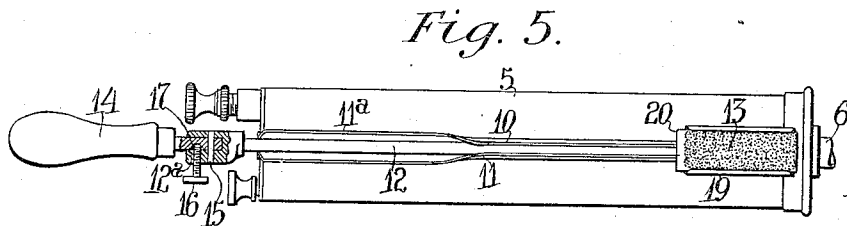
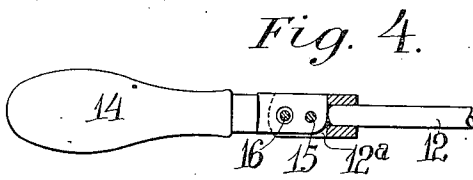
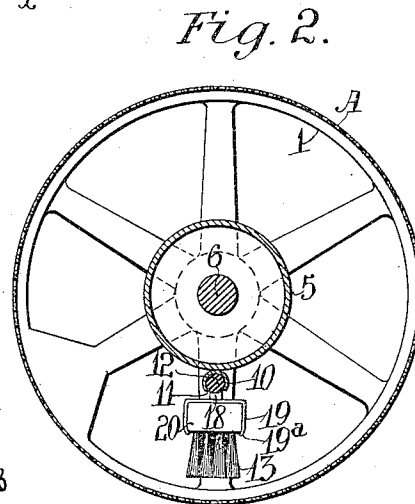
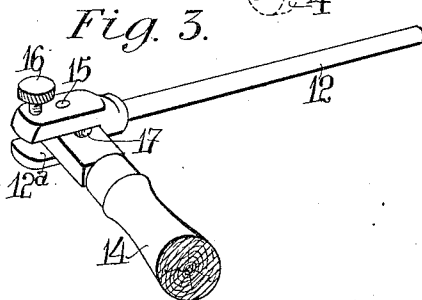
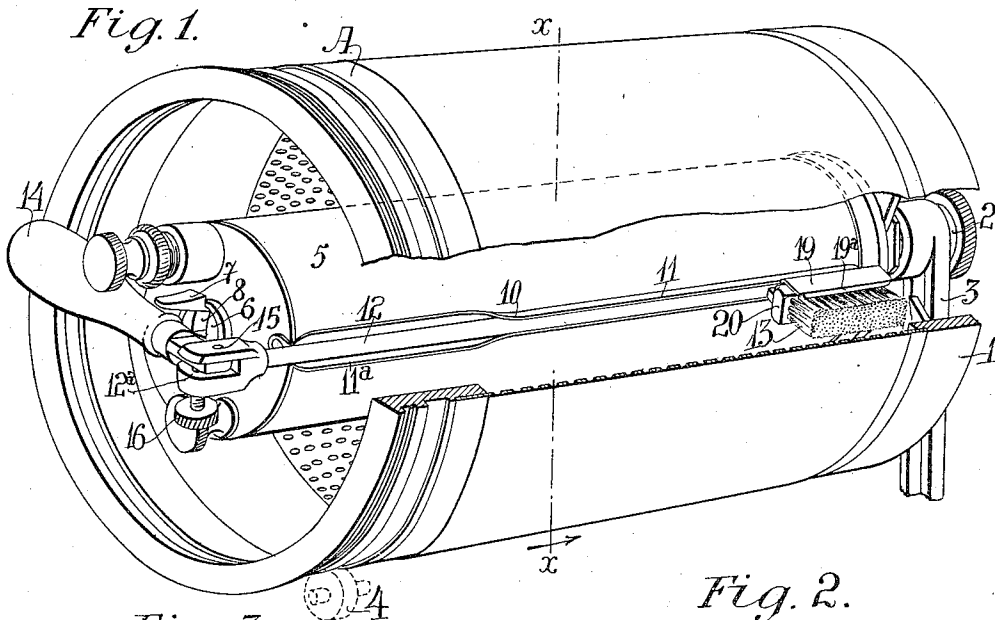


S. T. SMITH, JR.  
STENCILING MACHINE.  
APPLICATION FILED OCT. 26, 1909.

1,064,672.

Patented June 10, 1913.



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# UNITED STATES PATENT OFFICE.

STEPHEN T. SMITH, JR., OF STAMFORD, CONNECTICUT, ASSIGNOR TO UNDERWOOD TYPEWRITER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE.

## STENCILING-MACHINE.

1,064,672.

Specification of Letters Patent.

Patented June 10, 1913.

Application filed October 26, 1909. Serial No. 524,596.

*To all whom it may concern:*

Be it known that I, STEPHEN T. SMITH, Jr., a citizen of the United States, residing in Stamford, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Stenciling-Machines, of which the following is a specification.

This invention relates to stenciling machines, and more particularly to an ink distributor or spreader and to the means for disposing of said distributor when not in use.

An object of the invention is to simplify and render less expensive the construction of the ink distributor and to increase the general efficiency thereof, and at the same time provide a convenient holder for supporting it while not in use.

