(No Model.)

T. SHAW.

DIE FOR CUTLERY.

No. 479,668. Patented July 26, 1892.

Fig. 2

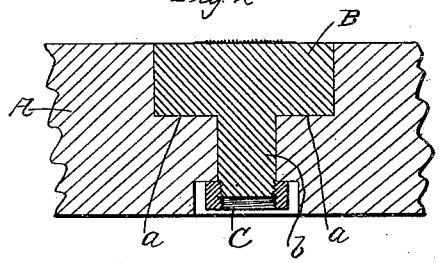


Fig. 1

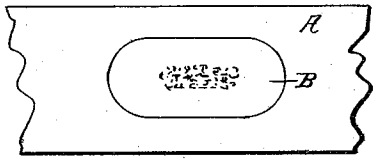


Fig. 3

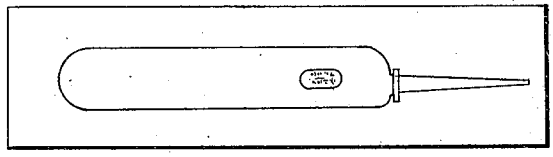
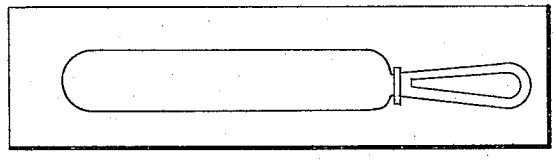


Fig. 4



Witnesses
Joseph Sullivan
Luke J. Griffin

Thomas Shaw Inventor
By his Attorney G. G. Schlichter

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

THOMAS SHAW, OF NEWARK, NEW JERSEY.

DIE FOR CUTLERY.

SPECIFICATION forming part of Letters Patent No. 479,668, dated July 26, 1892.

Application filed July 22, 1891. Serial No. 400,364. (No model.)

To all whom it may concern:

Be it known that I, THOMAS SHAW, of the city of Newark, county of Essex, and State of New Jersey, have invented a new and useful Improvement in Steel Dies for Cutlery, of which the following is such a full, clear, and exact description as will enable others skilled in the art to which it most nearly appertains to make and use the same, when taken in connection with the accompanying drawings, in which—

Figure 1 is a face view of the improvement, and Fig. 2 is a partial section thereof. Fig. 3 is a face view of a planishing-die for knife-blades having the name, plate, or die inserted. Fig. 4 is a face view of a die for knife-handles having the ornamental portion of the handle on an inserted piece.

This my invention relates to steel dies used in finishing or stamping cutlery; and it consists in making the die in two or more parts and uniting them together, so that the parts may be separated and other parts substituted therefor. It is especially adapted for use in dies in which one portion is more liable to become more worn from hard usage than another part, so that the more-readily worn portion may be renewed without the expense and trouble of renewing the whole die.

Figure 1 shows a face view of my improvement, in which A is the face of the die as ordinarily constructed, and B is the face of the removable portion as I construct the same. The portion B consists of a T-shaped piece, (shown more clearly in Fig. 2,) on the face of which is the cutting or embossing. The die B is made to fit against the shoulders *a* on the part A and to fit within the place prepared for it in the die A. B has attached to it an extension or plate *b*, which passes through to the back or bottom of the die A, on which the nut C is screwed, so as to hold the die B firmly in A. The die B is made of such size that it fits accurately in the chamber in the die A prepared to receive it and makes a close joint therewith. When the die B is in position in A and firmly held by the nut C, they form substantially one die, while at the same time the part B may be removed from A and another part substituted for B. These dies are especially adapted for use in dies having the trade-mark stamp used in finishing cutlery, and such are shown in Fig. 3. They may be used in many other places, and are well adapted to use in dies for knife-handles where the die is made for a standard handle, the ornament, monogram, or name being produced by the portion of the die which is removably attached to the main portion of the die. (Shown in Fig. 4.

One special advantage in using this form of die for the trade-mark in a planishing-die for knife-blades is that the trade-mark is stamped in the metal when the whole surface is subject to the die, and the metal around the trade-mark is not compressed more than the other parts.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, with the main die provided with a recess in its wearing-surface and an aperture in said recessed part, of a separate auxiliary die having a part adapted to engage said recess, and a screw-threaded extension adapted to pass through said aperture, and a nut for engaging said extension of the die for clamping it in position in said recess, substantially as described.

THOS. SHAW.

Witnesses:
CHAS. E. FOSTER,
JAMES H. SHAW.