

No. 717,239.

Patented Dec. 30, 1902.

C. B. MELLEN.

CHANGER FOR INKING APPARATUS FOR PRINTING PRESSES.

(Application filed May 20, 1902.)

(No Model.)

Fig. 1

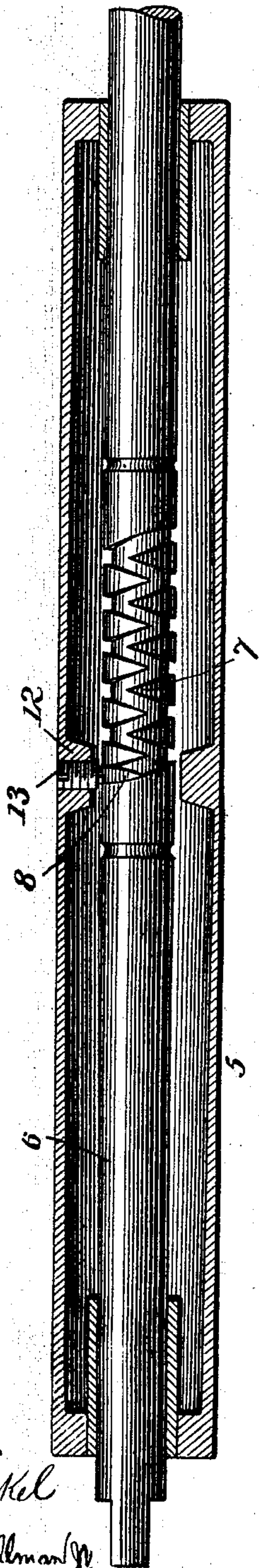


Fig. 3.

