March 10, 1925.

1,529,478

W. P. FRISCH

STENCIL

Filed May 16, 1924

2 Sheets-Sheet 1

Fig. 1.

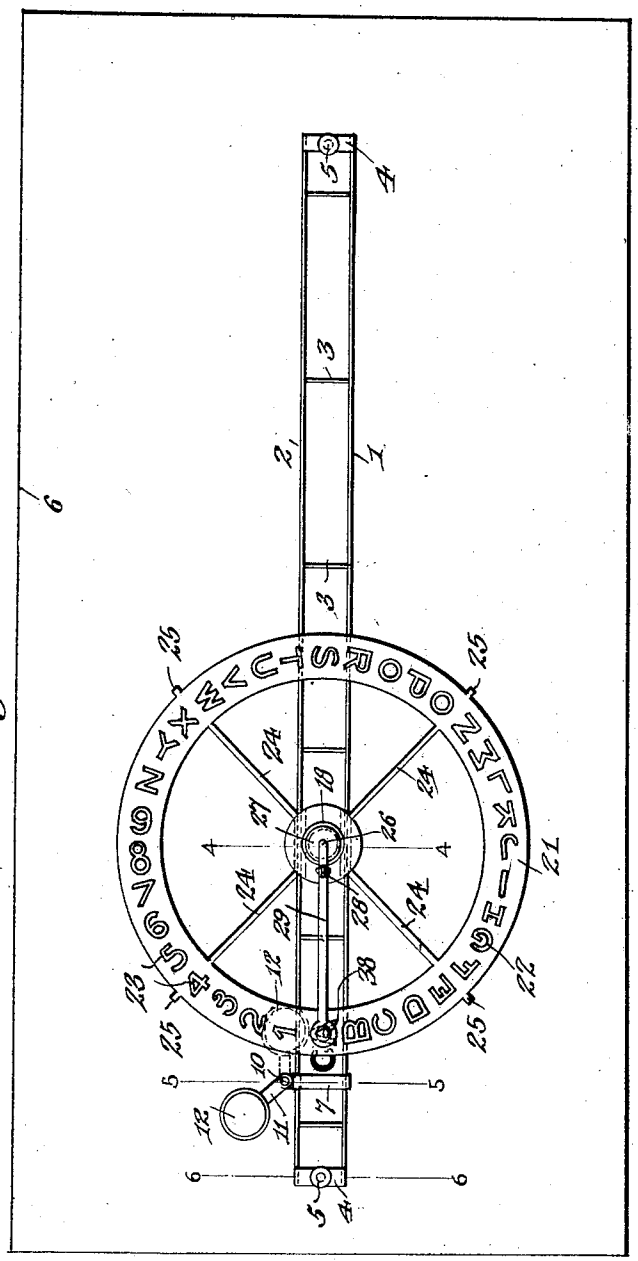
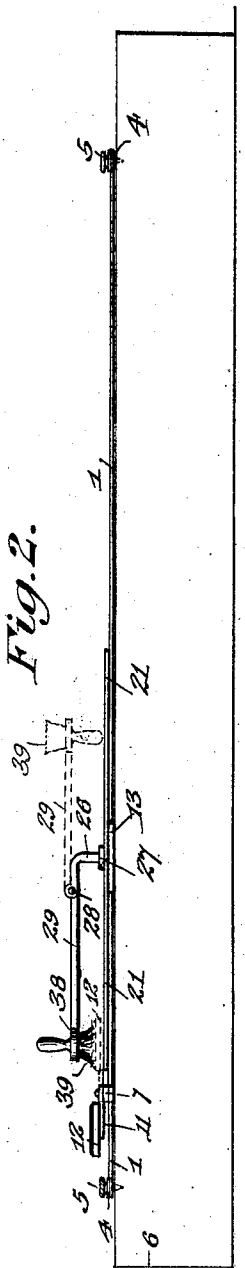


Fig. 2.



