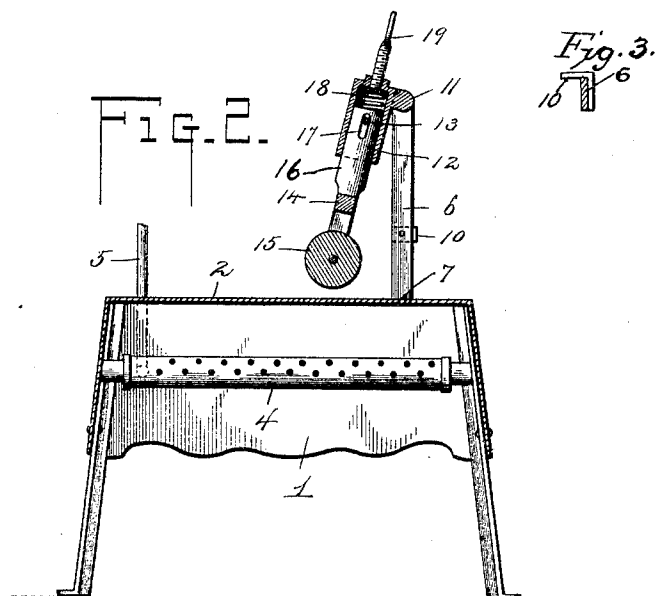
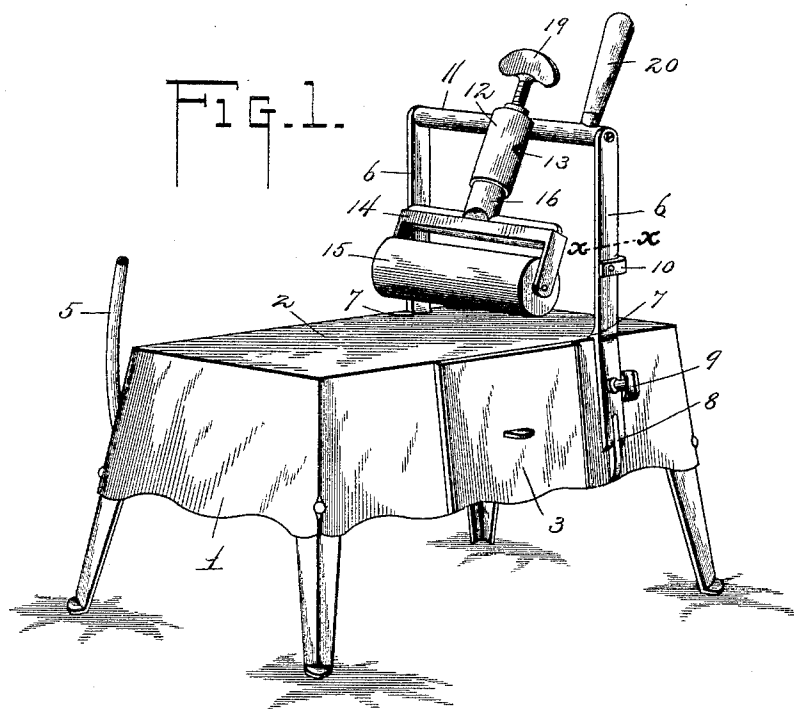


(No Model.)

W. H. THOMPSON.
RENOVATOR.

No. 586,882.

Patented July 20, 1897.



WITNESSES

Harry L. Ames.

Am. Register

INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM HENRY THOMPSON, OF WABASH, INDIANA.

RENOVATOR.

SPECIFICATION forming part of Letters Patent No. 586,882, dated July 20, 1897.

Application filed January 29, 1897. Serial No. 621,171. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HENRY THOMPSON, a citizen of the United States, residing at Wabash, in the county of Wabash and State of Indiana, have invented certain new and useful Improvements in Renovators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention is a renovator designed for the use of milliners for renewing ribbons, velvets, laces, and the like; and the object of the invention is to provide a simple, cheap, and durable machine which may be easily and quickly operated for the desired purpose and which, being small and compact, may be easily carried from one place to another.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the device, and Fig. 2 is a longitudinal vertical section of the same. Fig. 3 is a section on line *x x* of Fig. 1.

