M. FALK.

DIE FOR BARRETTES, COMBS, AND THE LIKE.

APPLICATION FILED JUNE 2, 1909.

944,422. Patented Dec. 28, 1909.

Fig: 1

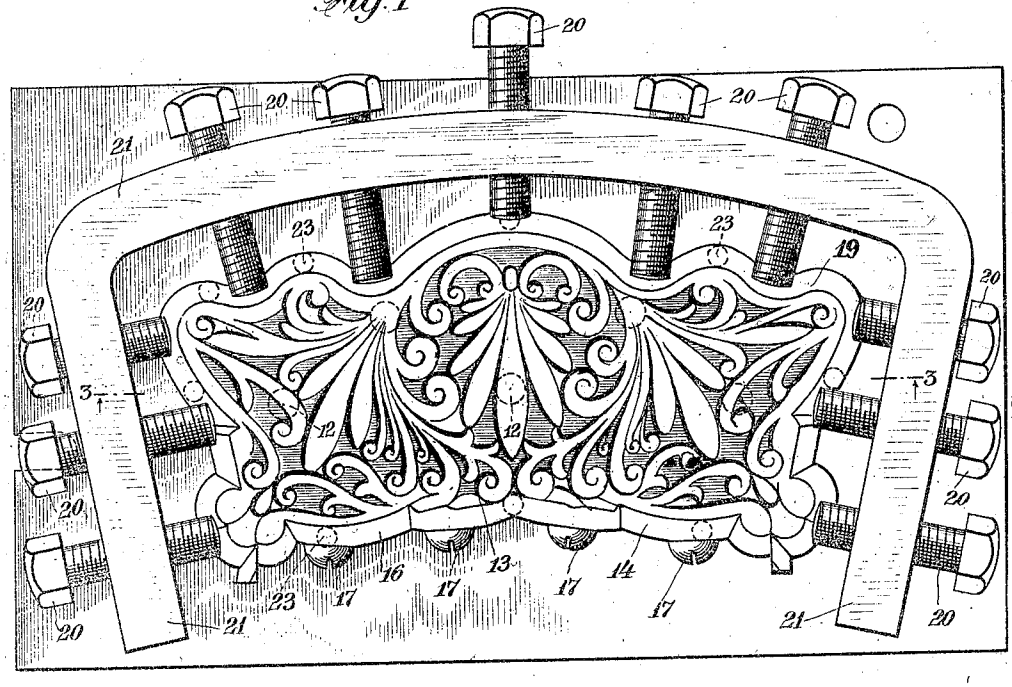


Fig: 2

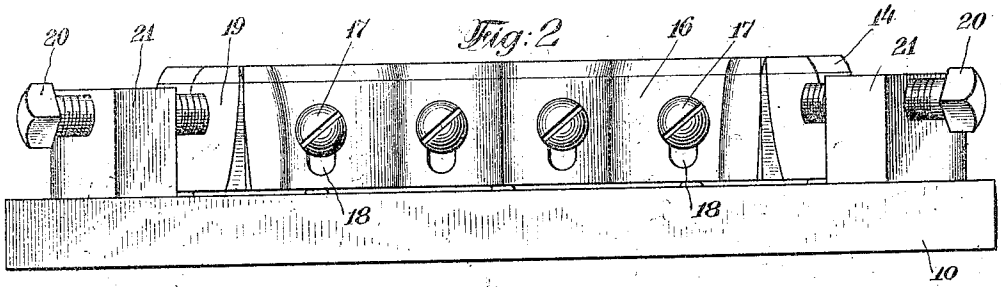
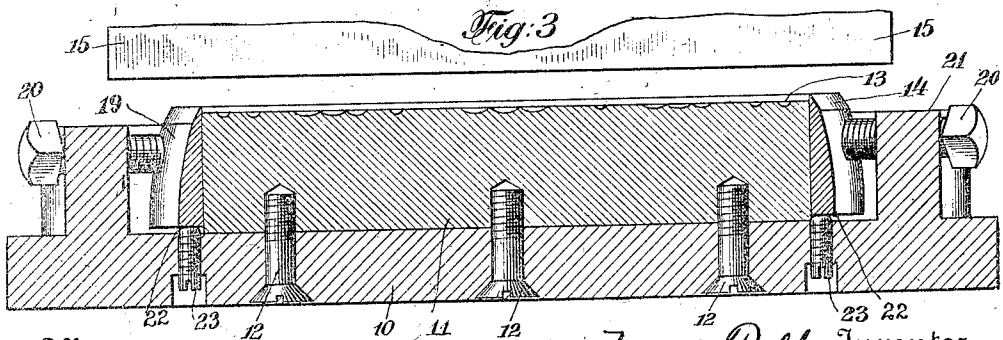


Fig: 3



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UNITED STATES PATENT OFFICE.