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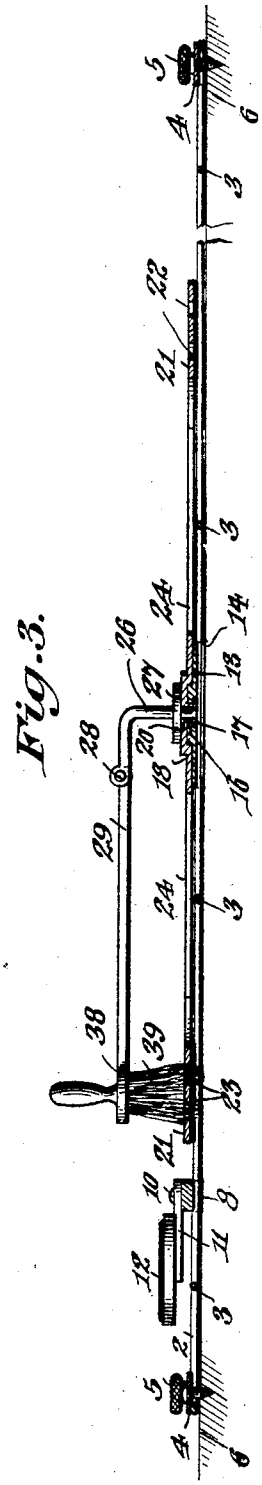


Fig. 3.

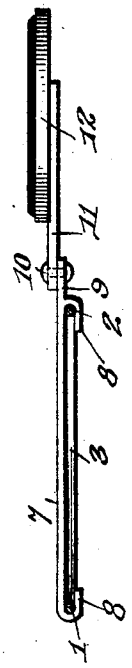


Fig. 5.

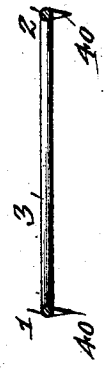


Fig. 7.

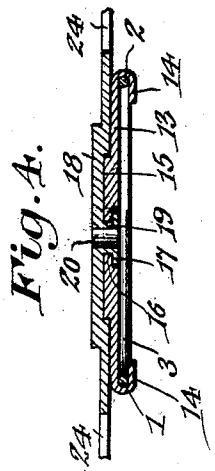


Fig. 4.

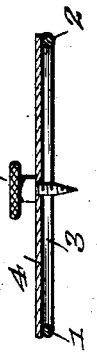


Fig. 6.

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Patented Mar. 10, 1925. 1,529,478

UNITED STATES PATENT OFFICE.

WALTER P. FRISCH, OF ROCHESTER, NEW YORK.

STENCIL.

Application filed May 16, 1924. Serial No. 713,864.

To all whom it may concern:

Be it known that I, WALTER P. FRISCH, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Stencils, of which the following is a specification.

This invention relates to a stenciling apparatus, and has for its object to provide an apparatus of such class, in a manner as hereinafter set forth, with means to provide a stationary track adapted to be secured to the articles to be stenciled and constituting a combined support and guide for the stencil plate and dauber of the apparatus and further constituting a support for the ink pad or pot of the apparatus, whereby the dauber, stencil plate and inking pad are connected together to prevent misplacing thereof, and further connected together, so that they will be in convenient reach of the operator during the stenciling operation, and furthermore enabling the stencil plate, dauber and inking pad to be shifted in associated relation with respect to each other during the stenciling operation.

A further object of the invention is to provide, in the manner as hereinafter set forth, a stenciling apparatus, comprising a pivotally supported stencil plate, a pivotally supported dauber, and a pivotally supported inking pad or pot, the latter capable of being adjusted in the path of the dauber for inking the latter and the dauber capable of being swung to the desired position with respect to the stencil plate for stenciling purposes, the stencil plate being also adjustable to position the proper digits and letters.

Further objects of the invention are to provide a stenciling apparatus which is comparatively simple in its construction, strong, durable, efficient and convenient in its use, readily set up with respect to the article to be stenciled, and comparatively inexpensive.

With the foregoing and other objects in view, the invention consists of a novel construction, combination and arrangement of parts as hereinafter more specifically described, and illustrated in the accompanying drawings, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to, which come within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:—

Figure 1 is a top plan view of a stenciling apparatus in accordance with this invention showing the application thereof in connection with the receptacle to be stenciled.

