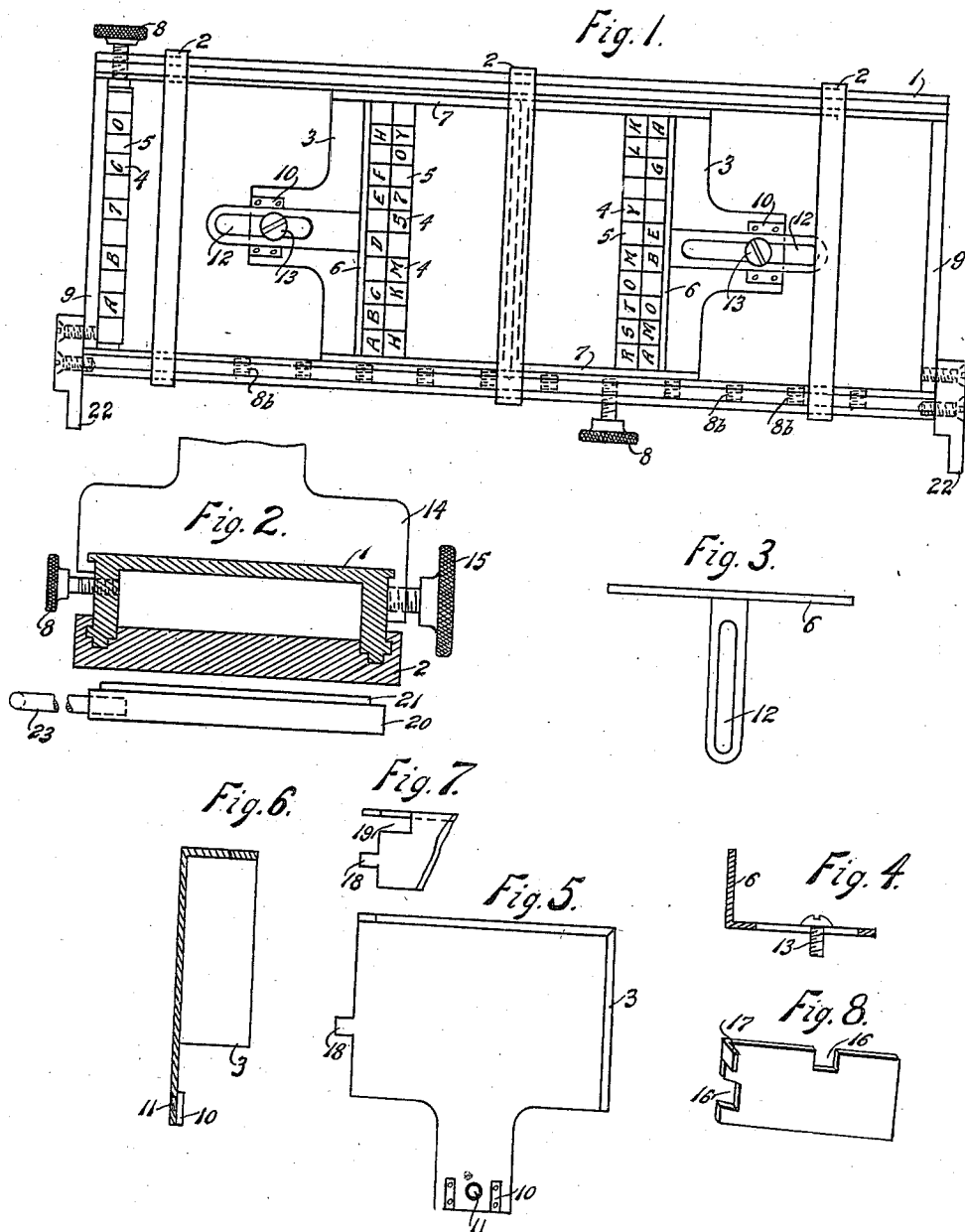


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ATTACHMENT FOR STAMPING MACHINES.
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UNITED STATES PATENT OFFICE.

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ATTACHMENT FOR STAMPING-MACHINES.

989,523.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GUSTAVE E. EARN, a citizen of the United States, and a resident of New York city, county of New York, and State of New York, have invented a new and useful Attachment for Stamping-Machines, of which the following is a specification, reference being had to the accompanying drawings, forming part of same.

The present invention relates to an attachment for stamping machines, the same being a device for use in conjunction with the art of bookbinding of printed matter.

The object of this invention is to provide an accurate, economical and speedy method of stamping letters, numerals and lines on the exterior binding of books, the present method of operation of the above mentioned stamping being slow and inaccurate. This device is used on bindings of worn books, or any books on which it is desired to change or replace the binding, said books being in single or small quantities, and the invention is not serviceable on books of large quantities, for which a form or electro plate is preferred and generally used.

