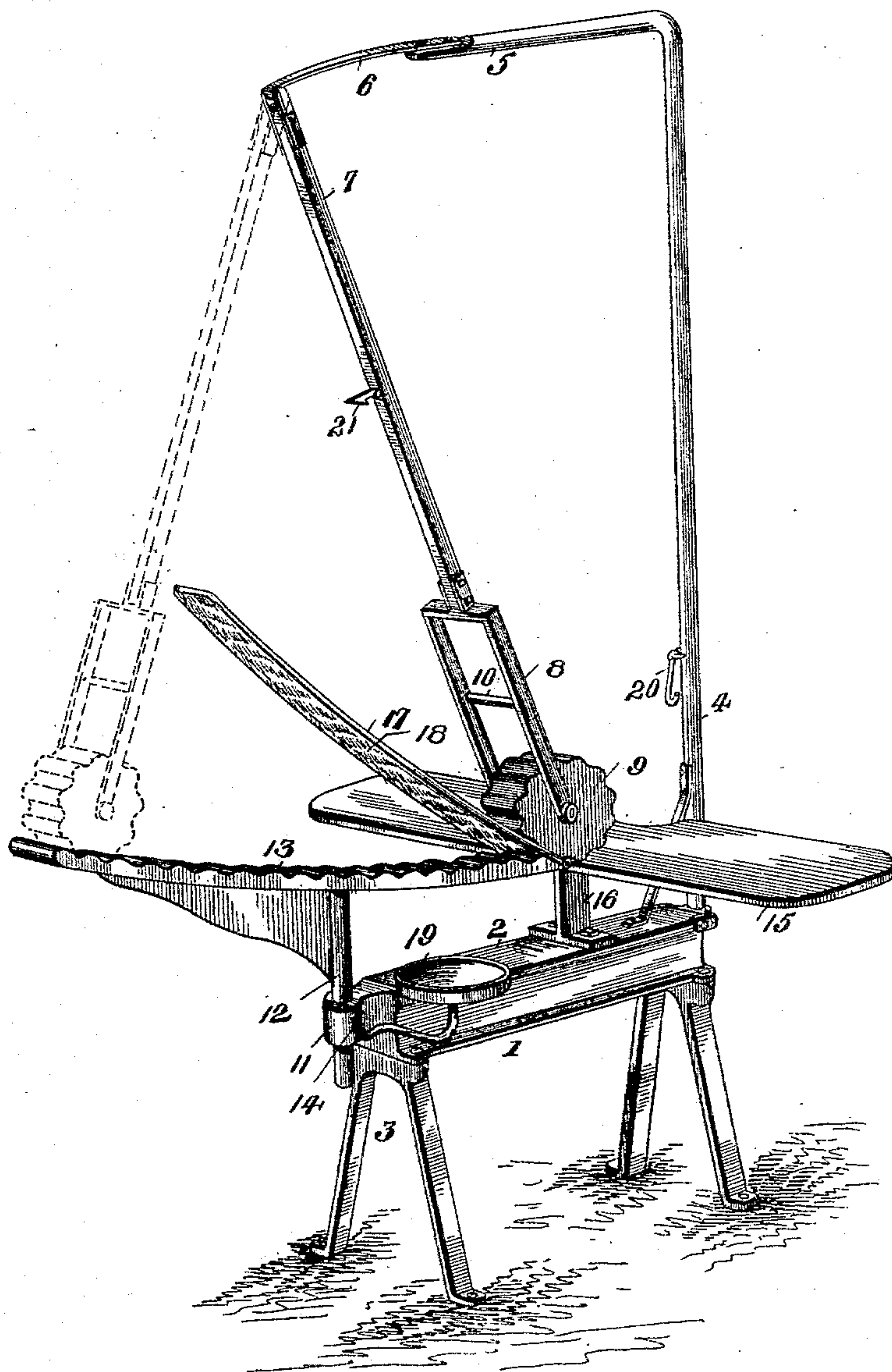


(No Model.)

G. EICHHOLTZ.
STARCHING MACHINE.

No. 545,274.

Patented Aug. 27, 1895.



Witnesses
John D. Miller
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UNITED STATES PATENT OFFICE.

GEORGE EICHHOLTZ, OF MILTON, PENNSYLVANIA.

STARCHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 545,274, dated August 27, 1895.

Application filed May 2, 1895. Serial No. 547,900. (No model.)

To all whom it may concern:

Be it known that I, GEORGE EICHHOLTZ, a citizen of the United States, residing at Milton, in the county of Northumberland and State of Pennsylvania, have invented certain new and useful Improvements in Starching-Machines, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention seeks to simplify the construction of starching-machines and provide a machine especially adapted for starching shirts, by the use of which the bosom of the shirt can be properly starched without being folded.

The invention further seeks to provide a machine which can be operated with a slight expenditure of power, all of which objects are attained by the use of the machine illustrated in the accompanying drawing; and the invention consists in certain novel features hereinafter described and claimed.

The drawing just mentioned shows a perspective view of a machine constructed in accordance with my invention.

In carrying out my invention I employ a supporting-frame 1, which consists of a body 2, mounted on the legs 3. From the back end of the body rises a standard 4, provided with a forwardly-projecting arm 5 at its upper end, to the extremity of which I secure the spring 6. The operating-lever or swinging arm 7 is pivoted to the end of this spring, as shown, and to its lower end I secure a fork or bifurcated frame 8, which carries the corrugated starching-roller 9 and is provided with a transverse handle-bar 10.

On the front end of the body I provide the sleeve 11, which receives and holds a cylindrical arm 12, on the upper end of which the starching-board 13 is mounted. A set-screw 14, mounted in the side of the sleeve, bears against the arm and holds it within the sleeve, so as to adjust the starching-board to any desired height. The starching-board is formed on the arc of a circle of which the upper pivoted end of the operating-lever is the center, and its top surface is corrugated, as clearly shown. At the back end of the starching-board is a table 15, supported by a short standard 16, rising from the body of the device, said table being adapted to receive and hold the starched shirts. Pivoted to the front

edge of the table is a U-shaped frame 17, slightly larger than the starching-board and adapted to fit around the edge of the same, so as to hold a strainer-cloth over the shirt-bosom, the said strainer-cloth consisting of a strip of any suitable textile fabric 18, secured to and stretched upon the said frame. A starch-pan 19 is secured to the front end of the body 2, so that the starch will be within convenient distance of the operator. A catch 20 is mounted on the standard 4 and adapted to engage the frame 8 to hold the starching-roller away from the starching-board when not in use, and a hook 21 is attached to the operating-lever to hold the U-shaped frame 17 under the same circumstances.

The operation of the machine will be readily understood. The shirt is placed over the starching-board and the strainer-cloth brought down over the same. The starch is then applied to said cloth by a suitable brush, and the operating-lever vibrated, so as to carry the starching-roller back and forth over the straining-cloth, thereby forcing the starch into the bosom of the shirt.

The machine is obviously simple in its construction and arrangement of parts and can be operated with a slight expenditure of force. While the machine is illustrated without extraneous operating mechanism and adapted to be operated by grasping the lever by hand, it will be readily understood that said lever may be operated by any suitable or convenient motor. As the starching-roller travels over the starching-board it forces the starch through the same and applies it to the shirt, the straining-cloth serving to reduce and remove all lumps and impurities. The lever will yield to irregularities in the thickness of the article on the starching-board, as it is hung upon a spring.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a starching machine, the combination of a support, a starching board adjustably supported at the front end thereof, said board being curved longitudinally and corrugated transversely on its upper face, a swinging frame pivoted at its rear end and adapted to surround the starching board, said frame carrying a straining cloth adapted to cover the

corrugated surface of the board, a standard rising from the support in rear of the starching board; a forwardly-projecting spring secured at the upper end of said standard, a depending lever pivoted to the forward end of said spring and carrying a corrugated roller adapted to travel over the curved corrugated surface of the starching board, substantially as described.

2. In a starching machine, the combination of a support, a horizontal starching board supported on the forward end thereof and above the same, said starching board being curved downward longitudinally and being corrugated transversely, a frame pivoted at its rear

end and adapted to fit over the starching board and carrying a straining cloth adapted to cover its corrugated surface, and an upright swinging operating lever pivoted at its upper end and carrying a corrugated roller at its lower end adapted to travel over the corrugated surface of the starching board, as and for the purposes set forth.

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

GEO. EICHHOLTZ.

Witnesses:

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