L. WALLENSTEIN.

STENCIL.

APPLICATION FILED APR. 5, 1920.

1,345,653.

Patented July 6, 1920.

FIG. 1.

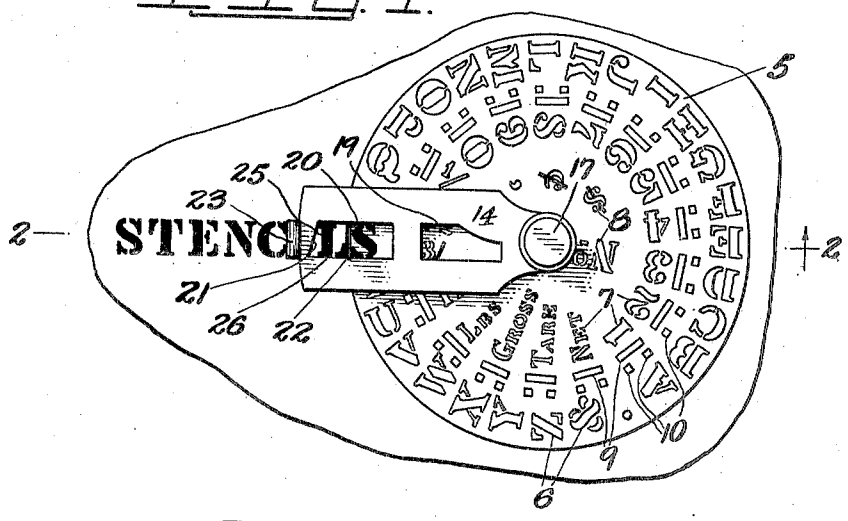


FIG. 2.

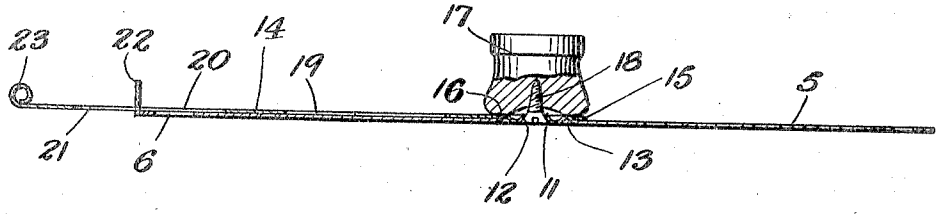


FIG. 3.

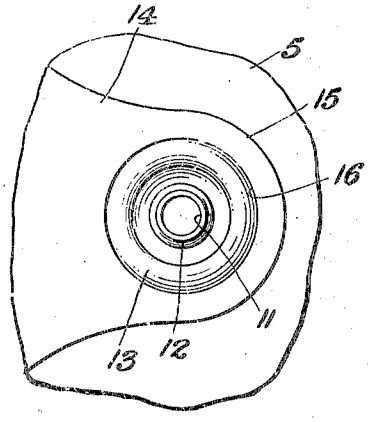
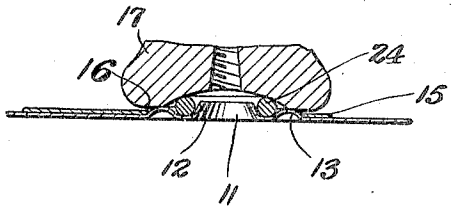


FIG. 4.



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UNITED STATES PATENT OFFICE.

LEO WALLENSTEIN, OF BROOKLYN, NEW YORK.

STENCIL.

1,345,653. Specification of Letters Patent. Patented July 6, 1920.

Application filed April 5, 1920. Serial No. 371,203.

To all whom it may concern:

Be it known that I, LEO WALLENSTEIN, a citizen of the United States, and residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Stencils, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to stencils and particularly to devices of this class composed of a stencil element upon which are arranged letters, numerals and characters used in the stenciling of words and other characters on packages, boxes and the like, and in connection with which a movable guide and alinement member is employed; and the object of this invention is to provide the stencil element with improved means for guiding the user in the operation of the device; a further object being to provide the guide and alinement member of the stencil with improved means for guiding the user in the operation of stenciling words and other characters; a still further object being to provide improved means for mounting and supporting the movable guide member in connection with the stencil element; and with these and other objects in view the invention consists in a device of the class and for the purpose specified which is simple in construction and operation and which is constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a plan view of my improved stencil and indicating the method of its use;

Fig. 2 a partial section on the line 2—2 of Fig. 1 of the stencil and showing the same on an enlarged scale;

Fig. 3 a plan view of the central portion of the stencil with parts of the construction omitted; and,

Fig. 4 a view similar to Fig. 2 but showing only a detail of the construction on an enlarged scale and showing a modification.