Preliminary to a more detailed description, the following general statement may be made with regard to the operation and arrangement of the principal elements of my device, all parts of my invention consisting of metal. The said invention as aforementioned is used exclusively on bindings of books in small quantities, and it comprises in its several arrangements an oblong box or trough within which is clamped one or two chases containing letters and numerals. To said oblong box there is also clamped one or more line impression bars. The type contained within the above mentioned chases and the line impression bars act simultaneously or individually in forming impressions upon the binding of books, said binding being secured to a platform provided for the purpose of holding the binding during the operation of this invention. The above mentioned oblong box containing the various parts may be secured as a whole by any convenient method to a machine at present in use. The chases are wholly removable from the interior of the aforesaid oblong box, for the purpose of discarding or replacing the type contained within said chases. Type having been placed within the chase or chases, said chase or chases are then disposed and secured

within the aforesaid oblong box. The binding of books is placed upon a platform and secured by any convenient method. Gold leaf is superimposed on the aforesaid binding. The machine to which this device is attached is caused to travel in the direction of the work or binding, thereby causing the type and line bars to come in contact with said binding, having the aforesaid gold leaf superimposed thereon. Upon the retraction of my invention, all the gold leaf can be readily removed from the binding, exclusive of that portion which has had contact with the type and line bars, said type and line bars having formed upon the binding an impression equivalent in shape or form to such type or line bars.

Having set forth the general features of my attachment for stamping machines, I will describe the construction and arrangement of the various parts.

I attain the object of my invention by the means illustrated in the accompanying drawing, which sets forth the preferred form or design of my invention.

Figure 1 is a bottom view of an assembly of the various parts of my device. Fig. 2 is a vertical section through Fig. 1 illustrating the preferred method of securing the invention to a stamping machine at present in use. Fig. 3 is a detail of an adjustable wall or gate used for clamping type within a chase provided to contain said type. Fig. 4 is a vertical section through Fig. 3. Fig. 5 is a detail of a chase provided to contain type. Fig. 6 is a vertical section through Fig. 5. Fig. 7 is a detail view of a portion of one wall of the above mentioned chase. Fig. 8 is a perspective view in detail of a detached wall, provided to assist in clamping type, and hereinafter more particularly described.

Referring to the drawings, there is shown an oblong box or trough 1, having end bracing walls 9. Projecting tongues upon the side walls of 1 serve to retain in position the line stamping bars 2, said line stamping bars having grooves suitably milled in them to fit the projecting tongues on 1, as shown in Fig. 2. Disposed within the inclosure formed by the walls of 1 are two chases 3 and 3 facing in opposite directions and containing type 4 and spacing blocks 5, said type and spacing blocks being secured within 3 by means of adjustable wall 6, and detached wall 7, shown in Fig. 8. A knurled thumb-screw 8 passing through

threaded recess 8^b bears upon 7, and 7 in turn bears against type 4 and spacing blocks 5, thereby clamping said type and spacing blocks within chase 3 in a lateral direction, and 6 clamping 4 and 5 in the opposite direction. By this method 4 and 5 are thoroughly secured within 3, and parts 3 and 6 and 7 as a whole are secured within 1.

To maintain the central position of wall 6 during any adjustable movement of said wall, I have provided guiding cleats 10 adjacent to and bearing upon the sides of an extended stem of 6. Said guiding cleats are pin secured to that wall of 3 upon which 6 is adjustable as in Fig. 5 and Fig. 6. Upon 6 being adjusted to a desired position, the preferred method of securing it is by means of a threaded recess 11 formed in that wall of 3 upon which 6 is movable, as in Fig. 5 and Fig. 6. A slot 12 is formed in the extending stem of 6 and located centrally above 11, when 6 is placed within 3.

A round head screw 13, the shank of which passes through 12 and fits into 11, secures 6 to one wall of 3, inasmuch as the rotation of 13 causes the bottom facet of the head of 13 to compress against one side of the metal surrounding 12, the opposite side of said metal compressing against one wall of 3. The above method of securing 6 to 3 is clearly set forth in Fig. 1, Fig. 4 and Fig. 5.

A stamping machine 14 at present in use, and the various parts of my invention, as a whole, may be attached together by any convenient method, preferably as in Fig. 2, in which tongues upon the upper wall of 1 fit into milled grooves formed in 14, and 1 being clamped laterally within 14 by means of

knurled thumb-screw 15. Formed in the detached wall 7 are grooves 16 and tongue 17, as shown in Fig. 8, and fitting respectively to tongues 18 and groove 19, as in Fig. 5 and Fig. 7. A platform 20 of indefinite length is provided for the reception of the binding 21. My invention as a whole may be guided upon the face of 21 by means of guides 22 and similar guides secured to 20 but not shown herein. A handle 23 of suitable length and inserted in 20 provides a method of placing or removing 20 with or without 21 thereon.

Type may be secured without the use of 3, as shown on the extreme left hand end of Fig. 1, such method being merely suggestive.

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

1. An attachment for stamping machines, consisting of an oblong box and a chase disposed therein, having a detachable wall for clamping type within said chase and means for actuating said detachable wall for simultaneously clamping said chase within the aforesaid oblong box, in which said chase is disposed.

2. An attachment for stamping machines consisting of an oblong box and a chase disposed therein, the chase having an adjustable wall or gate contained and adjustable within said chase and means for actuating said adjustable wall for simultaneously clamping and alining type within said chase substantially as and for the purpose set forth and described.

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