March 1, 1927. 1,619,587

W. H. SCHOGER

STENCILING APPARATUS

Filed April 12, 1926 2 Sheets-Sheet 1

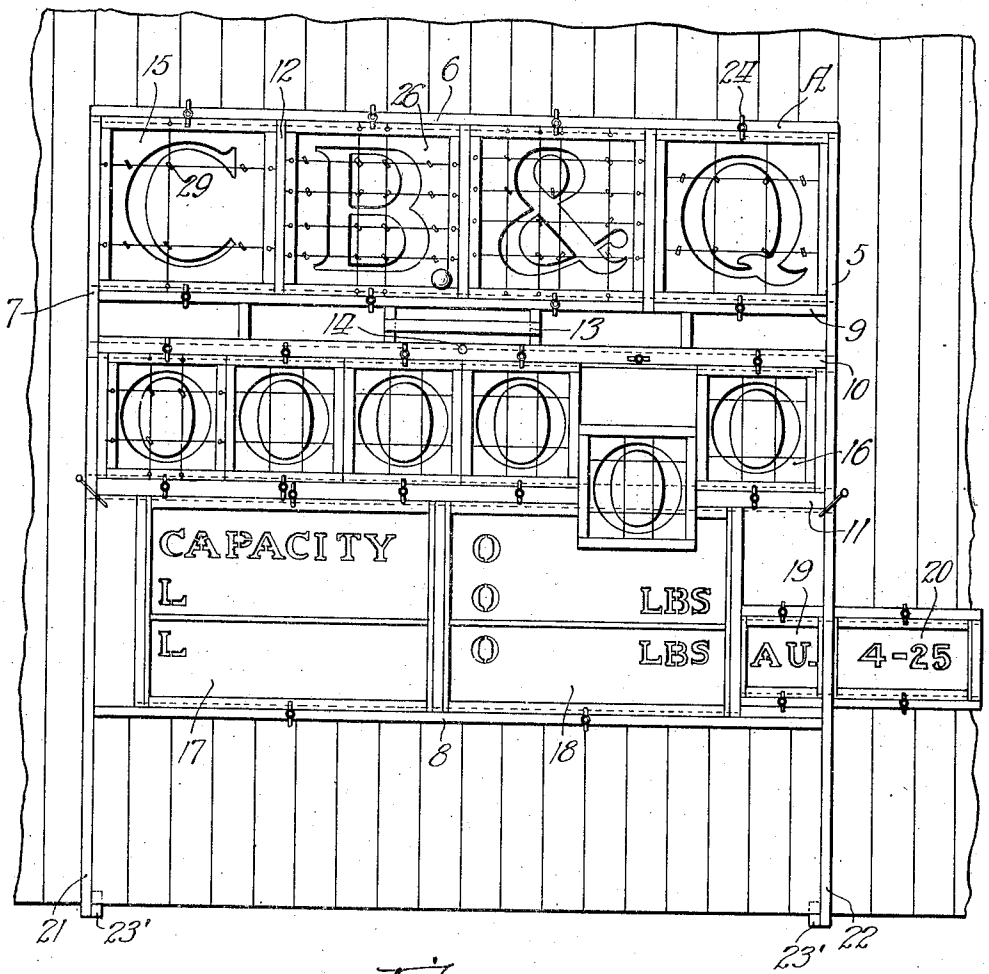


Fig. 1.