MORRIS FALK, OF LEOMINSTER, MASSACHUSETTS.

DIE FOR BARRETTES, COMBS, AND THE LIKE.

944,422. Specification of Letters Patent. Patented Dec. 28, 1909.

Application filed June 2, 1909. Serial No. 499,744.

To all whom it may concern:

Be it known that I, MORRIS FALK, a former subject of the Emperor of Russia, (and who has declared his intention of becoming a citizen of the United States,) and a resident of Leominster, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Dies for Barrettes, Combs, and the Like, of which the following is a specification.

My invention relates to cutters and presses designed particularly for forming ornamental backs or bodies of barrettes or of combs. It has for its object a die and press which is capable of cutting and ornamenting the stock at a single operation, and to so adjust the cutting and ornamental portion of the die that stock of different thicknesses may be operated upon. In a co-pending application I have disclosed a means of adjusting the ornamenting member with respect to the supporting base and cutting members; whereas, in the present application the cutting member is adjustable with respect to the base and ornamenting member. I attain these objects in the die set forth in the following specification and shown in the accompanying drawings, in which—

Figure 1 is a plan view, and Fig. 2 an end view of the die. Fig. 3 is a vertical section taken on the line 3—3, Fig. 1, and shows also a portion of the press.

Similar characters of reference designate corresponding parts throughout the several views.

Referring now to the drawings, 10 designates the base to which is secured the die 11 by means of the screws 12. This die consists of two members—the ornamenting member 13 cut to any desired configuration, and the cutting member 14 of any desired contour. The press 15 is designed to coöperate with the die 11, and is reciprocated in the usual manner by suitable mechanism (not shown). The cutting member 14 fits about the ornamenting member 13 and may be in one piece, or may be sectional as shown. The section 16 is removably secured to the member 13 by means of screws 17 passing through slots 18 to said section; while the other section 19 is held to the ornamenting member 13 by means of suitable adjustable screws 20 passing through the frame piece 21, which is riveted or otherwise suitably secured to the base 10. The cutting member provides at its top a sharp cutting edge, and increases in cross-sectional area downwardly, providing a face 22 against which bear screws 23 passing through the base 10. By adjusting these screws 23, the cutting member may be suitably adjusted vertically to allow of the use of stock of different thicknesses. Of course, in adjusting this cutting member, screws 17 and 20 have to be first loosened. The cutting member, entirely surrounding the ornamental member as shown, is suitable for the stamping out of barrette bodies or backs; but if it be desired to stamp out backs for combs, the section 16 is removed by withdrawing the screws 17.

Although I have shown the cutting member of the die adjustable, it is to be understood that I do not restrict myself to making this member adjustable as the same may be fixedly secured to the base and the ornamenting member made adjustable as in my said co-pending application.

I claim:—

1. In a die stamping machine: a base; a die mounted thereon comprising an ornamenting member, and a cutting member about the same; means securing one of said members to said base; means to adjust the other of said members with respect to the first, comprising adjustable supporting screws passing through said base and supporting said adjustable member upon their upper ends; and a press co-acting with said die.

2. In a die stamping machine: a base; a die mounted thereon comprising an ornamenting member fixed to said base, and a cutting member about the same; means to adjust said cutting member with respect to the ornamenting member, comprising adjustable supporting screws passing through said base and supporting said cutting member upon their upper ends; and a press co-acting with said die.

3. In a die stamping machine: a base; a die mounted thereon comprising an ornamenting member fixed to said base, and a cutting member about the same; means to adjust said cutting member with respect to the ornamenting member, comprising adjustable supporting screws passing through said base and supporting said cutting member upon their upper ends; means permitting such adjustment for holding the cut-

ting member in engagement with the ornamenting member; and a press co-acting with said die.

4. In a die stamping machine: a base; a die mounted thereon comprising an ornamenting member, and a cutting member about the same, having an upper edge of the contour of the finished material and being of increasing cross-sectional area downwardly; means to hold said cutting member to said ornamenting member; screws passing through said base acting against the lower edge of said cutting member to adjust the same with respect to the ornamental member; and a press co-acting with said die.

5. In a machine for cutting or stamping backs or bodies of barrettes or combs: a base; a die mounted thereon comprising an ornamenting member fixed to said base, and a sectional cutting member; means to adjust the sections of said cutting member with respect to the ornamenting member, comprising adjustable supporting screws passing through said base and supporting said sections upon their upper ends.

Signed at Leominster, in the county of Worcester and State of Massachusetts this twenty-seventh day of May A. D. 1909.

MORRIS FALK.

Witnesses:

BARNETT NATHANSON,

B. G. WALKER.