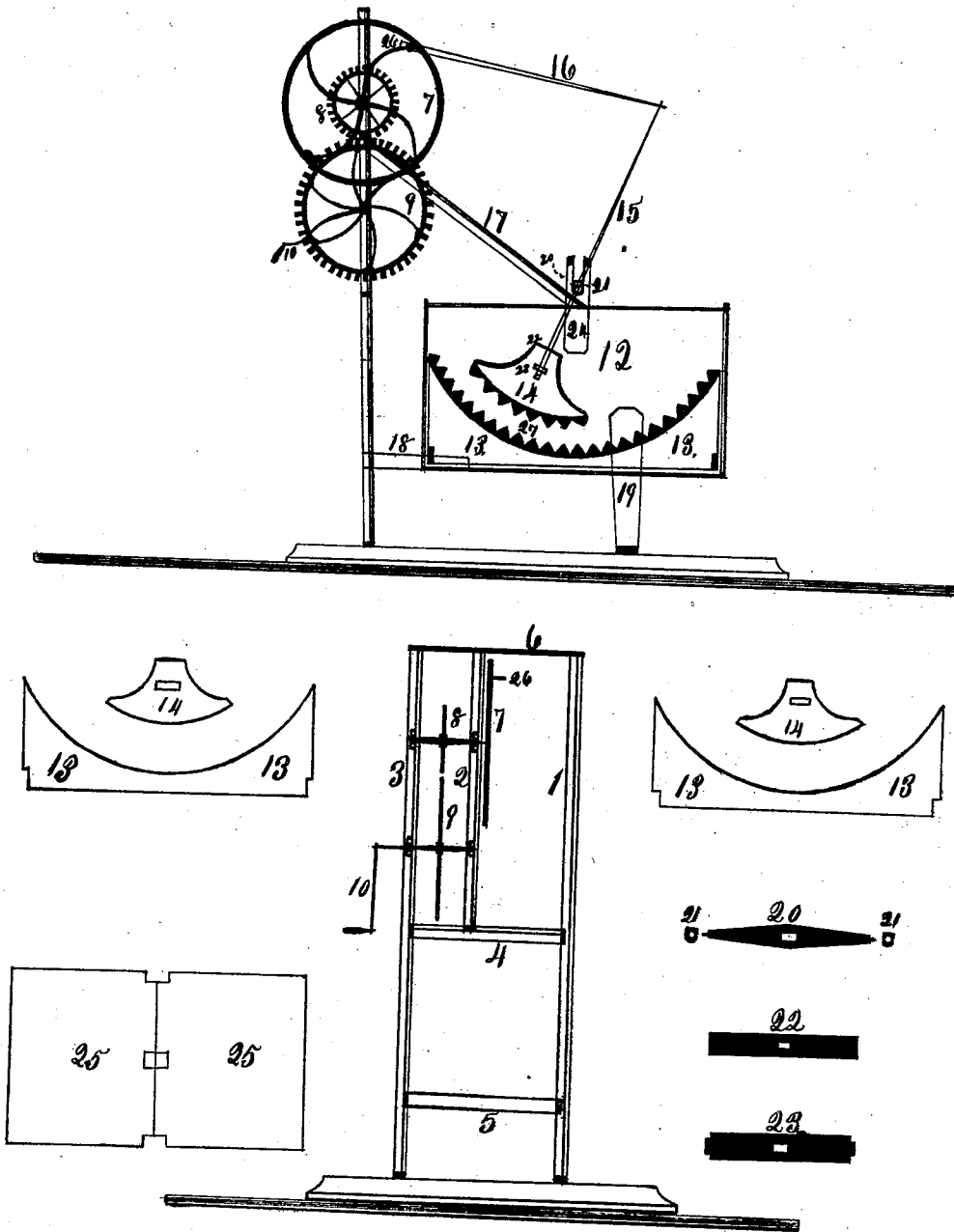


Fiscus & Arney;

Washing Machine.