In practice, I provide a stencil element 5 which, in the form of construction shown, is composed of a thin sheet metal disk in which is stamped adjacent to the periphery thereof the letters of the alphabet and other characters as shown at 6, and stamped in said disk inwardly of the letters and characters 6 are numerals, words and characters 7 inwardly of which are other characters or signs 8. Between the letters 6 and numerals 3 are a plurality of elongated apertures 9 outwardly of each of which and adjacent to the opposite ends of said aperture are comparatively small rectangular apertures 10, and these apertures 9 and 10 form guide and alinement apertures for the letters used in stenciling the numerals, words and characters 6.

The stencil element 5 is provided centrally with a countersunk aperture 11 formed by a raised and inwardly directed wall 12 and the stencil element 5 is provided around the aperture 11 with an upwardly directed annular bead 13 and a movable guide and alinement member 14 is mounted in connection with the stencil element 5 and comprises an oblong strip of sheet metal, the inner end portion of which is reduced and rounded as shown at 15 and provided with an aperture 16 within which the annular bead 13 fits when the member 14 is mounted in connection with the element 5. The member 14 is held in position by a knob 17 secured to the stencil element 5 by a screw 18, the head of which fits in the countersunk aperture 11, and the bottom of the knob 17 rests or bears upon the top of the annular bead 13 thus permitting of the free rotation of the member 14 around the annular bead 13 of the stencil element 5 and said bead serves to hold the member 14 in proper position.

The movable guide and alinement member 14 is provided adjacent to its inner end with an irregularly shaped aperture 19 adapted to register with the numerals, words or characters 7 and outwardly of said aperture the member 14 is provided with another aperture 20 which is adapted to register with the letters and characters 6 on the stencil element 5, and outwardly of the aperture 20 the member 14 is provided with another guide and alinement aperture 21 which is located outwardly of the periphery of the stencil element 5, and is adapted to register with a letter, numeral or character stenciled on a package or box in order to facilitate the alinement of the next letter, numeral or character to be stenciled on said

package or box, and also to properly space said letters, numerals and characters.

The member 14 is provided between the apertures 20 and 21 with a raised guard wall 22 which serves to separate said apertures and to prevent the spread, or the misuse of the stenciling fluid employed. The outer end of the member 14 is provided centrally thereof with a finger or handpiece 23 which facilitates the manipulation of said member over the stencil element 5.

In the construction shown in Fig. 4 of the drawing, I have shown a slight modification in which a ring member 24 is employed inwardly of the annular bead 13 and which is adapted to reinforce the central portion of the stencil element 5 and to take the thrust or bearing of the knob 17 on said stencil element when the screw 18 is placed in position. The annular bead 13 may also aid in taking up this thrust and will function primarily as a guide for the member 14 or, in other words, will hold said member in proper position and will prevent any material radial movement thereof.

In the use of my improved stencil, the stencil element 5 is placed upon the package, article or box to be stenciled, and said element and movable guide and alinement members are manipulated to bring the letters, characters, numerals and words in position and within the apertures 19 or 20, and after one letter, numeral, character or word has been stenciled the next letter, numeral, character or word is brought into position in either of the apertures 19—20 and the member 14 is placed in such position as to bring the last letter, numeral or character stenciled within the aperture 21 in the manner illustrated in Fig. 1, in which figure the letter L shown at 25 is visible through the aperture 21 and the bottom edge and inner edges of said letter are brought in line with the side wall 26 of the aperture 21, and the outer face of the wall 22, and this will bring the member 14 as well as the stenciled member 5 in proper alinement and the next letter which, in the construction shown, will be in proper alinement with said letter when stenciled. In the operation of applying the stenciling fluid to the letter S as shown in Fig. 1 of the drawing or in any other operation of the device, it will be apparent that the guard wall 22 will prevent the stenciling fluid from passing outwardly of the stencil element 5.

