

A. POKORNY.
STENCILING APPARATUS.
APPLICATION FILED MAY 11, 1909.

956,730.

Patented May 3, 1910.

2 SHEETS—SHEET 1.

Fig. 1.

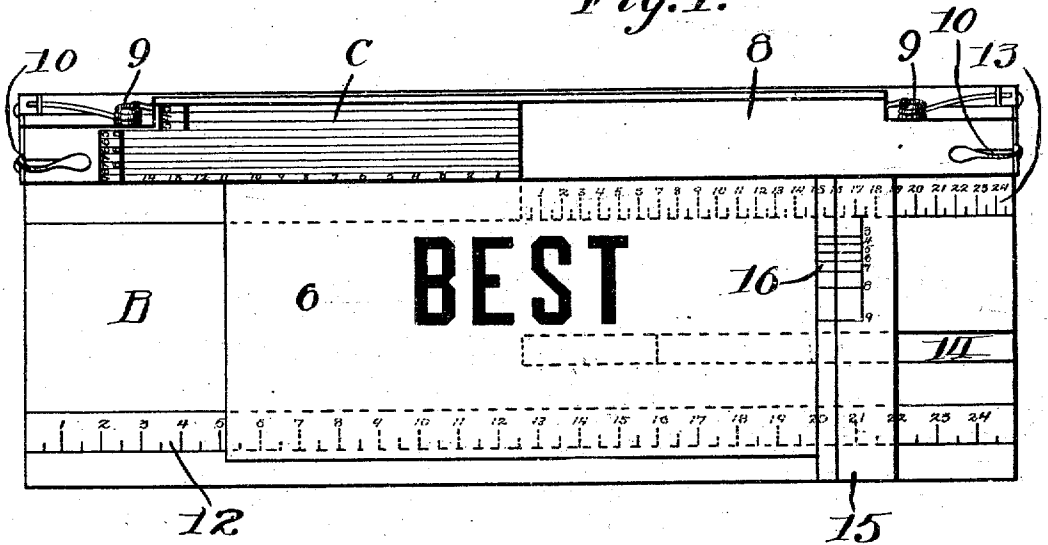


Fig. 2.

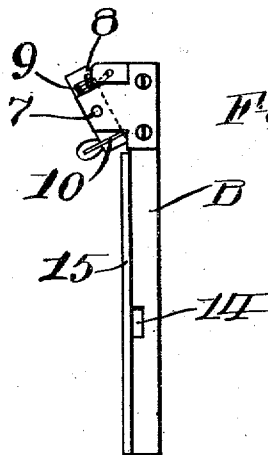
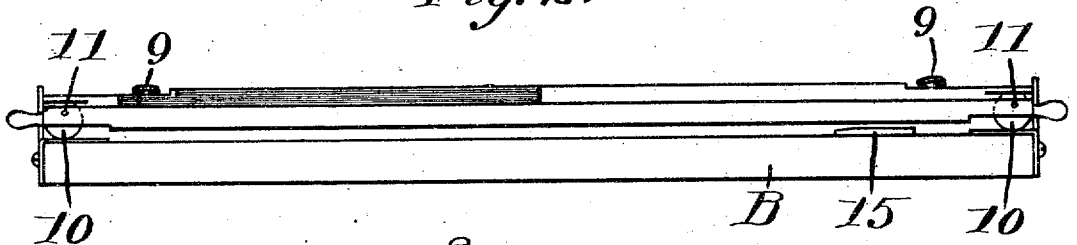


Fig. 3.

Witnesses:
H. Smith.
George Voelker

Inventor:
Adolph Pokorny,
by: *Adolph Pokorny*
His Attorneys.

