No. 659,278. Patented Oct. 9, 1900.

D. ARGERBRIGHT.

PHOTOGRAPHIC PRINT WASHER.

(Application filed Nov. 15, 1899.)

(No Model.)

Fig. 1.

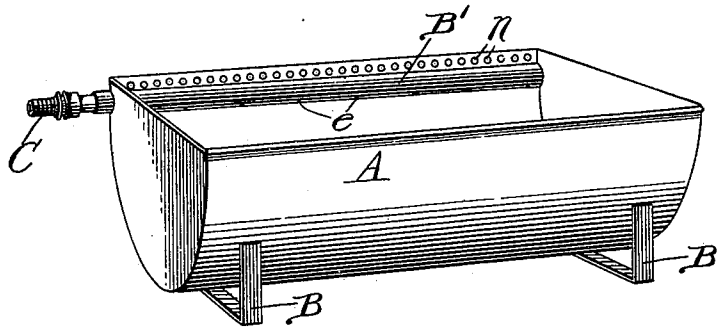


Fig. 2.

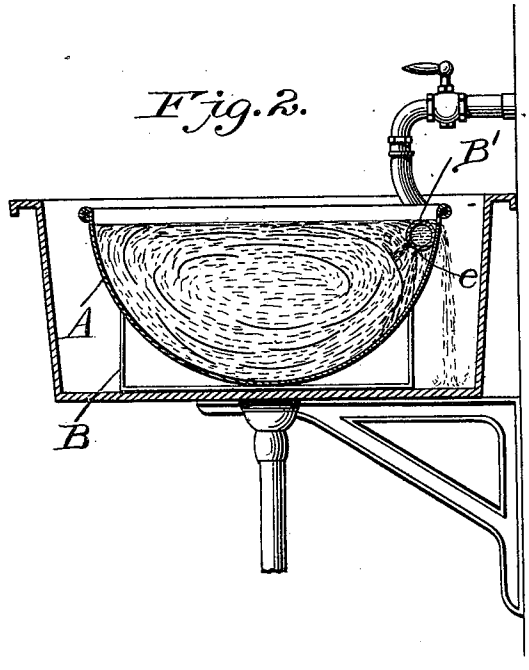


Fig. 3.



WITNESSES:

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PHOTOGRAPHIC-PRINT WASHER.

SPECIFICATION forming part of Letters Patent No. 659,278, dated October 9, 1900.

Application filed November 15, 1899. Serial No. 737,010. (No model.)

To all whom it may concern:

Be it known that I, DANIEL ARGERBRIGHT, a citizen of the United States, and a resident of Troy, in the county of Miami and State of Ohio, have invented certain new and useful Improvements in Print-Washers; and I do 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a perspective view of the invention. Fig. 2 is a transverse vertical section of the invention as in application. Fig. 3 is a detail view of the pipe B'.

This invention has relation to apparatus for washing photographic prints; and it consists in the novel construction and combination of parts, as hereinafter set forth.

In the annexed drawings the letter A designates a semicylindrical or concave bottom pan, the curve of the bottom extending, preferably, to the margin and the ends being usually plane, as shown. The pan should be provided with supports H to hold it in level position.

A longitudinal passage or pipe B extends along the upper portion of the back of the pan, being secured thereto and forming a part of the same. The coupling or nozzle C of said passage or pipe projects from the end of the pan and serves for the attachment of a piece of tubular rubber or hose connected with a water-supply. In the pipe or passage B is provided a series of perforations *e*, extending longitudinally and directed downward and inward or toward the middle portion of the curved bottom, it being designed that the jets of water from the perforations shall have a chord-like direction with reference to the curvature of the concave bottom. A second series of perforations *f*, above the perforations *e*, are also formed in the pipe B, which direct jets downwardly and inwardly against the moving prints in the vicinity of the pipe to force said prints away from the pipe B' and avoid any interference between prints and pipe.

Overflow-openings *n* are made along the marginal portion of the back of the vessel above the pipe and strengthen the rotary current of the water to aid in drawing the upper prints rearwardly through the overflow-current established thereby. The vessel being filled with water, the chord-like currents from the jets cause the water to take on a rotary motion or current, and as the prints are fed into the same they are separated and revolved with the current in such manner that each print comes in contact with fresh water. In this manner a perfect washing is designed to be effected. The overflow perforations along the marginal portion of the back wall assist the rotary motion of the water. The series of perforations *f* are arranged to direct their jets downwardly and outwardly to force the prints away from the pipe and cause them to go downwardly into the rotary current. If the jet-pipe is not attached to the back wall of the vessel, it is advisable to attach a guard to said back wall, extending over said pipe, in order to prevent the prints from passing behind the pipe in their movement.

What I claim, and desire to secure by Letters Patent, is—

The herein-described photographic-print washer, comprising the semicylindrical vessel having the longitudinal supply-pipe abutting against its rear wall at the upper portion thereof, and provided with a series of overflow perforations in its rear wall above said pipe to strengthen the rotary current to aid in drawing the prints at the upper portion of said vessel rearwardly through the overflow-current established thereby, said pipe having downwardly-directed perforations therein to direct jets downwardly against the concave bottom wall of the vessel to set up a rotary current, and downwardly and inwardly directed perforations to direct jets inwardly against the rearwardly and downwardly moving prints to force them away from said pipe, substantially as specified.

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

DANIEL ARGERBRIGHT.

Witnesses:

H. M. STEPHEN,

M. K. GAUTZ.