

June 23, 1925.

1,543,511

E. F. NIEDECKEN

VALVE TEMPLATE

Filed Feb. 12, 1925

Fig. 1.

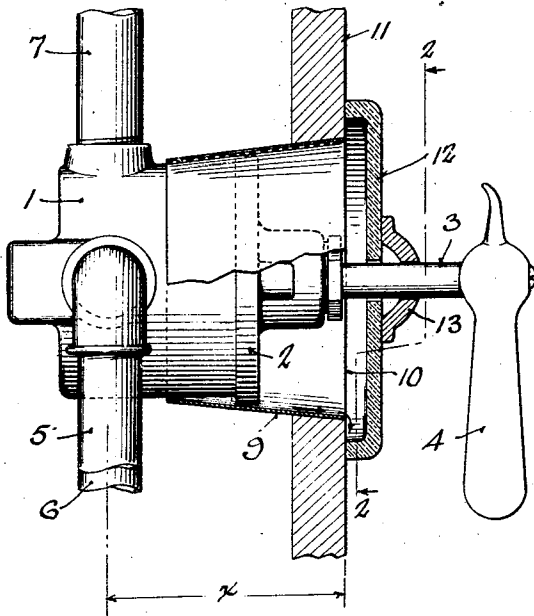


Fig. 2.

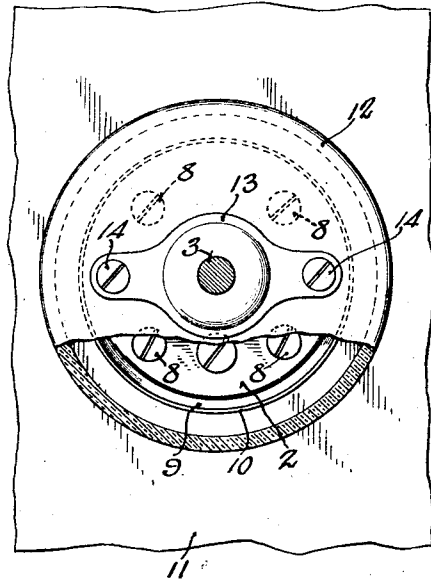
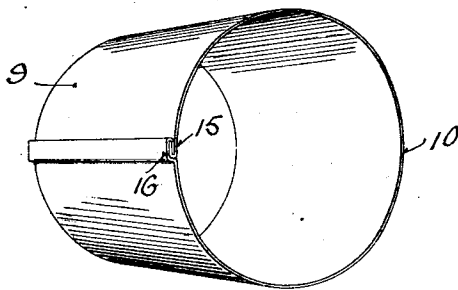


Fig. 3.



INVENTOR:

EDWARD F. NIEDECKEN.

BY

Bottom, Hudnell, Secher, and McNamee
ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWARD F. NIEDECKEN, OF MILWAUKEE, WISCONSIN.

VALVE TEMPLATE.

Application filed February 12, 1925. Serial No. 8,640.

To all whom it may concern:

Be it known that I, EDWARD F. NIEDECKEN, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Valve Templates, of which the following is a specification, reference being had to the accompanying drawing, forming a part thereof.

This invention relates to improvements in valves, and more particularly to means adapted for association therewith to provide a template for use in properly setting up the valves in buildings under construction and in forming a wall around the valve casing.

For the purpose of illustrating the invention the same has been shown and described in connection with a mixing valve of the type shown and described in my Patent No. 1,054,023, issued February 25, 1913. These valves are particularly useful for regulating the temperature of showers, and are generally installed with the plumbing of a building during construction thereof, the wall of the bathroom where the shower is to be placed, being built around the valve after installation thereof in such manner that only the actuating member of the same is exposed to view, the valve casing and pipes connected thereto being concealed back of the wall. In setting up these valves and the parts accessory thereto such as the hot and cold water pipes and the outlet pipe leading to the shower head, they are positioned so that when the wall, which may be of any suitable material such as plaster or tile, is constructed around the valve, the actuating member thereof is exposed to view. The setting-up of the valve and the construction of the wall around the same are always carried on by different workmen, the workmen or masons for constructing the wall relying upon the position of the valve and the parts accessory thereto in determining the exact position of the face of the wall. Considerable trouble has occurred heretofore for this reason, as the mason constructing the wall will frequently disregard the position of the

valve and, in fact, in some cases form the wall completely over the same so that in repairing the valve the material of the wall which has been thus inadvertently placed over the same must be chipped away in order to remove the cover of the valve casing and gain access to the working parts of the valve. This trouble occurs most frequently where the wall is made of plaster, for the reason that the plaster tends to and does flow over the valves if a certain amount of skill and discretion is not used in applying the same to the lathing or plaster base.

One of the objects of the present invention, therefore, is to provide a valve with means adapted to act as a template for use in setting up the valve in buildings under construction and in forming a wall around the valve casing, whereby unskilled workmen can properly form a wall around the valve without placing any of the material for the wall over the valve, and to adapt the said means for interlocking relation with the valve to prevent removal thereof.

