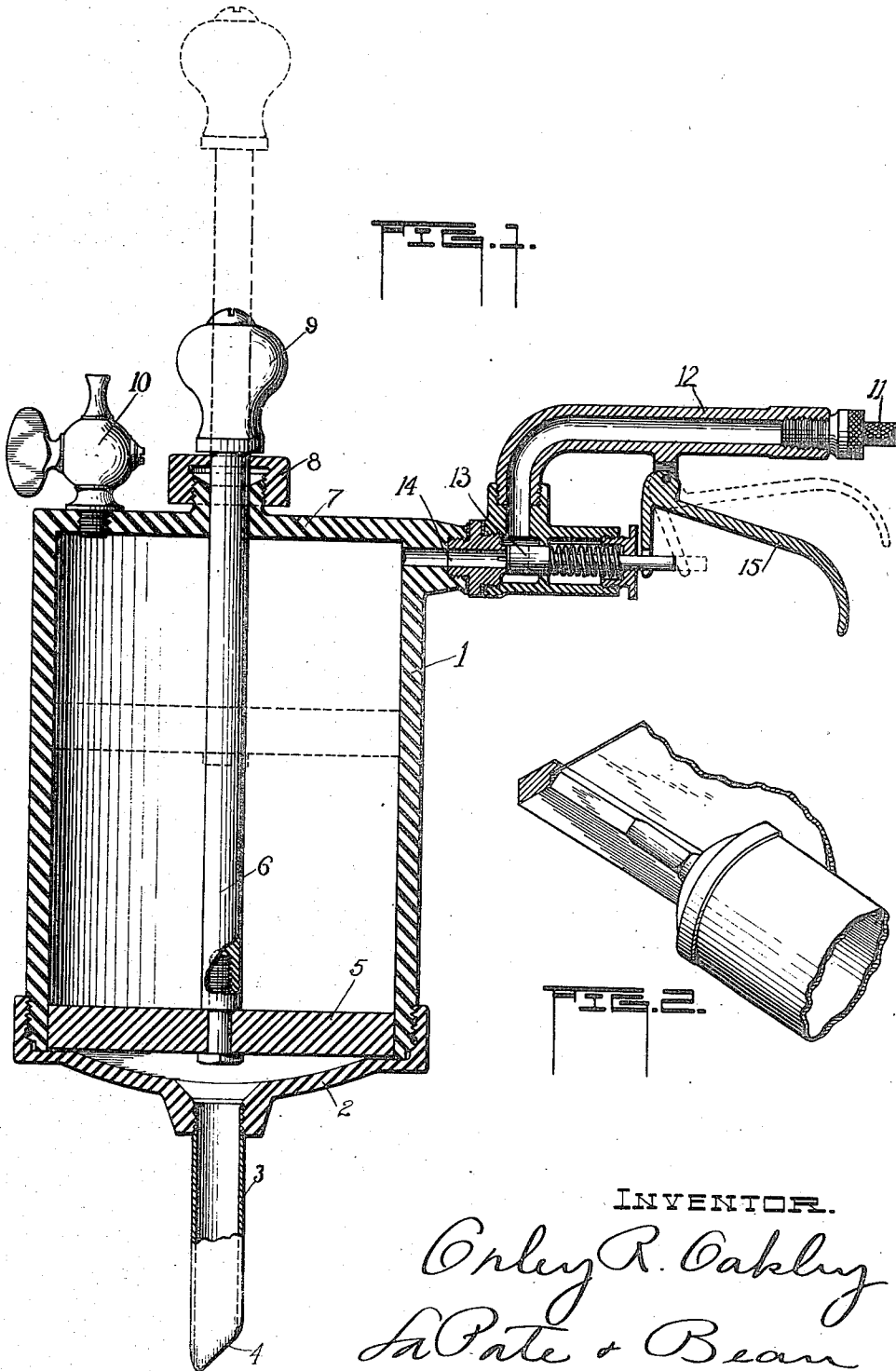


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 CALKING AND GLAZING DEVICE.
 APPLICATION FILED JUNE 18, 1917.

1,296,107.

Patented Mar. 4, 1919.



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CALKING AND GLAZING DEVICE.

1,296,107.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ORLEY R. OAKLEY, a citizen of the United States, a resident of Decatur, in the county of Macon and State of Illinois, have invented new and useful Improvements in Calking and Glazing Devices, of which the following is a specification.

My invention relates to improvements in calking and glazing devices, and particularly to a device for applying cement, glazing compound, putty or similar plastic substance used in calking, glazing, filling cracks and the like.

