

J. P. SUTHERLAND.
MOUNT OR BLOCK FOR ENGRAVED PLATES.
APPLICATION FILED AUG. 12, 1907.

954,223.

Patented Apr. 5, 1910.

Fig. 1.

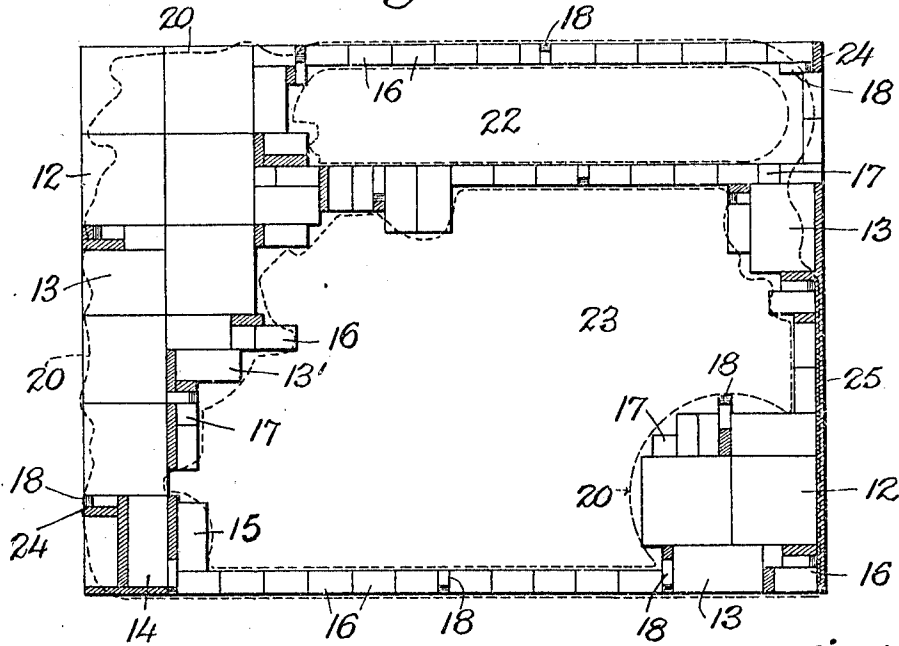


Fig. 2.

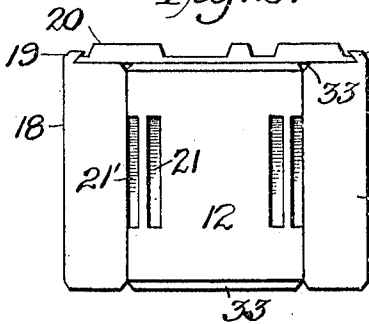


Fig. 3.

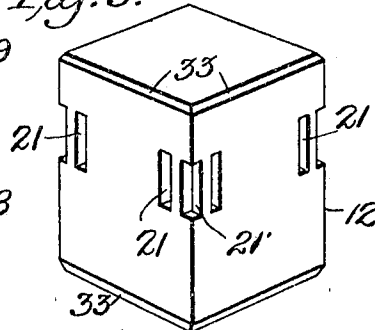


Fig. 4.

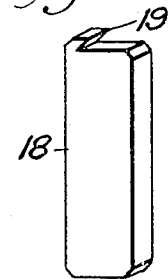


Fig. 5.

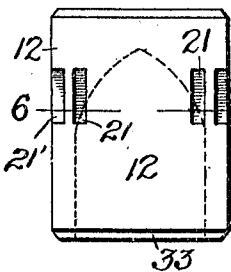


Fig. 6.

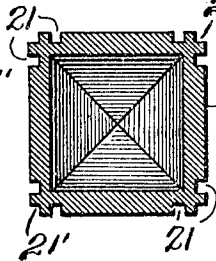


Fig. 7.

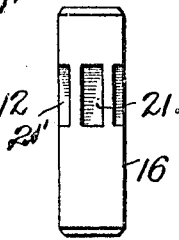


Fig. 8.

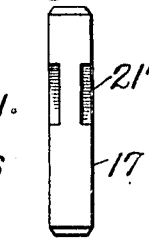


Fig. 9.



Fig. 10.