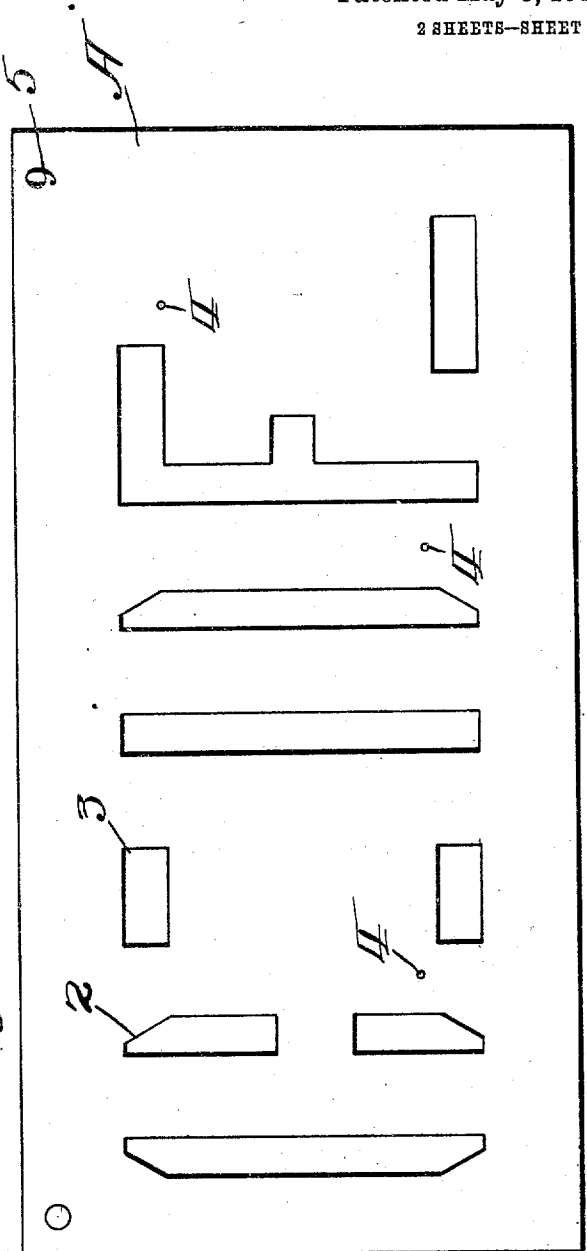
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Fig. II.

[illegible]

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Fig. 5.



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UNITED STATES PATENT OFFICE.

ADOLPH POKORNY, OF ST. PAUL, MINNESOTA.

STENCILING APPARATUS.

956,730.

Specification of Letters Patent.

Patented May 3, 1910.

Application filed May 11, 1909. Serial No. 495,228.

To all whom it may concern:

Be it known that I, ADOLPH POKORNY, a subject of the Emperor of Germany, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Stenciling Apparatus, of which the following is a specification.

My invention relates to improvements in stenciling appliance, its object being to provide means for stenciling letters and figures without employing the ordinary connections between the solid centers and the outer edge of the letter or figure, in connection with means for laying out the stencils upon a card or sheet.

To this end my invention consists in the features of construction, combination and arrangement of parts herein particularly described and claimed.

In the accompanying drawings forming part of this specification, Figure 1 is a plan view of my improved invention; Fig. 2 is a front elevation of the same; Fig. 3 is an end view; Fig. 4 is a plan view of a chart forming part of my invention, and Fig. 5 is a plan view of a stencil sheet forming part of my invention.

In the drawings A represents a stencil card for forming the letters. In the drawing the card is cut to form the letters C, D, and F. In those letters which have a solid center like C and D the vertical portions and the horizontal portions are separately cut, the stencil first being laid down and the vertical portions painted through the openings 2, the stencil then being moved to bring the openings 3 in position connecting the proper parts of the vertical openings, and the horizontal parts then being painted through the openings 3. The result is that the letters are formed without any connections between the solid center portion of the letter and the outside edge. The stencil card to the right of each letter is formed with a small opening 4 through which an impress is made upon the paper in forming the preceding letter to mark the starting point of the following letter. Each stencil card is formed with a suitable designating mark 5 indicating the size of letter.

In order to position the stencil centrally upon the receiving card or sheet 6 I provide the board B. Having pivotal support 7 above the rear edge of the board is a bar 8. Springs 9 connect the rear side of the bar

with the board, normally tending to hold the bar turned upon its pivots with its front edge in contact with the top face of the board. In order to hold the bar raised out of contact with the board I provide the eccentric cams 10 having pivotal support 11 in the ends of the bar and engaging with the face of the board. By turning these cams upon their pivots the front edge of the bar is raised away from the board.

