

No. 628,467.

Patented July 11, 1899.

T. C. HOWLCROFT.
DENTIST'S OR JEWELER'S DRAWER AND TRAY.

(Application filed Jan. 20, 1899.)

(No Model.)

Fig. 1.

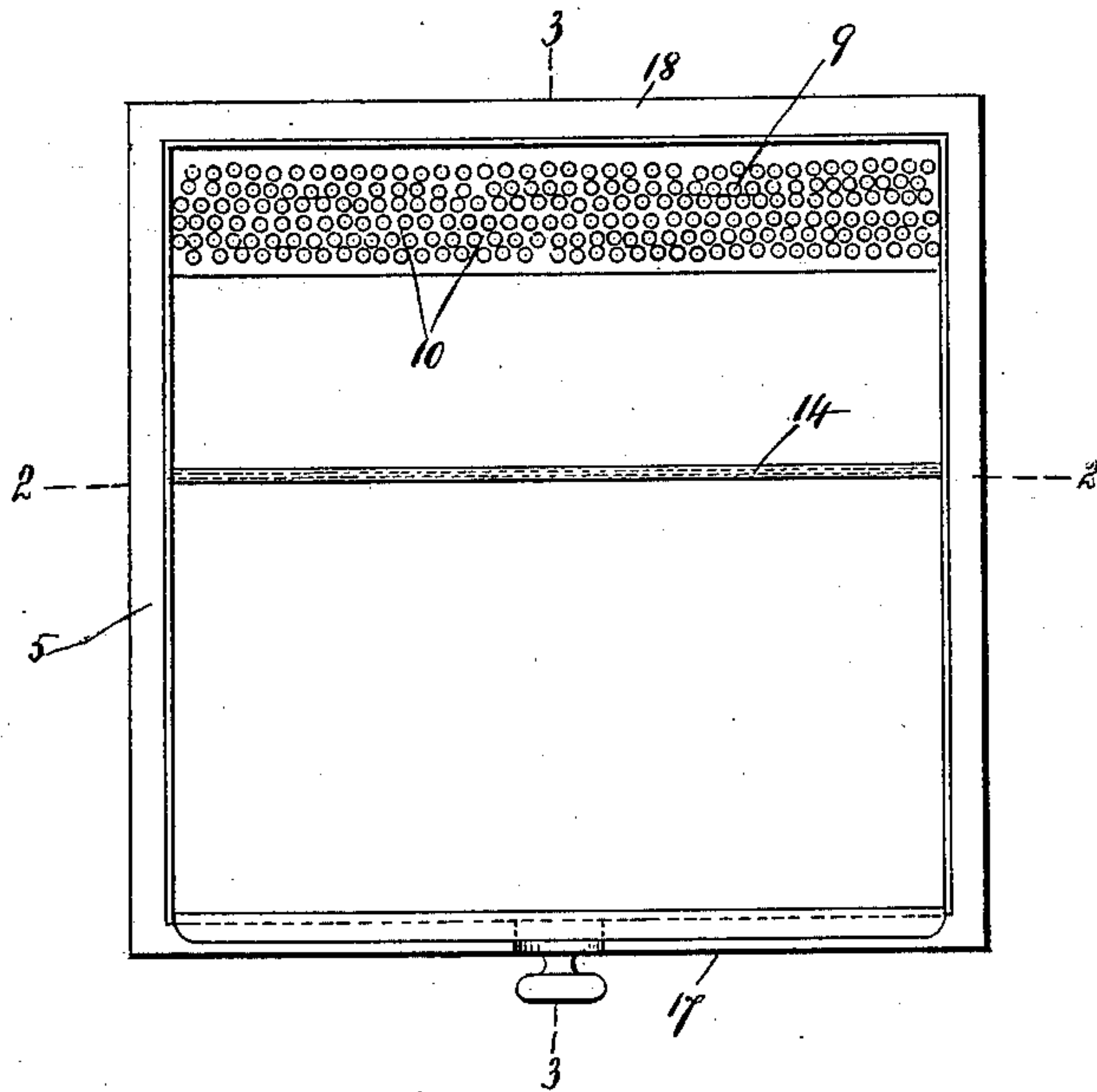


Fig. 2.