Fig. 2 is a side elevation thereof,

Fig. 3 is a longitudinal sectional view of the stenciling apparatus,

Fig. 4 is a section on the line 4—4 of Fig. 1,

Fig. 5 is a section on the line 5—5 of Fig. 1,

Fig. 6 is a section on the line 6—6 of Fig. 1,

Fig. 7 is a view illustrating the modified form of the end of the track.

Referring to the drawings in detail, a stenciling apparatus in accordance with this invention, includes a track element, a dauber element, a dauber inking element and a stencil element.

As illustrated in Figs. 1 to 6, both inclusive, the device consists of a pair of track members, 1, 2, which are arranged in spaced relation with respect to each other, as well as in parallelism, and the said members 1, 2, are connected intermediate their ends by coupling bars 3. At each end of the track element and secured to the members 1, 2, is a transversely extending supporting bar 4, which overlaps the ends of the members 1, 2, or if desired, can be secured to said members 1, 2 and each of the bars 4 carries a connecting device 5 which extends through the member 4 and engages with the article 6 to be stenciled as clearly shown in Fig. 3. By this arrangement, the track element is maintained in a stationary position, at the point desired, on the article 6, which is to be stenciled.

The dauber inking element comprises a shiftable support, which is mounted on the track element, and can be shifted along the same when occasion requires, and said dauber inking element includes a supporting plate 7, which extends transversely of the

track element, and is bent to overlap the members 1, 2, as at 8, under such conditions, providing means whereby the plate 7 can be shifted when desired. Projecting from one end of the plate 7 is a lug 9 upon which is pivotally connected, as at 10, a supporting arm 11, for an inking pad 12. The arm 11 can be swung to any desired position so as to place the pad 12 in position to ink the dauber or can be swung to an inactive position, as shown in Fig. 3. The normal position of the dauber inking element is in close proximity to the stencil element, which will be presently referred to.

The stencil element consists of a supporting plate 13, which is bent to overlap the track members 1, 2, as at 14, whereby the support 13 can be shifted to any desired position along the track, and the support 13 has its upper face formed with a circular boss 15, and said support 13, centrally thereof, is formed with a centrally disposed opening 16, of two different diameters, so as to provide an annular shoulder 17. Mounted on and enclosing the circular boss 15, is the hub 18 of a stenciling member and depending from said hub 18 is a flange collar 19, which is arranged within the opening 16, so that the hub 18 is connected for rotation to the plate 13. The flange of the collar 19 engages the annular shoulder and has a centrally disposed opening 20 which registers with the flange collar 19. The stencil element further includes a flat annulus 21 which forms a part of the stencil member and is provided with the letters of the alphabet, as at 22, and also with the digits 1 to 9, and said letters and digits being open so as to provide for stenciling.

The annulus 21 is connected with the hub 18, by radially disposed arms 24, and is further provided with finger pieces 25 to facilitate the shifting of the annulus 21, to position the letter or digit at the point desired. The normal position of the stencil element is in close proximity to the dauber inking element and the stencil element is shiftable along the track, during the stenciling operation, as is obvious for the completion of the marking or stenciling. The finger pieces 25 also provide means to hold the annulus 21 in the position to which it has been shifted.

The dauber element consists of an angle shaped arm 26, having the vertical leg thereof extended into the opening 20 and flanged collar 19. The vertical arm or leg thereof is provided intermediate its ends with a stop collar 27, which engages the hub 18 to arrest the downward movement of said vertical leg. Pivotally connected as at 28, to the horizontal leg of the arm 26, is a stem 29 having an enlarged outer end 38, which carries the dauber 39. The dauber element can be shifted to any point desired to complete the stenciling operation, after a letter or digit has been positioned by the annulus, for marking or stenciling purposes. When the dauber element is not in use, the stem 29 and the dauber can be shifted to the position, as shown in dotted lines in Fig. 2.

When the dauber 39, of the dauber element, is to be inked, the pad 12 is shifted to the position as shown in dotted lines in Fig. 1; that is over the annulus 21 after which the dauber element is shifted so that the dauber 39 can take up the necessary amount of ink from the pad 12.