Inscribed upon one end of the bar is the chart C shown in Fig. 4. This chart consists of a plurality of rows of numerals, each row of numerals indicating one size of stencil letters employed, as, for instance, 6, 6B, 7, 7B; and the numerals in each row designating the number of letters in the line of stenciling to be inscribed upon the sheet 6. Inscribed upon the front edge of the face of the board B is a scale 12 to be used in determining the length of the sheet 6; and inscribed upon the face of the board immediately in front of the bar is a scale 13 by which the sheet 6 is positioned upon the board as hereinafter pointed out the scale 13 beginning at a point midway of the scale 12.

Slidable in a groove 14 in one end of the board is a bar 15 which extends transversely of the face of the board and constitutes a straight edge. The inner edge of the slidable bar 15 is formed with a scale 16 designating the heights of the different letters employed in making up the stencil.

In use, assuming that a stencil design of four letters employing the style of letter designated as 9 is to be stenciled upon a sheet of paper 15 inches long, the sheet of paper upon being measured by the scale 12 and found to be 15 inches is placed upon the board with its right hand edge alining with the division point 15 upon the scale 13 and the straight edge bar 15 carried into engagement with the adjacent edge of the sheet. The numeral 4 in the number 9 row of the chart C will mark the beginning point of the stenciled design. The stencil plate A will then be placed upon the sheet with the left hand edge of the first letter of the design to be stenciled registering with the mark 4 of row 9 and the first letter, as the letter B, stenciled upon the paper. As heretofore described the letter B will be stenciled by first stenciling the vertical portions and then filling in the horizontal portions. The stenciling of the letter B will by means of a dot 4 in the stencil plate mark the beginning of

the next letter and in a similar manner when the letter B is completed the next letter will be stenciled upon the sheet 6 and so on through the line. The scales are so propor-

5 tioned that this will bring the stenciled matter directly in the center longitudinally of the sheet 6. The letters are so cut in the stencil plate A that with the upper edge of the stencil plate contacting with the front
10 edge of the pivoted bar the lower edge of the letters will register with the scale 16, that is the lower edge of the letters in stencil plate number 9 will register with the indication 9 upon said scale. In order to get the bottom
15 of the line even where letters of different sizes are used; it is only necessary in forming the initial letter, as for instance a letter of stencil plate number 9 to make a little mark on the edge of the cardboard at the same
20 height as the corresponding figure (9) on the scale 16, then move the receiving card up underneath the bar 8 until the mark is in line with the figure on scale 16 corresponding with the size of the letter next to be used.

25 I claim as my invention:

1. Stenciling means of the class described comprising in combination with a stencil plate, a board formed with a pair of scales
30 one of said scales beginning at a point midway of the other scale, and an adjustable straight edge registering with the shorter scale.

2. In combination a board provided with a pivotally supported bar turnable into and
35 out of contact with the face of said board, a chart upon the face of said bar, and parallel scales upon the face of said board, one of said scales beginning at a point midway of the other scale and said scales and chart being subdivided in the manner and for the
40 purpose set forth.

3. In combination a board, a bar supported upon the face of said board and turnable into and out of contact therewith,
45 a chart upon the face of said bar, a pair of spaced scales upon the face of said board,

and a straight edge adjustable in connection with one of said scales, said scales and chart being subdivided in the manner and for the purpose set forth.

4. In combination a board, a bar pivotally supported upon the face thereof, springs normally tending to hold said bar in contact with said board, cams for turning the bar out of contact therewith, a chart
55 upon the face of said bar, a pair of scales upon the face of said board, and a straight edge adjustable in connection with one of said scales, said scales and chart being subdivided in the manner and for the purpose
60 set forth.

5. In combination a stencil plate having stencil openings of predetermined size cut therethrough, a board, a bar turnable into and out of contact with the face of said
65 board, a chart upon the face of said bar a pair of scales upon the face of said board; and a straight edge adjustable in connection with one of said scales, said scales and chart being proportioned to each other, and said
70 chart being subdivided in relation to the sizes of the stencil openings in the manner and for the purpose set forth.

6. A stencil card having stencil openings cut therethrough to form characters, the
75 vertical and horizontal portions of the characters being independently cut through the card and the openings representing the parallel horizontal portions and the parallel vertical portions of the characters being
80 interspaced, and a board formed with horizontal and vertical scales to cooperate with the horizontal vertical portions of said characters in the manner and for the purpose set forth.

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

ADOLPH POKORNY.

Witnesses:

H. SMITH,

H. S. JOHNSON.