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MOUNT OR BLOCK FOR ENGRAVED PLATES.

954,223.

Specification of Letters Patent.

Patented Apr. 5, 1910.

Application filed August 12, 1907. Serial No. 388,267.

To all whom it may concern:

Be it known that I, JOHN P. SUTHERLAND, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Mounts or Blocks for Engraved Plates, of which the following is a specification.

This invention relates to engravers' blocks and is adapted to supply the place of the single block formerly used in which mortises were cut to receive lines of type.

The present invention comprises various sizes of blocks which can be set up so as to supply the backing or foundation for the engraving after it has been finished and cut to the proper size as will be more fully explained in the following specification set forth in the claim and illustrated in the drawings where the same reference characters are used to designate the same parts in the various views.

Figure 1 is a plan view of a number of these blocks assembled to form the base for an engraved plate. Fig. 2 is an end elevation showing a somewhat different assemblage of blocks supporting the engraved plate. Fig. 3 is a perspective view of one of the blocks. Fig. 4 is a perspective view of one of the clamps. Fig. 5 is a side view of a block. Fig. 6 is a sectional view on the line 6—6 of Fig. 5. Figs. 7 and 8 are views of a smaller size block. Figs. 9 and 10 are plan views of same.

The system of blocks used and shown in the drawings comprises various sizes of cubes made of lead or alloys and they are of a height less than the usual type body. The number of varieties of the blocks may be limited to about six but it is obvious that various other shapes and sizes may be used and that they may be hollow as shown in Fig. 6.

In the assemblage of blocks shown in Fig. 1 it will be seen that as far as possible the larger blocks 12 are used, and following this a block 13 is inserted wherever the size of the space justifies it as are also used the blocks 14, 15, 16 and 17 while at suitable points around the edge of the plate are arranged the steel or hard metal clamping blocks 18 having on their upper faces a finger 19 which is adapted to fit the beveled edge of the engraved plate 20 as more fully clearly shown in Fig. 2.

Each of the several blocks is provided at each of its vertical edges with notches or recesses 21', said notches being supplemented in each of the blocks except those of the smallest size with notches or recesses 21 formed vertically in the sides thereof adjacent to or intermediate the vertical edges as will clearly appear by reference to Figs. 5, 6, 7 and 8 of the drawings; said notches or recesses being for the insertion of nippers or tweezers for handling the blocks and properly placing them in the form.

In order to facilitate the insertion and removal of the blocks, each of said blocks is beveled at its upper and lower edges, as clearly indicated at 33 in the drawings. By this construction accidental injury to the edges of the blocks will also be avoided; and a further advantage resulting from this construction is that it admits of the drainage of type cleaning liquids, such as benzene, naphtha, etc., from underneath the plate.

In the assemblage shown in Fig. 1 are two mortises 22 and 23 which are adapted to be filled in with the necessary type which is to make up the card or form. It is obvious, however, that various other mortises may be substituted so as to provide for whatever the engraving may require.

In case that the number of blocks do not properly space out the form, ordinary type spaces 24 or leads 25 may be used to fill in the vacant spaces which may occur so as to make a compact form and when surrounded by the usual printers' furniture may be locked in a chase.

It is obvious that I do not confine myself to the exact number of blocks shown nor the exact shape as illustrated but the object of the invention is to provide a font of these blocks made of metal or other material which may be set up and made to correspond with the shape of an engraved plate, several of them provided with hooks or fingers to engage the plate, and the whole be locked together so as to form a compact mass to support the plate while it is being printed.

The edges of the blocks may be chamfered or rounded, or the sharp corners otherwise removed as shown.

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

A mount for engraved plates comprising a plurality of different sized supporting

blocks of rectangular cross section and each of an area equal to that of a multiple of type units, said blocks being beveled at their upper and lower edges and provided with notches or recesses in the vertical edges thereof and with recesses in their side walls intermediate the vertical edges, and clamping blocks of a height equal to that of the supporting blocks and each provided with

an undercut overhanging finger engaging the plate.

In testimony whereof, I affix my signature in presence of two witnesses.

JOHN P. SUTHERLAND.

Witnesses:

JAMES F. DUHAMEL,
K. ALLEN.