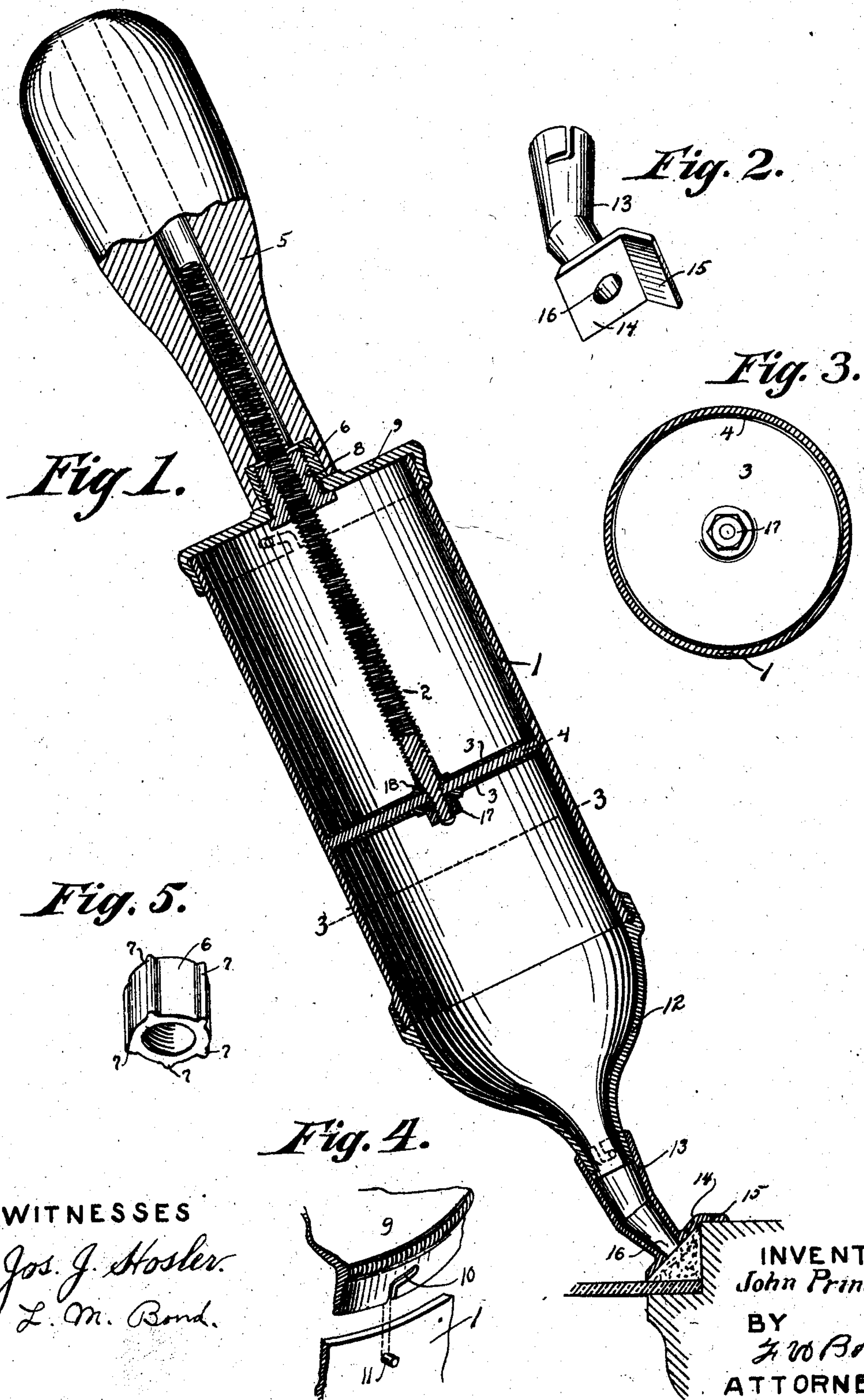


No. 796,246.

PATENTED AUG. 1, 1905.

J. PRINTZ.
GLAZIER'S TOOL.
APPLICATION FILED MAR. 15, 1905.



WITNESSES

Jos. J. Hosler.
L. M. Bond.

INVENTOR
John Printz.

BY
L. M. Bond
ATTORNEY

UNITED STATES PATENT OFFICE.

JOHN PRINTZ, OF MASSILLON, OHIO.

GLAZIER'S TOOL.

No. 796,246.

Specification of Letters Patent.

Patented Aug. 1, 1905.

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To all whom it may concern:

Be it known that I, JOHN PRINTZ, a citizen of the United States, residing at Massillon, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Glaziers' Tools; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the numerals of reference marked thereon, in which—

Figure 1 is a longitudinal section of the tool except the portion of the handle which is shown full and illustrating the tool applied to use. Fig. 2 is a detached view of the putty-distributing plate and its shank. Fig. 3 is a full section taken on line 3-3, Fig. 1. Fig. 4 is a view showing a portion of the cylinder-cap and showing a portion of the cylinder. Fig. 5 is a detached view of the thimble.