Other objects and advantages will hereinafter appear.

For the purpose of illustrating the invention an embodiment thereof is shown in the drawings, in which—

Figure 1 is a side elevation, partly in section, showing the improved template applied to a mixing valve of the type shown in Letters Patent No. 1,054,023 and the manner in which the template acts as a gauge for properly positioning the wall with respect to the valve and the parts accessory thereto;

Fig. 2 is a section on line 2—2 of Fig. 1; and

Fig. 3 is a perspective view of the template.

The valve may comprise a casing 1 provided with a suitable cover 2 and suitable actuating means such as a stem 3 extending from one end of the casing and provided with a handle 4. The valve shown is a mixing valve of the type described in my above patent and has connected thereto a hot water pipe 5, a cold water pipe 6, and an outlet pipe 7 which leads to the shower head. The cover extends beyond the valve casing

1, as more clearly shown in Fig. 1, and is secured thereto by any suitable means such as screws 8.

A substantially cylindrical member or template 9 is arranged or fitted upon an end of the valve casing 1, as more clearly shown in Fig. 1, the template extending beyond cover 2. The template is preferably tapered or frustro-conical, so that after it has been arranged or fitted upon casing 1 and cover 2 applied or secured thereto, the edge of the cover which extends beyond the valve casing will engage the inner face of the template in such manner that the latter is in interlocking relation with the cover and held thereby in assembled relation with respect to the valve, as shown in Fig. 1. When template 9 is thus assembled with the valve, the distance x from the edge 10 of the template to the center lines of pipes 5, 6 and 7, is the correct distance from the center lines of the pipes to the face of wall 11. In constructing wall 11 therefore, the mason uses template 9 as a gauge and forms the wall flush with edge 10 thereof, as shown in Fig. 1. The template not only acts as a gauge in locating the face of wall 11, but prevents inadvertent placing of any material of which the wall is made over cover 2 of the valve. A suitable plate 12 may be arranged upon stem 3 against wall 11 and over the adjacent end of template 9 to provide a closure for the latter, the plate being held in position by any suitable means such as a cap 13 and screws 14 passing through the cap into cover 2 for the valve casing.

As more clearly shown in Fig. 3, template 9 may be formed of a strip of sheet metal, the edges 15 and 16 thereof being interlocked in any suitable manner to hold the template in shape.

If the valve should be improperly set up and a leak occur between certain parts thereof, template 9 will direct the water outwardly toward the face of wall 11 in the direction of the arrows in Fig. 1, so that the water will flow between plate 12 and wall 11 and down the exposed face thereof, instead of dripping from the valve casing back of the wall and doing considerable damage before presence of the leak is noticed. The template thereby also acts to give notice of any leak in the valve by directing the water issuing therefrom toward the face of the wall.

The template has been shown and described in connection with a mixing valve of the type described in my above Letters Patent, but of course it is of much broader adaptation and may be used in other connections and with valves of various other types and construction.

Various changes in the size, shape and

arrangement of the parts may be made without departing from the spirit of the invention or the scope of the claims.

The invention claimed is:

1. The combination with a valve casing, of a protecting sleeve arranged thereon and projecting forwardly thereof, said sleeve being fixed against outward displacement relatively to said casing and adapted to provide a template for use in fixing the position of the surrounding wall.

2. The combination with a valve, of means associated with said valve in interlocking relation therewith and arranged to provide a template for setting up said valve and the parts accessory thereto in proper position with respect to a wall to be built around said valve and to act as a gauge for positioning said wall during construction thereof.

3. The combination with a valve having a casing provided with a cover extending beyond the edge thereof, of a frustro-conical member arranged over said casing and cover and in interlocking relation with the latter, said member providing a template for setting up said valve and the parts accessory thereto in proper position with respect to a wall to be built around said valve and to act as a gauge for positioning said wall during construction thereof.

4. In combination, a valve having a casing provided with a cover and actuating means associated with said casing and extending from one end thereof, a member arranged upon said end of said casing and in interlocking relation with said cover, a wall constructed around an end of said member and substantially flush therewith, and means arranged upon said actuating means and over said end of said member to provide a closure therefor.

5. A template of the character described comprising a hollow substantially cylindrical member adapted to be arranged upon an end of a valve casing and to be fixed in assembled relation therewith.

6. A template of the character described comprising a hollow frustro-conical member adapted to be fitted upon an end of a valve casing provided with a cover and to interlock with said cover whereby said template is held in operative assembled relation with said casing.

7. The combination with a valve casing and cover therefor, of a frustro-conically shaped protecting sleeve having its small end fitted over one end of said casing in such wise that the cover when moved into position locks said sleeve against removal.

In witness whereof I hereto affix my signature.

EDWARD F. NIEDECKEN.