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Fig. 2

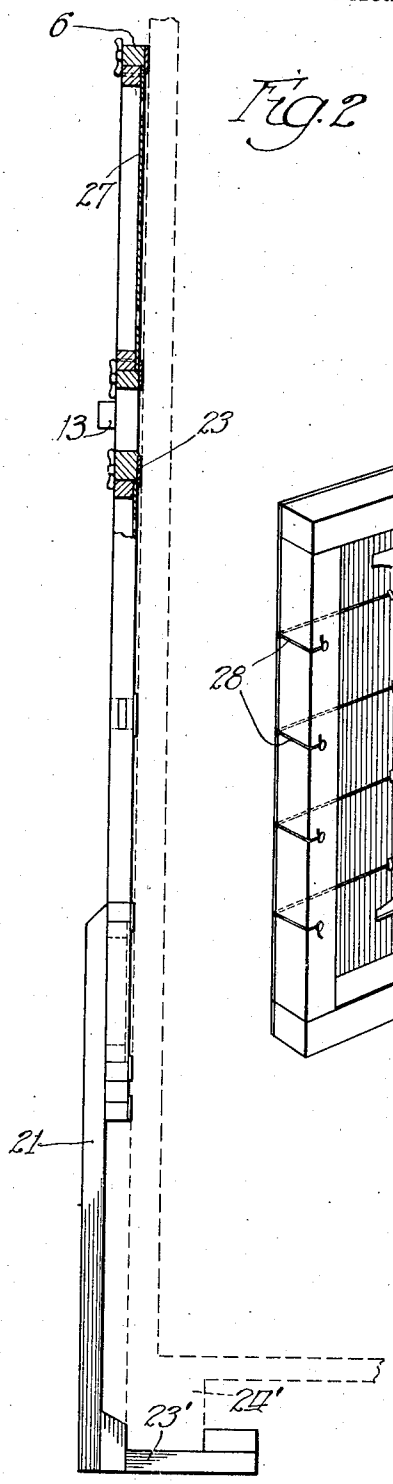
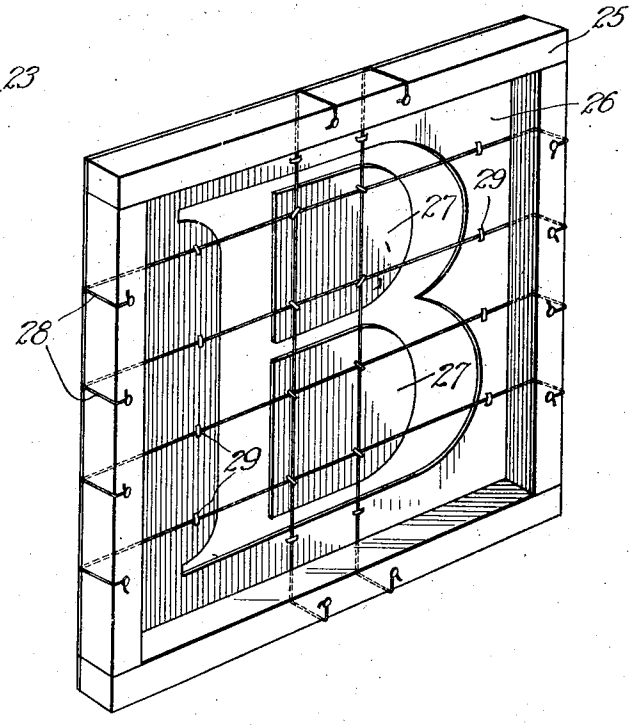


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM H. SCHOGER, OF AURORA, ILLINOIS.

STENCILING APPARATUS.

Application filed April 12, 1926. Serial No. 101,247.

My invention relates to stenciling apparatus and has to do more particularly with devices for holding stencils during their use, an object of my invention being to provide an apparatus of the above character adapted to receive stencils so that they may be readily interchanged according to the matter desired to be stenciled.

Heretofore in the stenciling of freight cars and the like, in order to apply the wording to the side of the cars in a uniform manner skilled help has been employed and the various wording measured off on each car so that it would be uniformly applied. By the use of my improved stenciling apparatus the work may be done by unskilled labor, so that a considerable saving in the rate of wages may be effected and furthermore considerable saving in time, because the apparatus may be readily secured to the side of the car by a gauge so that the lettering will always be in a like position and uniformly spaced without the time formerly required for lining up the matter.