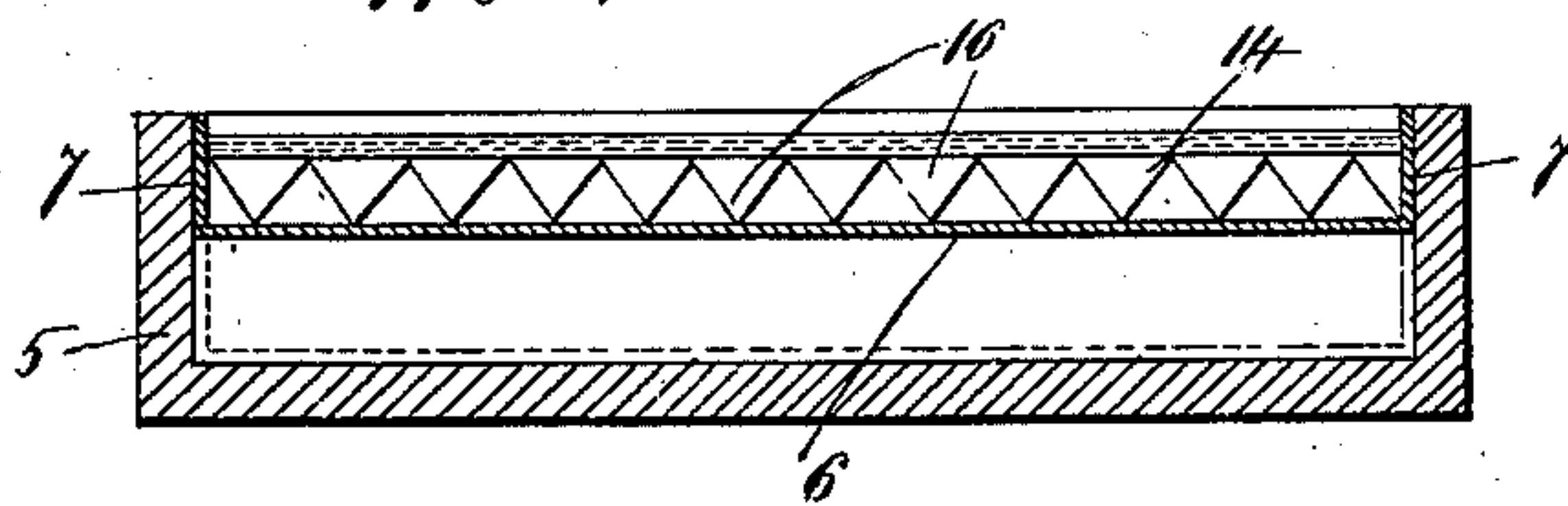
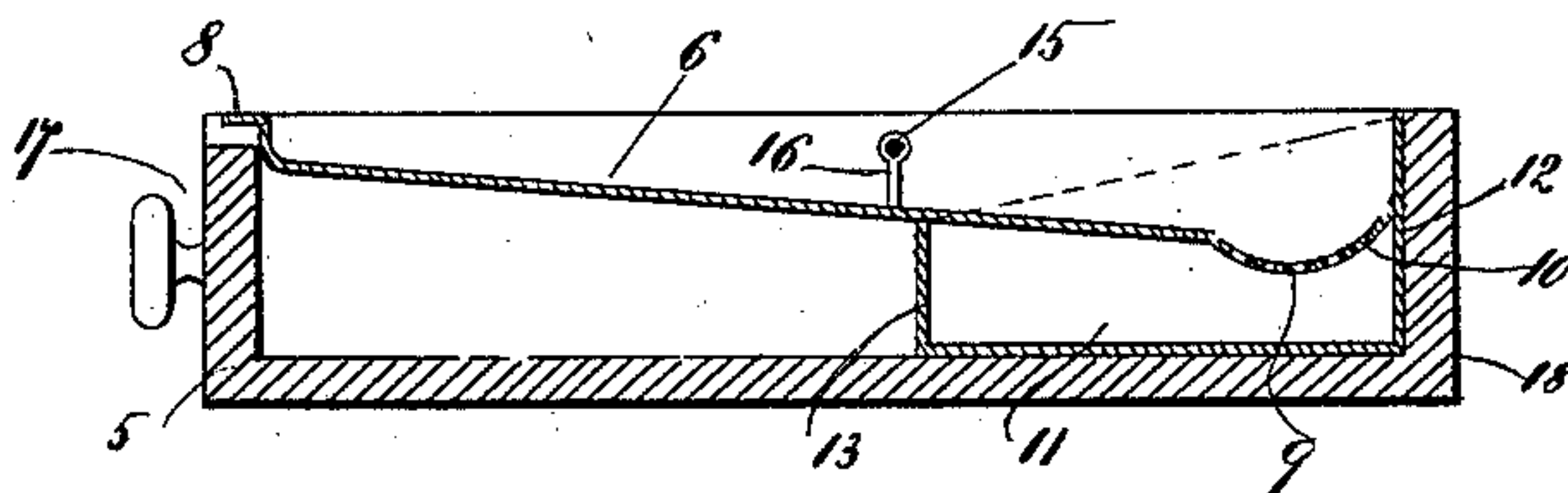


Fig. 3.