Referring to Fig. 7, which shows a modification, in connection with the ends of the track, and such modification relates to the manner of securing each of the ends of the track to the article to be stenciled. In the modified form shown in Fig. 7, the elements 5 are not employed, or the plate 4 used, but the track members are provided with depending barbs 40 arranged opposite to each other, and which engage in the article 6, whereby the track is maintained in a stationary position.

The annulus 21 is preferably made of thin brass sheeting, with the letters and digits punched through to allow the passage of the ink. The stencilling is to begin at the point indicated by the letter "A", Fig. 1. The next letter is placed in the same position, and the stencil element moved a little to the right, the dauber is then inked and crushed over the letter to be made.

The construction of the dauber element is such, that the dauber can be slightly raised to help to spread the ink, during the stenciling operation.

By the apparatus shown, stenciling is operated from left to right so that the marking can be started at the extreme end of the box. In case it would be desired to place letters to the very extreme right side of the article to be stenciled, another wheel could be added with the letters and digits in reverse position.

What I claim is:—

1. A stenciling apparatus, comprising a track, means for maintaining said track stationary on the article to be stenciled, an adjustable stenciling element shiftably mounted on the track, an adjustable dauber element mounted on the stenciling element and shiftable therewith, and an adjustable dauber inking element shiftably mounted on the track.

2. A stenciling apparatus, comprising a track, means for maintaining said track stationary on the article to be stenciled, an adjustable stenciling element shiftably mounted on the track, a dauber element adjustably mounted on the stenciling element and shiftable therewith, said stenciling element including a flat annulus provided with

letters and digits, and an adjustable dauber inking element shiftably mounted on said track.

3. A stenciling apparatus, comprising a track, means for maintaining said track stationary on the article to be stenciled, an adjustable stenciling element shiftably mounted on the track, an adjustable dauber element mounted on the stenciling element and shiftable therewith, an adjustable dauber inking element shiftably mounted on the track, and said dauber element including a pivoted stem provided with a dauber.

4. A stenciling apparatus, comprising a track, means for maintaining said track stationary on the article to be stenciled, an adjustable stenciling element shiftably mounted on the track, a dauber element adjustably mounted on the stenciling element and shiftable therewith, said stenciling element including a flat annulus provided with letters and digits, an adjustable dauber inking element shiftably mounted on said track, and said dauber element including a pivoted stem provided with a dauber.

5. A stenciling apparatus, comprising a stenciling element, a dauber element carried thereby, a dauber inking element, and a track for connecting said elements together and upon which said elements are shifted.

6. A stenciling apparatus, comprising a stenciling element, a dauber element carried thereby and shiftable relatively thereto, and a track carrying said stenciling element and upon which said element is shifted lengthwise thereof.

7. A stenciling apparatus, comprising a revoluble stenciling element, a track, a support for said element shiftable on said track, a revoluble dauber element carried by the stencil element, shiftable therewith and revoluble relatively thereto, and an adjustable dauber inking element shiftably mounted on said track.

8. A stenciling apparatus, comprising a revoluble stenciling element, a track, a support for said element shiftable on said track, a revoluble dauber element carried by the stencil element, shiftable therewith and revoluble relatively thereto, an adjustable dauber inking element shiftably mounted on said track, said stencil element including a flat annulus provided with open letters and digits.

9. A stenciling apparatus, comprising a revoluble stenciling element, a track, a support for said element shiftable on said track, a revoluble dauber element carried by the stencil element, shiftable therewith and revoluble relatively thereto, and an adjustable dauber inking element shiftably mounted on said track, said dauber element including a pivoted stem provided with a dauber.

10. A stenciling apparatus, comprising a revoluble stenciling element, a track, a support for said element shiftable on said track, a revoluble dauber element carried by the stencil element, shiftable therewith and revoluble relatively thereto, and an adjustable dauber inking element shiftably mounted on said track, said dauber inking element including a shiftable inking pad capable of being positioned in the path of the dauber element to ink the latter.

In testimony whereof, I affix my signature hereto.

WALTER P. FRISCH.