When a numeral, word or character 7 is stenciled or in juxtaposition to a word, letter or other character on a package or box, the apertures 9 and 10 are used as guides for bringing such numerals, words or characters in proper alinement, and in this use it will be apparent that the inner edge of the last letter, numeral or character stenciled will be visible through the elongated apertures 9, while the top and bottom edges thereof will be visible through the apertures 10. I am aware of the fact that the elongated apertures 9 have heretofore been connected, but the apertures 10 employed in connection therewith are one of the distinctive features of this invention and materially aid in the proper alinement of stenciled words and characters in the use of the device, as will be apparent from the foregoing description, and while I have shown a specific form of stencil element with a specific arrangement of letters, numerals and characters thereon, my invention is not limited thereto, and various changes in and modifications of the construction herein shown and described may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

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

1. A stencil of the class described comprising a stencil element provided with stencil letters, numerals and characters, a guide and alinement member movably mounted in connection with said stencil element and provided with apertures adapted to register with the separate letters, numerals and characters of the stencil element, and said member being provided outwardly of the periphery of said element with a guide and alinement aperture.

2. A stencil of the class described comprising a disk-shaped stencil element provided with stencil letters, numerals and characters, a guide and alinement member rotatably mounted in connection with said stencil element and provided with apertures adapted to register with the separate letters, numerals and characters of the stencil element, said member being provided outwardly of the periphery of said stencil element with a guide and alinement aperture, and a guard plate on said member between said last named aperture and one of the first named apertures therein.

3. A stencil of the class described comprising a disk-shaped stencil element provided with annularly arranged columns of stencil letters, numerals and characters between which the stencil element is provided with spaced elongated guide apertures adjacent to each of which are other guide and alinement apertures, and a guide and alinement member rotatably mounted in connection with the stencil element and provided with apertures adapted to register with the separate columns of stencil letters, numerals and characters on the stencil element.

4. A stencil of the class described comprising a disk-shaped stencil element provided with annularly arranged columns of stencil letters, numerals and characters be-

tween which the stencil element is provided with spaced elongated guide apertures adjacent to each of which are other guide and alinement apertures, a guide and alinement member rotatably mounted in connection with the stencil element and provided with apertures adapted to register with the separate columns of stencil letters, numerals and characters on the stencil element, and said member being provided outwardly of the periphery of said stencil element with a guide and alinement aperture.

5. A stencil of the class described comprising a stencil element composed of a disk of sheet metal provided with a central countersunk aperture around which is an upwardly directed annular bead, a guide and alinement member rotatably mounted in connection with said stencil element, the inner end of which is provided with an aperture through which the annular bead of the stencil element passes, said bead serving to hold said member in proper position, and a knob member secured to the stencil element by a screw passed upwardly through said element in said knob member, the head of said screw fitting in the countersunk aperture of said element and the base of said knob being adapted to bear on the upwardly directed annular bead.

6. A stencil of the class described comprising a stencil element composed of a disk of sheet metal provided with a central countersunk aperture around which is an upwardly directed annular bead, a guide and alinement member rotatably mounted in connection with said stencil element, the inner end of which is provided with an aperture through which the annular bead of the stencil element passes, said bead serving to hold said member in proper position, a knob member secured to the stencil element by a screw passed upwardly through said element into said knob member, the head of said screw fitting in the countersunk aperture of said element and the base of said knob being adapted to bear on the upwardly directed annular bead, and a reinforcing ring mounted between the stencil element and said knob member and inwardly of the annular bead of the stencil element.

7. A stencil of the class described comprising a stencil element composed of a disk of sheet metal provided with a central countersunk aperture around which is an upwardly directed beaded portion, a guide and alinement member rotatably mounted in connection with said stencil element, the inner end of which is provided with an aperture through which the beaded portion of the stencil element passes, and a knob member secured to the stencil element by a fastening device passed upwardly through said element into said knob member, the base of said knob member being adapted to bear on said upwardly directed beaded portion.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 2nd day of April, 1920.

LEO WALLENSTEIN.

Witnesses:
C. E. MULREANY,
H. E. THOMPSON.