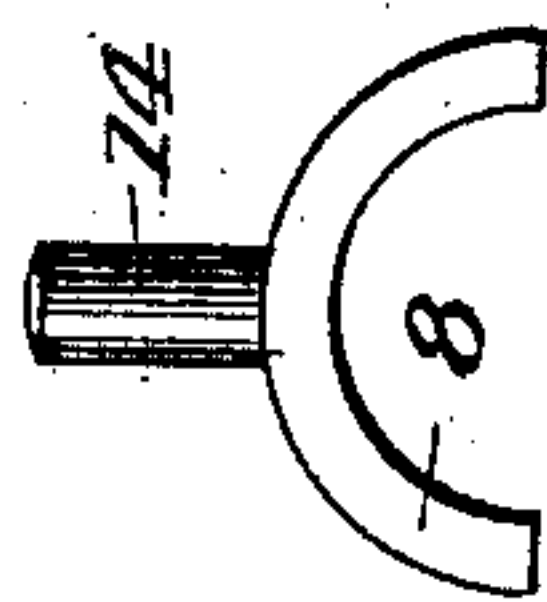


Fig. 2

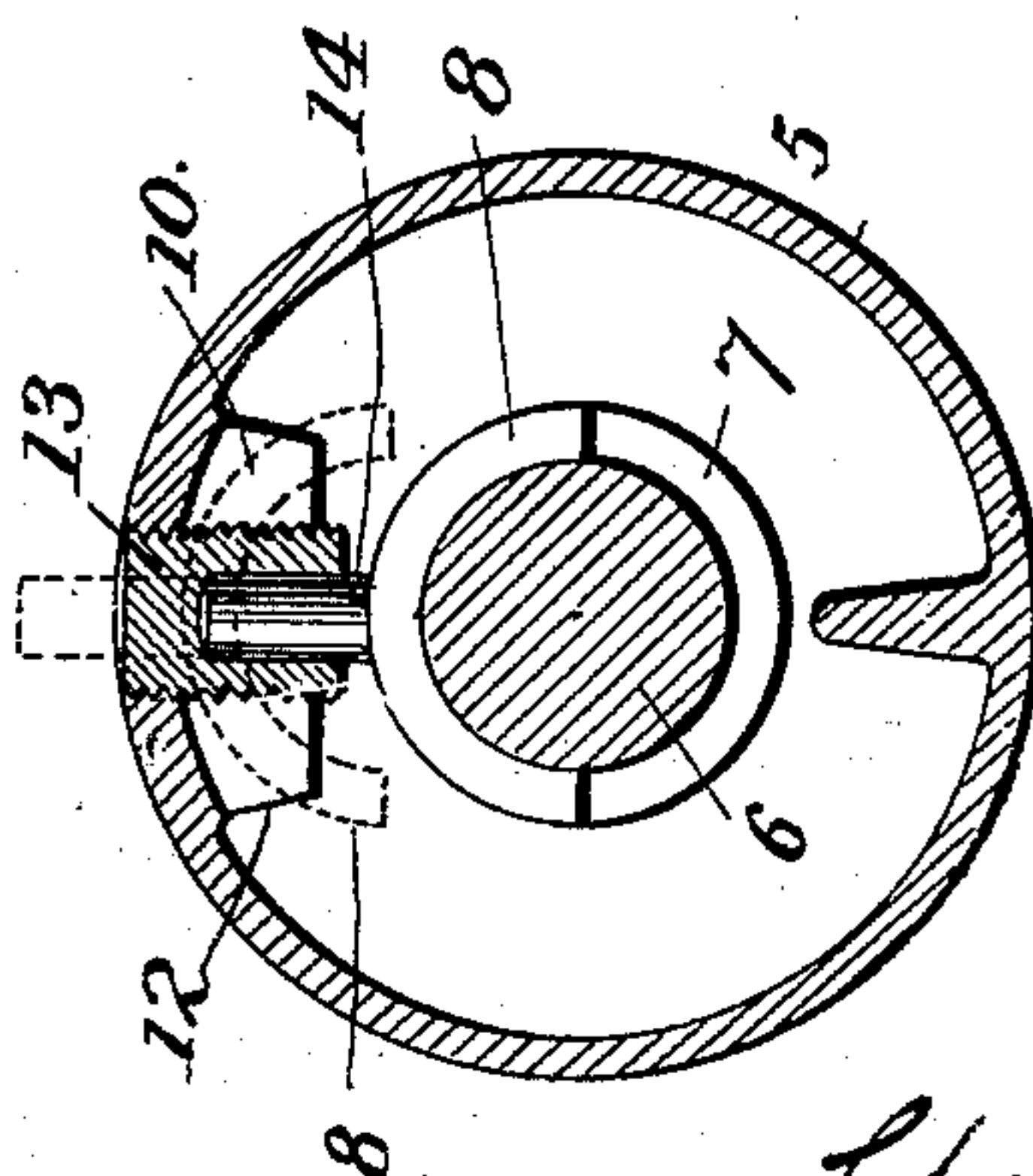
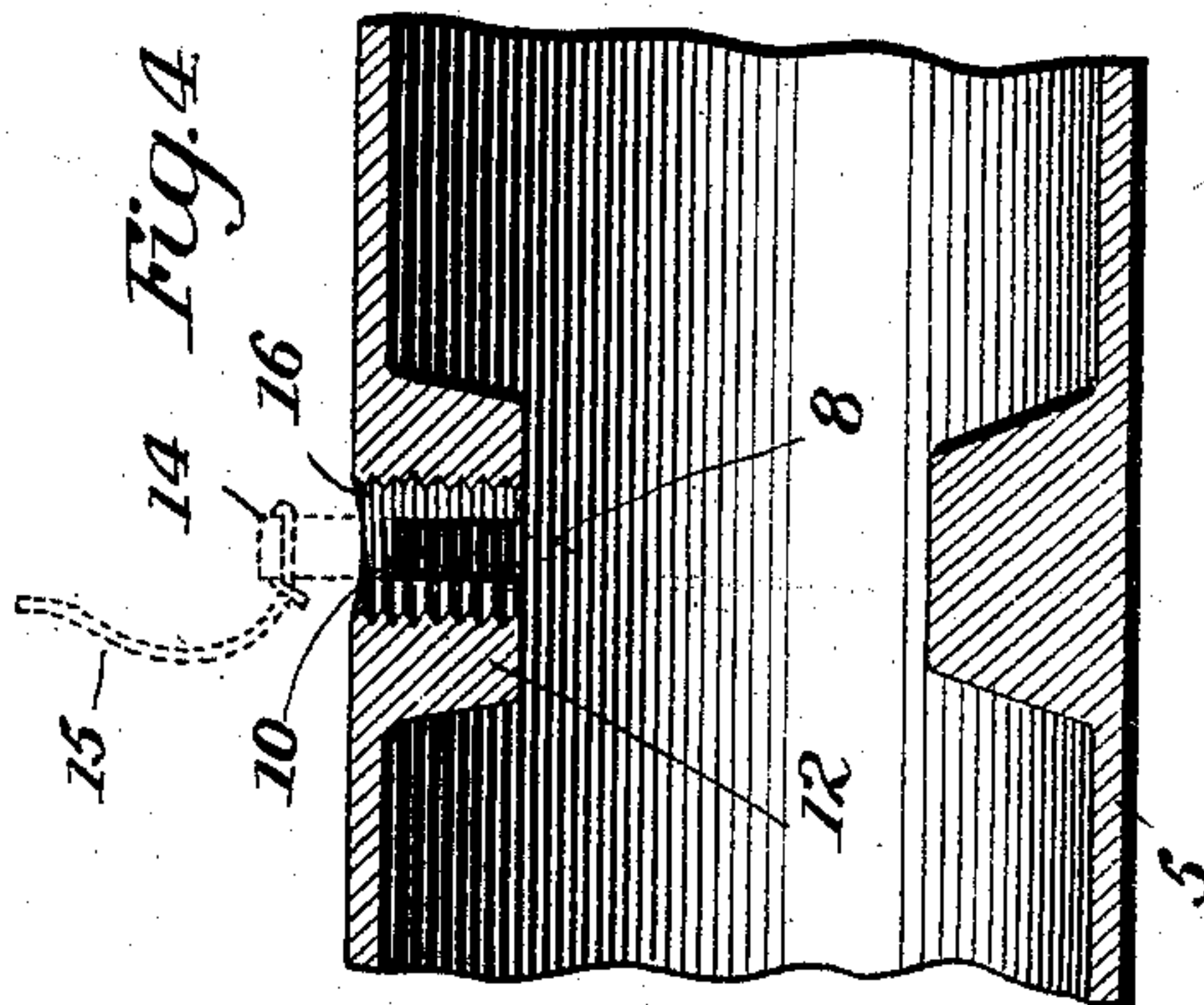