I provide an ink distributor or spreader which is preferably, but not necessarily, made in two sections pivoted together, one section being in the form of a handle and the other section comprising an arm or rod having upon its free end a brush or wiper; and I further provide the ink fountain, which is herein shown as a cylindrical box extending nearly the entire length of the stencil cylinder, with a holder or sheath, which is disposed longitudinally therewith, and designed to receive the arm or rod of the distributor, said holder or sheath having a contracted inner portion which forms a socket for receiving and retaining the rod of the distributor, and an open or expanded portion at its opposite or outer end, for facilitating the entrance to or removal of the distributor from the socket.

The brush is normally held out of contact with the inner face of the stencil cylinder, and it may readily be removed for use in distributing the ink upon the inner face of the cylinder, or to ink the outside of the ink mat whenever, by lack of use, there may be a hardening or crusting of the old ink thereon.

The handle section may be turned on its pivot to a position at approximately right angles to its connected rod, to render it compact, or brought into extended position to increase the length of and thereby give greater scope and efficiency to the distributor; and a locking means may be provided for locking the handle section in either position.

In the accompanying drawings, Figure 1 is a perspective view of a stencil cylinder and ink fountain having attached thereto an ink distributor according to my invention. In this view a portion of the cylinder is broken away to more clearly show the holder and the manner in which the distributor is held therein. Fig. 2 is a transverse sectional view taken approximately on the line  $x-x$  of Fig. 1. Fig. 3 is a detail perspective view of one end of the brush carrying arm or rod and the handle, the latter being shown moved and locked in a position at right angles to the arm or rod. Fig. 4 is a detail sectional elevation showing also a portion of the brush carrying arm or rod and handle, the latter, however, being shown locked in extended relation with the arm or rod. Fig. 5 is a plan view partly in section of the ink box showing the ink distributor in its holder, and the manner in which the handle is pivoted and locked to the arm or rod.

Referring to said drawing, A designates a perforated stencil cylinder, having at one end a head 1, mounted in a journal 2, which latter is supported in a standard 3, arranged upon the base of the machine. The opposite end of the cylinder is open and usually revolves upon the trundles 4, shown in dotted lines, Fig. 1. A cylindrical ink fountain 5 is supported on a centrally-disposed stud or axle 6, the inner end of which is preferably secured to the hub of the cylinder head 1, or it may be fastened to the head 1 in any other desired or convenient manner to provide a rigid support. The fountain is held against accidental displacement by a spring latch 7, which engages the outer end of the fountain. The latch 7 works in a slot 8 located in the outer free end of the stud or axle.

Secured to the ink fountain 5 is a holder, socket or sheath 10, for the ink distributor, said sheath having an open slot 11 which extends longitudinally thereof throughout its length. Said slot, beginning from the inner end thereof and extending about half way the length of the sheath, is much narrower than at the continued or outer portion of the sheath, where it is enlarged or expanded as represented at 11<sup>a</sup> to a point approximately contiguous to and flush with the outer end of the ink fountain 5. This construction provides a tubular contracted

portion at the inner end, which serves as a socket to grip and retain the rod or arm 12 of an ink distributor, and the walls of the slot at the enlarged or expanded portion 11<sup>a</sup> by reason of their extension to and location at the front end of the ink fountain form a convenient guideway to facilitate the insertion of the brush into the socket.

The ink distributor is preferably made in two sections, one section being the rod or arm 12, which enters the sheath or holder 10, and to which is secured a brush 13, and the other section being a convenient handle 14 pivoted at 15, within an open slot 12<sup>a</sup> formed in a block or head produced on or secured to the opposite or outer end of the rod 12. Pivotal movement of the handle member 14 is permitted in one direction only, the arrangement being such that the handle may be folded in against the end of the ink fountain, as shown in Fig. 1, to economize space and permit the usual cover to be placed over the machine, but when brought into extended relation with the rod or arm 12, the end of the handle member will abut the closed end wall of the slot 12<sup>a</sup>, as shown in Figs. 4 and 5.

A locking means is provided for locking the sections in either of the positions described and as herein shown, this locking means may comprise a screw 16 provided in one side of the head, and a depression 17 produced in the handle section 14 near its pivotal point 15, so arranged relatively that when the handle is in an extended position with the rod 12, the screw may be turned so that its end will enter the recess 17 and lock it in that position, and when in the folded position shown in Fig. 1, the point of the screw may be brought into engagement with

the side edge of the handle, and so lock it in that position. To the rod 12 is connected by a neck 18, a sheet metal holder or clip 19 in which the back 20 of the brush 13 fits tightly, said clip fitting over the top and sides of the brush and turned slightly in under the bottom thereof at 19<sup>a</sup>. The clip is open at one or both ends to permit the brush to be readily detached, and a new one substituted, as required.

Variations may be resorted to within the scope of the invention.

Having thus described my invention, I claim:

1. A stenciling cylinder open at one end and having a perforated body, and also having an interior ink fountain extending from end to end thereof, and a tubular socket or sheath secured upon said fountain and extending therealong, and adapted to receive a rod forming part of an ink-distributing brush, said sheath having a longitudinal slot adapted to receive a neck connected to said rod.

2. A stenciling cylinder open at one end and having a perforated body, and also having an interior ink fountain extending from end to end thereof, and a tubular socket or sheath secured upon said fountain and extending therealong, and adapted to receive a rod forming part of an ink-distributing brush, said sheath having a longitudinal slot adapted to receive a neck connected to said rod, and said slot enlarged or flaring at its outer end.

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