The present invention has relation to glaziers' tools; and it consists in the novel construction hereinafter described, and particularly pointed out in the claims.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, 1 represents the putty-holding receptacle, which is preferably cylindrical and formed of any desired size, reference being had to the proper manipulation of the tool. To the screw-threaded shaft 2 are attached the metal disks 3, which metal disks are formed of a diameter somewhat less than the diameter of the receptacle 1, and between the disks 3 is located the packing-disk 4, which packing-disk is formed of any suitable pliable material. The plates 3 and the disk 4 constitute what might be termed a "plunger" or "push-head."

To the handle 5 is attached the thimble 6, which thimble is provided with the ribs 7, which ribs are for the purpose of causing the thimble 6 to rotate with the rotation of the handle for the purpose hereinafter described. Within the thimble 6 is located the flanged sleeve 8, which flanged sleeve is provided with internal screw-threads, which internal screw-threads receive the screw-threads upon the shaft or bar 2. To the receptacle 1 is attached the cap or cover 9, which cap or cover is provided with any desired number of bayonet-slots 10, which bayonet-slots are for the purpose of receiving the pins 11, located upon the outer surface of the receptacle 1, said slots and pins being for the purpose of se-

curely connecting the cap or cover 9 to the receptacle 1. The receptacle 1 is provided with the detachable extension 12, to which extension is attached the nozzle 13 by means of pins and bayonet-slots or their equivalents. To the end of the nozzle 13 is attached or fixed the putty-distributing plate 14, which putty-distributing plate is provided with the guide-flange 15. In use the extension 12 may be removed or the cap or cover 9, together with the handle and the parts connected thereto, removed and the receptacle 1 supplied with a quantity of putty, after which the different parts are brought into substantially the position illustrated in Fig. 1, but of course the plunger proper being located at first with reference to the quantity contained in the receptacle. When it is desired to force putty through the nozzle 13, the handle is rotated in the direction that will force the plunger toward the nozzle end of the receptacle, thereby forcing a quantity of putty through the aperture 16, at which time the putty is distributed upon the window-frame or other object to which it is desired to secure a pane of glass, it being understood that by rotating the handle the proper amount of putty can be forced through the apertures 16 from time to time and afterward spread or brought into proper position to secure a pane of glass.

It will be understood that when the plunger is moved forward there will be a certain amount of back pressure, and in order to provide for this the sleeve 8 is provided with the flange 17, which flange is located upon the inner face of the cap or cover 9, as illustrated in Fig. 1, which flange may be of any desired form; but I prefer to form the same angular, so that a wrench may be applied. This feature, however, has no reference to the present invention, and hence is not illustrated. It will be understood that the handle 5 should be formed hollow, so as to provide room for the screw-threaded shaft or bar 2 as said bar is moved in the direction to bring the plunger toward the cap or cover 9. For the purpose of properly connecting the plunger to the screw-threaded shaft or bar 2 the nut 17 is provided or its equivalent, which nut is located substantially as shown, and for the purpose of holding the plunger in the opposite direction the screw-threaded bar or shaft 2 may be provided with the shoulder 18. This, however, is simply mechanical, as it will be understood other means may be employed, as the only object is to fix the plunger to the

screw-threaded bar or shaft. For the purpose of causing the flanged sleeve to rotate with the rotation of the thimble 6 and the handle the screw-threads formed upon the outer periphery of the flanged sleeve and the inner periphery of the thimble 6 should be of opposite pitch from the pitch of the screw-threads of the shaft 2 and the inner periphery of the flanged sleeve 8, or, in other words, one should be right-hand and the other left-hand screw-threads.

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

1. In a glazier's tool, the combination of a receptacle formed in sections, one of the sections being provided with a nozzle, and a spreading-plate secured to said nozzle, a plunger secured to a screw-threaded shaft, a cap secured to the opposite end of the receptacle from that to which the nozzle is attached, a handle formed hollow, a thimble fixed to the handle and rotatable therewith, a flanged

sleeve secured to the thimble and rotatable with the thimble and handle, substantially as and for the purpose specified.

2. In a glazier's tool, the combination of a receptacle, a nozzle provided with a spreading-plate, said spreading-plate provided with a guide-flange, a plunger located in the receptacle, said plunger secured to a screw-threaded shaft, a handle adapted to receive a portion of the screw-threaded shaft, a thimble secured to the handle and adapted to rotate with the handle, a flanged sleeve located within the thimble and provided with internal screw-threads, and a detachable cap or cover, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN PRINTZ.

Witnesses:

JOHN A. GRAHAM,
FRANK BOTONER.