No. 102,385.

Patented Apr. 26, 1870.



Elijah Stanley
Witnesses
Guidem Wheeler

Inventors
Elias Fiscus
Solomon Arney

United States Patent Office.

ELIAS FISCUS AND SOLOMON ARNEY, OF ALBION, IOWA.

Letters Patent No. 102,385, dated April 26, 1870.

IMPROVED WASHING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, ELIAS FISCUS and SOLOMON ARNEY, of Albion, in the county of Marshall and State of Iowa, have invented new and useful Improvements in Washing-Machines; and we do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which our invention appertains to fully understand and use the same, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1 is a side view, partly in section, of the device illustrating our invention.

Figure 2 is an end view thereof.

Figures 3 to 8 are detailed views.

Similar letters of reference indicate corresponding parts in the several figures.

Our invention consists in the construction, combination, and arrangement of certain parts forming an improvement in washing-machines, as will be hereinafter more fully described.

In the drawings—

1, 2, 3, 4, 5, and 6 represent an upright framing, on which is mounted a toothed wheel gearing with a larger wheel, 9, which is provided with a suitable crank-handle, 10.

7 is a balance-wheel mounted on the shaft of wheel 8, and having a wrist-pin, 26, to which is connected a pitman, 16.

12 represents the box, on the bottom of the inner side of which are placed pieces 13 13, which support the curved rubbing-board 27.

The upper rubber is represented by 14, whose sides are held together by the transverse pieces 23, at or about the middle of the sides, and a piece, 22, at the top thereof.

The pitman 16 is connected to the upper end of a lever, 15, which is passed freely through a rock-shaft, 20, whose journals are mounted on guides 21, which rest on standards 24 rising from the tub 12.

These guides 21 move in slots in said standards, and allow the rising and falling and the removal of the rubber 14.

The lower end of the lever 15 passes through 22 and 23, to the latter of which it is securely united.

A suitable cover, 25, is applied to the box 12, provision being made for the lever and other projecting parts.

It will be seen that the box is removed from the framing which bears the gearing, but is connected to said framing by pieces 17 and 18, so that the two

parts are firmly supported, the legs 19 being necessary only at one end of the box.

The operator is out of the way of splashing and of the steam that arises from the tub or box, and is not compelled to bend or stoop to operate the wheels.

The parts in the interior of the box are easily removed for cleansing purposes, and the sediment and dirty water may be removed therefrom by a faucet or opening properly located.

There is ample room for the circulation of water below the rubber 24 between the pieces 13, on which said rubber rests.

The pieces 22 limit the upward play of the rubber 14, and a pin may be attached to lever 15 just above the point occupied by the rock-shaft 20; in order to limit the downward play.

The upper rubber is lifted from the tub until it may be rested on the end of the box next to the framework of the gearing, and in this position we are ready to begin the operation of washing.

The water is introduced into the box and the clothes, &c., well soaped. The rubber is now returned into the box and the cover 25 inserted in place.

Power is applied to the crank 10, and communicated to the gearing and to the upper rubber, which latter has a reciprocating movement, and thus acts on the clothes.

The clothes are subjected to a thorough rubbing, pressing, and washing operation, and may have clean water applied thereto as often as desired or found necessary.

The thickness of the clothes will not interfere with the free motion of the rubber, since the latter will "give," owing to its sliding connection with the rock-shaft 20.

We design to use wood or metal in the construction of the various parts, as will be found most suitable for the purpose intended.

Having fully described our invention,

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

The framing 1 2 3 4 5, gearing 7 8 9, tub 12, rubbers 13 14 27, lever 15, pitman 16, rock-shaft 20, and guides 21, combined, arranged, and constructed as herein represented and described.

ELIAS FISCUS.
SOLOMON ARNEY.

Witnesses:

GIDEON WHEELER,
ELIJAH STANLY.