The principal object of this invention is the provision of a portable cylinder adapted to be held in the hand of the operator and to receive a suitable supply of the plastic substance and having a plunger adapted to be moved by suitably controlled fluid pressure so as to force the plastic substance through the nozzle into its proper position.

To the accomplishment of the foregoing and such other objects as may hereinafter appear my invention consists in the construction, combination and arrangement of parts hereinafter described, and then sought to be defined in the appended claims, reference being had to the accompanying drawing, forming a part hereof, and which shows, merely for the purpose of illustrative disclosure, a preferred embodiment of my invention, it being expressly understood however that various changes may be made in practice within the scope of the claims without digressing from my inventive idea.

In the drawings,

Figure 1 represents a vertical longitudinal section through a device constructed according to my invention, other positions of the parts in operation being indicated in dotted lines.

Fig. 2 is a perspective view, on a smaller scale, of part of the device, showing the manner of using the same in glazing.

Referring now to the drawings, the numeral 1 designates the cylindrical body of the device, having the cap 2 removably threaded thereon, the cap being provided with a suitable nozzle 3, which is also threaded thereto so that various forms of nozzles may be utilized depending upon the character of the work. This particular nozzle 3 has the flat inclined applying portion 4 for the use indicated in the drawing.

Mounted to move within the cylindrical

body 1, is the head or piston 5 attached to the end of the rod or plunger 6 which passes through the solid portion 7 of the cylindrical body and the screw threaded cap 8, having the handle member 9 thereof for the purpose of retracting the head 5 or for otherwise manipulating the same. This end 7 of the cylindrical body 1 is also provided with the relief valve 10, which is opened when it is desired to retract the plunger head 5 for filling the cylinder, this being done by removing cap 2.

The plunger is preferably moved in the cylinder by means of fluid pressure, preferably air, supplied from any suitable source by means of the tube 11, which may be flexible if necessary. This leads to the pipe member 12 shaped in the form of a handle which leads to the controlling valve 13 which controls the passage 14 into the upper end of the cylinder behind the plunger head. This valve 13 is moved to open position by means of the actuating lever 15 which is readily operated by the finger or fingers of the operator while grasping the handle 12.

In use, the operator holds the device by means of the handle 12 in one hand controlling the admission of the fluid by means of the valve so that the plastic substance is forced out of the nozzle 3. The tool is light in weight, so that it can be readily manipulated and moved by one hand. When it is necessary to recharge the cylindrical body, relief valve 10 is opened and the plunger withdrawn to the rear or upper end of the cylinder and the cylinder refilled.

If desired a portable tank having a motor with an automatic control may be furnished as part of the equipment to supply the proper fluid pressure, though as stated hereinbefore the pressure may be supplied from any source.

What I claim is:

1. A portable and manually operated calking and glazing device including in combination a cylindrical body having a removable cap and nozzle provided on one end, a plunger mounted to move in said body, said plunger having a rod extending through the other end of the cylindrical body, a handle member mounted on the last mentioned end of the cylindrical body, and having a valve controlled passage therethrough leading into said cylindrical body so as to admit fluid pressure in the rear of said plunger.

2. A device of the character described in-

- cluding in combination a cylindrical body having a removable cap and nozzle provided on one end, a plunger mounted to move in said body, said plunger having a rod extending through the other end of the cylindrical body, a handle member mounted on the last mentioned end of the cylindrical body, and having a valve controlled passage therethrough leading into said cylindrical body so as to admit fluid pressure in the rear of said plunger, and an actuating lever for said valve arranged to be operated by the fingers of the operator grasping the handle.
- 15 3. A portable and manually operated calking and glazing device including in combination a cylindrical body having a nozzle provided on one end, a plunger mounted to move in said body to express material through said nozzle, said plunger having a rod extension through the other end of the cylindrical body, a handle provided on the end of the rod, a handle member provided on the last mentioned end of

the cylindrical body and having a valve controlled passage therethrough leading into said cylindrical body to admit fluid pressure in the rear of said plunger, and a relief valve mounted in the same end of said cylinder so as to relieve the pressure therein when it is desired to retract the plunger for filling the cylindrical body.

4. A portable and manually operated calking and glazing device including in combination a cylindrical body having a nozzle at one end, a plunger mounted to move within said body, said body having an inlet near the end opposite the nozzle to admit fluid pressure behind the plunger, a supply pipe member shaped in the form of a handle and curved to lead to said inlet, a valve mounted to control the fluid pressure through said inlet, and a lever for actuating said valve pivoted to said supply pipe member so that it may be operated by the fingers of the hand of the operator grasping the handle.

ORLEY R. OAKLEY.