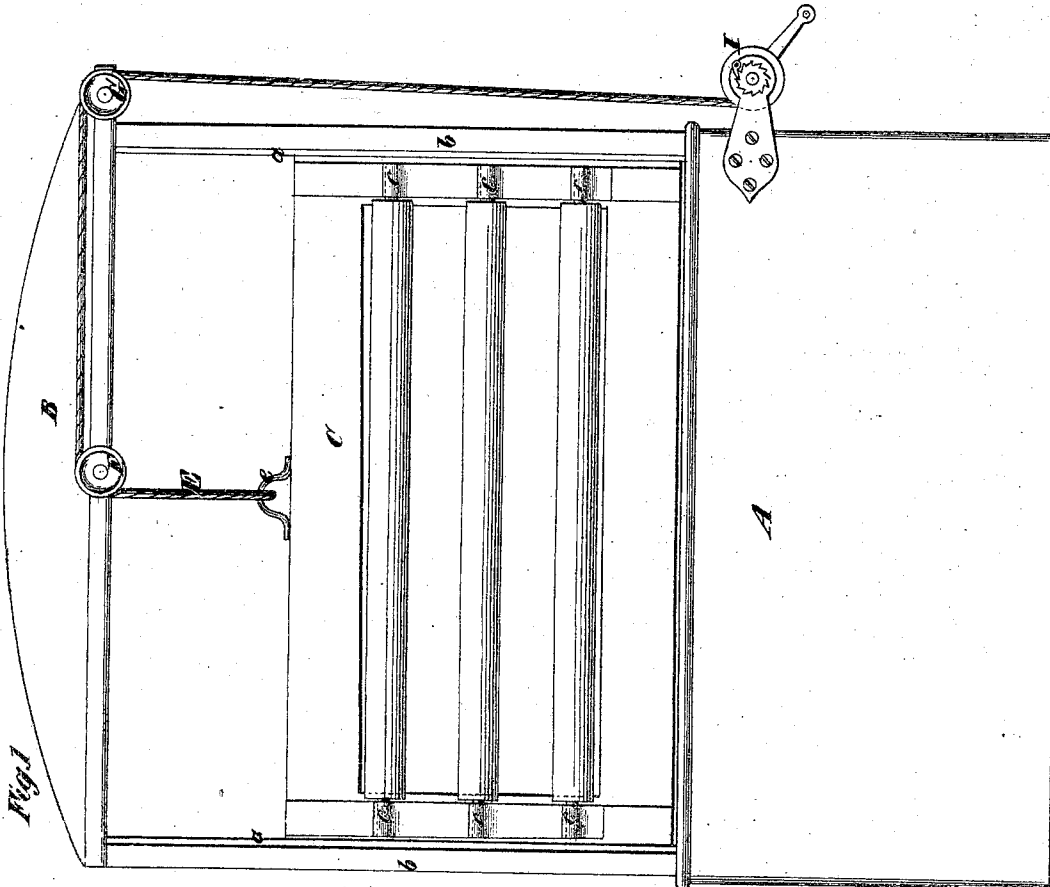
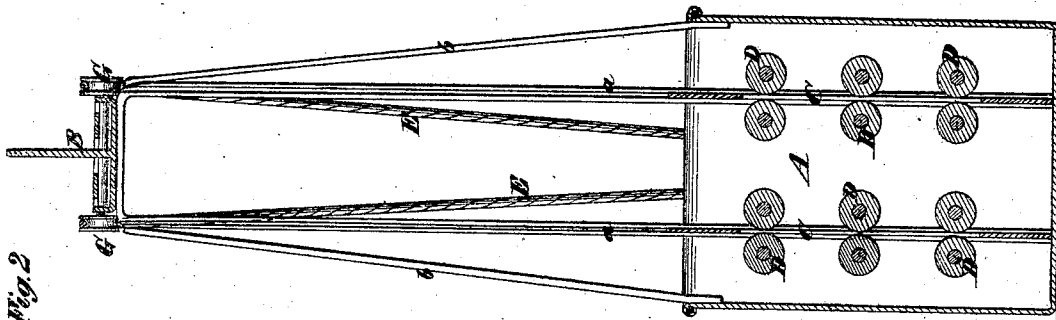


SAMUEL CRUMP.

Apparatus for Cleaning and Preserving Printer's Rollers.

No. 120,043.

Patented Oct. 17, 1871.



Witnesses.
Daniel J. Parker
Henry E. Hetcher

Samuel Crump

UNITED STATES PATENT OFFICE.

SAMUEL CRUMP, OF BROOKLYN, NEW YORK.

APPARATUS FOR CLEANING AND PRESERVING PRINTERS' ROLLERS.

Specification forming part of Letters Patent No. 120,043, dated October 17, 1871.

To all whom it may concern:

Be it known that I, SAMUEL CRUMP, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Apparatus for Cleaning and Preserving Printers' Rollers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing forming part of this specification.

This invention consists in the combination of a sliding rack or racks in which the rollers are placed when not in use, and a bath over which said rollers are arranged and in which they are lowered by a windlass into oil or other liquid, whereby they are cleaned and kept soft so as to be always ready for use, and at the same time are protected from rats and other vermin, and also from the shrinkage which results from exposure to the atmosphere.

In the accompanying drawing, Figure 1 is a front elevation of my apparatus, and Fig. 2 is a transverse section of the same.

Similar letters of reference indicate corresponding parts in both figures.

A is the bath, which is made of either wood or metal, and has secured to each end on its inner side two upright ways, *a a*, which project some distance above the bath and are secured at their upper ends to a frame, B, that is supported by four posts, *b b*, extending from the bath A. C C are two racks, provided with hook-like bearings, *c c*, for the journals of the rollers D D and arranged to slide up and down in the ways *a a*. Each of these racks has attached to a loop, *e*, on the middle of its upper edge, the end of a rope,

E, which is passed over pulleys F and G and secured to a windlass, I, supported in suitable bearings at the end of the bath and provided with a pawl and ratchet by which it is locked in any position, and the racks thereby supported.

Heretofore, after use, rollers have usually been washed with turpentine and left in racks till next used, and when thus treated the rollers are apt to dry and crack on account of shrinkage and before being again used have to be softened; they are, moreover, very liable to be eaten by rats. By the use of my apparatus all these difficulties are obviated, the rollers being simply placed in the racks and submerged in the liquid bath and kept there till they are next used.

When thus kept they remain soft and on being wiped are ready for use, and any ink which may have been freed from them will be deposited on the bottom of the bath, and by running off the liquid may be taken and used again, thus saving a great deal of ink.

If preferred the rack may be of circular instead of straight form.

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

An apparatus for cleaning and preserving printer's rollers, consisting of the racks C C, guides or ways *a a*, and bath A for containing oil or other liquid, the whole combined, arranged, and organized substantially as and for the purpose herein set forth.

SAML. CRUMP.

Witnesses:

DANIEL I. RIKER,
HENRY E. KETCHAM.

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