

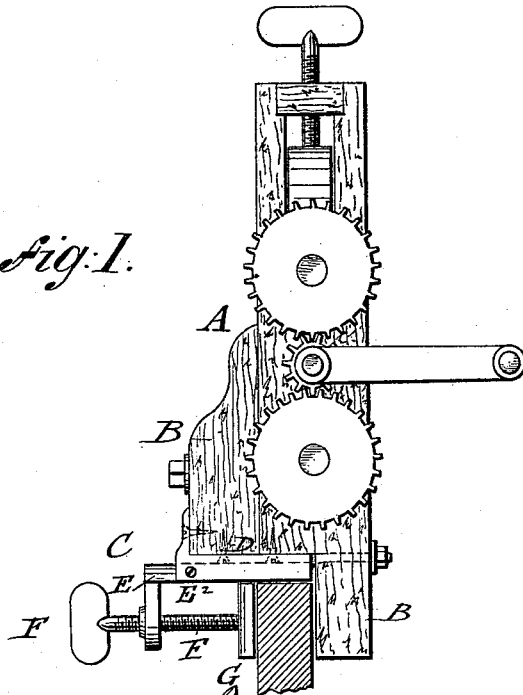
(No Model.)

O. WALSCHEID.  
EXTENSION CLAMP FOR CLOTHES WRINGERS.

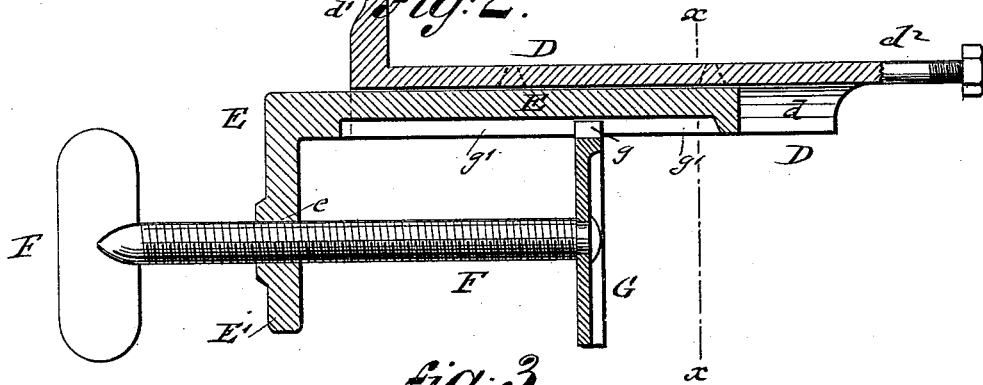
No. 419,483.

Patented Jan. 14, 1890.

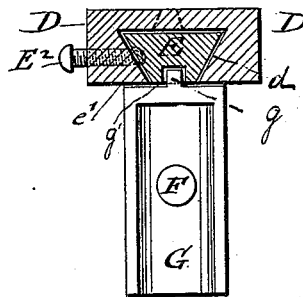
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

*A. Schehl.*  
*Carl Kary*

INVENTOR

*Otto Walscheid*

BY

*Joseph Regener*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

OTTO WALSCHEID, OF JERSEY CITY, NEW JERSEY.

## EXTENSION-CLAMP FOR CLOTHES-WRINGERS.

SPECIFICATION forming part of Letters Patent No. 419,483, dated January 14, 1890.

Application filed March 8, 1889. Serial No. 302,530. (No model.)

*To all whom it may concern:*

Be it known that I, OTTO WALSCHEID, of Jersey City, in the county of Hudson and State of New Jersey, a citizen of the United States, have invented certain new and useful Improvements in Extension-Clamps for Clothes-Wringers, of which the following is a specification.

This invention relates to an improved extension-clamp for clothes-wringers, by which the wringer can be used with great facility with wash-tubs having walls of any thickness.

The object of this invention is to provide a clothes-wringer with an extension-clamp combining the properties of simplicity and cheapness of construction and facility of application.

In the accompanying drawings, Figure 1 represents a side elevation of a clothes-wringer with my improved extension-clamp. Fig. 2 is a vertical longitudinal section of the extension-clamp drawn on a larger scale; and Fig. 3 is a vertical transverse section on line  $\alpha \alpha$ , Fig. 2.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a clothes-wringer of any approved construction, the side standards B of which are provided at their lower recessed ends with extension-clamps C. Each extension-clamp C is constructed of a guide-piece D, which is provided with a longitudinal dovetailed groove  $d$ , and which is attached by an upwardly-extending front piece  $d'$  and a bolt-shaped rear part  $d''$  to the lower recessed part of each standard B of the clothes-wringer A. Into the grooved guide-piece D is placed an extension-slide E, which is also made of dovetailed cross-section, so as to correspond to the shape of the guide-groove  $d$ . The extension-slide E is provided at its front end with a downwardly-extending bracket or head  $E'$ , which is provided with an interiorly-threaded perforation for the screw-bolt F. The rear end of the thumb-screw F is swiveled to a clamping-piece G, which is provided at its upper end with a lug  $g$ , that is guided in a longitudinal groove  $g'$  of the extension-slide E, as shown

clearly in Figs. 2 and 3. The extension-slide E is secured to the guide-piece D by a clamping-screw  $E^2$ , as shown in Figs. 1 and 3, said clamping-screw engaging depressions  $e'$  at one side of the dovetailed extension-slide E, so as to rigidly secure the latter after adjustment to any partition or wall of a wash-tub, whatever its thickness, while the final adjustment is given by the adjustable clamping-piece G, as shown in Fig. 1. By interposing the extension-slide between the fixed guide-piece and the adjustable clamp my improved extension-clamp can be applied to any size or thickness of wall and to any kind of tub by simply adjusting, first, the extension-slide and then the clamp by means of its thumb-screw. A clothes-wringer with my improved extension-clamp is thereby adapted to be applied to any tub, whatever be the thickness of its partition or wall.

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

1. The combination, with the frame of a clothes-wringer, the standards of which are recessed at their lower ends, of horizontal guide-pieces having upright flanges at their front ends and bolt-shaped extensions at their rear ends extending through said standards and provided with nuts for clamping the guide-pieces to the standards, said guide-pieces being provided on their under sides with horizontal dovetailed grooves, extension dovetailed slides movable in the grooves of said guide-pieces and provided at their front ends with dependent brackets and on their under sides with longitudinal grooves, set-screws in said guide-pieces for holding the extension-slides in fixed positions therein, clamping-screws extending through said brackets, and clamping-plates on the inner ends of said screws, said clamping-plates being provided at their upper ends with lugs which move in the grooves of the extension-slides, substantially as described.

2. A clamp for a clothes-wringer, consisting of a horizontal guide-plate provided with an upright arm at its front end, a bolt-shaped rear end having a nut and a dovetailed groove on its under side, an extension dovetailed slide adapted to slide in said dove-

tailed groove and provided with a dependent bracket at its front end, a set-screw in said guide-piece for holding said slide in different positions thereon, and a clamping-  
5 screw in said bracket, substantially as described.

In testimony that I claim the foregoing as

my invention I have signed my name in presence of two subscribing witnesses.

OTTO WALSCHEID.

Witnesses:

PAUL GOEPEL,  
MARTIN PETRY.