WITNESSES

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DENTIST'S OR JEWELER'S DRAWER AND TRAY.

SPECIFICATION forming part of Letters Patent No. 628,467, dated July 11, 1899.

Application filed January 20, 1899. Serial No. 702,808. (No model.)

To all whom it may concern:

Be it known that I, THOMAS CHARLES HOWLCROFT, a subject of the Queen of Great Britain, residing at Uttoxeter, in the county of Stafford, England, have invented certain new and useful Improvements in Dentists' or Jewelers' Drawers and Trays, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to dentists' and jewelers' desks or benches; and the object thereof is to provide a desk or bench with a tray or drawer provided with means for trapping and saving the filings of gold and other precious metal.

It is a well-known fact that the filings of gold and other precious metal in the shops or offices of dentists and jewelers ordinarily fall into a drawer of ordinary construction and which is not lined at all or has only a metal lining of the same shape as the drawer inside, and the filings and scrap get mixed up and have to be periodically separated by sifters.

It is a further well-known fact that the filings and other small particles accumulate at the back end of the drawer, and this is brought about by the closing of the drawer, the latter usually coming to an abrupt stop and this action serving to shake or move the filings in the direction of the rear end of the drawer.

This improvement is intended to make use of this action, and thereby to trap all the filings and hold them till the receptacle provided is full, and also to keep the pieces of scrap and other larger portions separate from the filings.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a plan view of the drawer of a desk or bench provided with my improvement; Fig. 2, a section thereof on the line 2 2, and Fig. 3 a section on the line 3 3.

In the drawings forming part of this specification the separate parts of my improvement are designated by the same numerals of reference in each of the views, and in the practice of my invention I provide a drawer 5, in which is placed a downwardly and backwardly inclined tray 6, having vertical sides

7, which closely fit the interior of the drawer, and a projecting front portion 8, which facilitates the lifting of the tray from the drawer.

The tray is provided at its rear edge with a transverse depression 9, which is perforated throughout, as shown at 10, and below which is placed a suitable receptacle 11, the rear wall 12 of which extends to the top of the drawer, and the front wall 13 is lower than the rear wall and serves as a support for the central part of the tray.

Mounted transversely of the drawer and preferably approximately over the front portion of the receptacle 11 is a guard 14, consisting of a rod 15, on which is mounted a metal plate provided with depending teeth or projections 16.

The tray 6 and the receptacle 11 may be made of any desired material—such as sheet tin, zinc, or other suitable metal—and the guard 14 may be composed of similar material.

The guard 14 may be constructed in any desired manner; but I prefer to employ the rod 15, so as to give strength and form thereto.

The front part of the drawer is shown at 17 and the rear part at 18, and the operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings and the following statement thereof.

The tray and receptacle are both removable, and the filings, scrap, or other substances fall on the tray 6 in front of the guard 14, and the movement of the drawer occasioned by pulling the same out or shoving it back into the bench or desk causes the filings to pass back beneath the guard into the depression 9 and through the perforations 10 into the receptacle 11. In this operation the scrap and other larger substances are caught by the guard 14, however, is not absolutely essential, as the perforations 10 in the rear portion of the tray would separate the filings from the scrap.

My improvement is simple in construction and operation and comparatively inexpensive and is perfectly adapted to accomplish the result for which it is intended, and by means thereof a great saving may be made in working precious metals.

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

1. A drawer for use by dentists, jewelers and others, said drawer being provided in the back thereof with a receptacle, and a downwardly and backwardly inclined tray which overlaps said receptacle, and the rear end of which is perforated, substantially as shown and described.

2. A drawer for the purpose herein described, provided with a receptacle in the rear end thereof, and a downwardly and backwardly inclined tray which overlaps said receptacle, and the rear end of which is perforated, and a transverse guard which is placed over said tray, substantially as shown and described.

3. A drawer for the purpose herein described, provided in the rear end with a receptacle, and a downwardly and backwardly inclined tray, the rear portion of which is provided with a transverse perforated depression, said tray and said receptacle being removable, substantially as shown and described.

4. A drawer provided in the rear end with

a transverse receptacle, and a downwardly and backwardly inclined tray which overlaps said receptacle, and the rear portion of which is provided with a transverse perforated depression, said tray and receptacle being removable, and the tray being provided with a transverse guard, substantially as shown and described.

5. A drawer for the purpose herein described, provided in the rear end with a transverse removable receptacle, and a downwardly and backwardly inclined removable tray, the rear portion of which overlaps said receptacle and is perforated, said tray being also provided with a transverse guard having depending teeth or projections, and the front of said tray being provided with a raised projection, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 5th day of January, 1899.

THOMAS CHARLES HOWLCROFT.

Witnesses:

HENRY ROBERT KING,

HENRY HUSON.