The body of the renovator, as shown, comprises the slightly-inclined sides and ends 1 and the smooth top 2, forming an open-bottomed chamber within which is placed a gas-heater 4, to which gas is supplied by a tube 5. A suitable door is provided, as shown at 3, to permit access to the heater.

Upright standards or members 6 are provided at each side and near one end of the table, which are detachably carried by the body.

The detachable connection shown comprises lugs 7, projecting inwardly from the inner faces of the standards over the edges of the body, and lower lugs or projections 8, carried by the sides of the body portion, which engage the forked lower ends of the standards, the standards being further held against movement by set-screws 9, passing through the standards and threaded into the sides of the body portion.

A rocking shaft or spindle 11 is journaled in the upper ends of the standards and is provided with a sleeve 12, projecting centrally therefrom at right angles thereto.

The shank 16 of a fork 14 is inserted in the sleeve and is adapted to have longitudinal movement therein, its movement being limited

by a screw 13, passing through the sleeve and engaging a slot 17 in the shank 16.

The shank is normally forced outward to the limit of its movement by a helical spring 18, located within the sleeve, the pressure of which may be varied by a set-screw 19, threaded through the head of the sleeve and bearing against the end of the spring.

A smoothing or renovating roller 15 is journaled between the arms of the fork 14 and is adapted to be forced down into contact with the articles upon the table by a handle 20, projecting from the rock-shaft 11. Stops 10 are provided on the uprights, which are adapted to engage the arms of the fork to prevent its swinging through between the standards.

From the above description the operation of the device will be readily understood, but may be briefly stated as follows: The gas is first lighted and when the table has been heated to the desired degree the handle is operated to swing the roller outward from the table to permit the ribbon, lace, or other fabric to be placed thereon. It will be understood that the operator stands at the end of the device where the uprights are located with the portion of the fabric to be pressed extending over the heated surface upon the opposite side of the roller. Upon releasing the handle 20 the roller at once drops by gravity into contact with the fabric and the operator then draws upon the end of the fabric, pulling it through between the roller and the table. The movement of the fabric causes the fork to swing in between the standards, its movement being limited by the stops 10, and the spring causes a yielding pressure to be placed upon the fabric.

Having thus described my invention, what I claim is—

1. A renovator comprising the table, the standards carried thereby, the fork having a pivotal connection with the standards and adapted to swing into a position approximately parallel therewith, the roller journaled in the fork, and means for limiting the movement of the fork in the direction of the standards, substantially as described.

2. A renovator comprising the table, the standards carried thereby, the rock-shaft journaled in the standards, the fork having a yielding connection with the rock-shaft, said

fork being adapted to swing downward and inward into a position approximately parallel to the standards, the roller journaled in the fork, and means for limiting the movement of the fork, substantially as described.

3. A renovator comprising the table, the standards carried thereby, the rock-shaft journaled in said standards, the sleeve carried by said shaft, the fork having a sliding connection with said sleeve, the spring located within the sleeve and bearing on the fork with means for varying the tension of the spring, and the roller journaled in the fork, substantially as described.

4. In a device of the class described, the combination with a table, of uprights rising therefrom, the rock-shaft journaled to said uprights, a handle connected to the rock-shaft,

a sleeve connected to the rock-shaft, a member having an arm fitting within said sleeve, a roller journaled in said member, a spring located in the sleeve and pressing against the arm whereby the roller is urged toward the table, a screw for regulating the tension of the spring, means for preventing detachment of the member from the sleeve, and stops connected to the uprights and adapted to limit the backward movement of said member.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

WILLIAM HENRY THOMPSON.

Witnesses:

JAMES E. MCHENRY,
C. E. LASSELL.