Fig. 4



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UNITED STATES PATENT OFFICE.

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CHANGER FOR INKING APPARATUS FOR PRINTING-PRESSES.

SPECIFICATION forming part of Letters Patent No. 717,239, dated December 30, 1902.

Application filed May 20, 1902. Serial No. 108,200. (No model.)

To all whom it may concern:

Be it known that I, CHARLES BURR MELLEN, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Changers for Inking Apparatus for Printing-Presses, of which the following is a specification.

My invention relates to ink-distributing devices for printing-presses, and more particularly to the self-contained type of distributing-rollers known as "changers;" and it has for its object to improve the construction thereof with the view of reducing the cost of manufacture and the facility of its assembly.

In the accompanying drawings, Figure 1 is the longitudinal section of a changer embodying the several elements of my invention. Fig. 2 is an enlarged transverse section on the line 2 2 of Fig. 1. Fig. 3 is an enlarged detail side view of the crescent. Fig. 4 is an enlarged detail view of a portion of the changer-sleeve.

Referring to the accompanying drawings, 5 represents a changer-sleeve, which is made in one piece and is provided with proper bearings for the changer-shaft 6, which, as is well known, is usually secured to some portion of the inking apparatus of a printing-press, the sleeve rotating upon the shaft and at the same time traveling back and forth thereon to produce the well-known distributing effect of the ink. The shaft 6 is provided with the usual duplex or cross screw-thread 7, which a switch or pivoted crescent 8 engages to cause the reciprocation of the sleeve, all in a well-known way.

When it is desirable that the sleeve be integral and with the duplex or cross thread disposed entirely within the interior of the sleeve, it is necessary to provide a construc-

tion whereby the switch or crescent can be inserted and be properly adjusted in or removed from the screw-thread. In order to accomplish this I provide a slot 10 in the inside boss 12, in which the hollow screw 13, which acts as a bearing for the spindle 14 on the crescent, is secured.

When the screw-shaft and the hollow screw are removed, as (see Fig. 4) by introducing a string, as 15, or a piece of flexible wire through the opening 16 and attaching thereto a crescent, it may then be drawn into the sleeve and up into the slot 10, in which position (see the dotted lines of Fig. 2) the screw-shaft may be passed into its bearings in the sleeve, as during this time the crescent cannot interfere with the insertion or removal of the screw-shaft; but when the screw-shaft will have been inserted the crescent may then be placed in engagement with the cross-thread and the hollow screw may be inserted to close the opening and act as a bearing for the spindle of the crescent. In this wise the crescent does not require to be made in two parts, the advantage of which will be obvious.

I claim—

The combination with a crescent, a hollow screw, a changer-shaft and a changer-sleeve, of a threaded and slotted hub in the interior of the sleeve acting as a bearing for the hollow screw, which upon its removal, permits the crescent to be drawn outwardly into the slot, whereby to disengage the changer-shaft, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES BURR MELLEN.

Witnesses:

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