For a better understanding of my invention reference is to be had to the accompanying drawings, in which—

Fig. 1 is a front view or face elevation of the apparatus applied to the side of a freight car;

Fig. 2 is an enlarged right end elevation of Fig. 1 with the upper part in section to show the insertion of the stencil in the main frame; and

Fig. 3 is a perspective view of one of the stencils with its supporting frame.

Referring now more in detail to the preferred form of my invention as shown herein, I provide a suitable frame A having a plurality of appropriately positioned stencil receiving openings therein so as to receive the stencils. This main frame A is preferably in the form of a skeleton frame comprising marginal sections including the outer framework 5, 6, 7, 8 and appropriate partitions therein. In the particular form of frame shown, horizontal partitions 9, 10 and 11 extend across the frame and in the upper horizontal section vertical partitions as 12 extend so as to provide openings to receive the large letters "C B & Q", which represent the name of one particular railroad. Between the partitions 9—10 I provide a suitable handle 13 so that the apparatus may be grasped at this point and held up against the side of the car, so that the operator may insert an awl as through the hole 14 which is drilled through the frame.

Between the cross partitions 10—11 the car numbers may be inserted, sufficient space being provided to receive the desired maximum number of stencil sections 16.

At the lower left corner of the apparatus I provide a space 17 in which appropriate marking may be placed such as "Capacity", "Load limit" and "Light weight", this being standard marking for freight cars. To the right of this marking, that is in section 18, a stencil containing the desired weights is carried.

Off to the lower right hand corner of the apparatus I provide a marking 19 to indicate the shop in which the work is done and to the right of that a stencil 20 is inserted containing the date of the work. This stencil 20 extends beyond the main frame at the point of date only, rather than to build the entire frame off this way to the right.

In order to uniformly position the frame upon the side wall of the car, I provide depending legs 21—22 having laterally extending feet 23′ which set up against the lower sill 24′ of the car and thus not only act as a gauge, but also assist in retaining the stencil frame against a side wall of the car.

In order to hold the stencils in the frame and at the same time permit a ready interchange of lettering, these stencil frames are inserted into the opening and rest against backing sections in the form of thin metal plates 23 which are fastened against the back of the partitions at appropriate places. I then apply turn buttons 24 at suitable places upon the face of the frame so that the individual stencils may be retained but readily removed.

In Fig. 3 I have shown a stencil adapted for use with the larger letters, so that there are no bridge pieces employed and thereby a full letter may be applied. In the stencil shown a wooden marginal frame 25 is provided having a suitable cut out stencil 26 secured thereon with the block portions as 27 held by wires 28 which fasten across the face of the stencil and to which the various sections are fastened in a suitable way, such as by staples 29. Thus with the thin wire 28 alone passing across the cut out por-

tions of the stencil, the block portions are held in place and when paint is applied it readily passes around back of the wire so as to provide a full outline to the letter.

In the use of the stenciling apparatus the skeleton framework is first built up to take the appropriate marking and of such shape and disposition as to properly apply the various lettering and numerals. The various stencils are then inserted as indicated for example in Fig. 1, the stencil 16 second from the right end being shown as it is being slipped into place. The operator then grasps the frame by the handle 13 and applies it against the side of the car so that the gauges or feet sections 23 abut the lower side of the sill. The frame is then secured to the side of the car in any suitable manner, preferably by inserting an awl through the opening 14 at the center of the frame and driving the awl into the side of the car. The paint is then applied and thereafter the stencil frame removed.

It will thus be seen that I have provided a one-piece stencil which has many advantages in that it simplifies the stenciling, eliminating the laying out of the lettering, this work being done in the shop by skilled help which is saved in the work of stenciling the cars. The apparatus thus properly spaces the lettering and numerals without the previous laying out, thus giving accuracy and uniformity. The stencil lettering or numerals for the car numbers, weight, date, etc., may be readily changed with a great saving in time. The renewing of the stencil sheeting requires only the stencil paper and work of cutting out the individual sections, which may be used over and over again rather than for one job only. Furthermore, the individual stencils may be more readily washed and cleaned than the large combined stencils.

Although I have shown a preferred form of my improved apparatus, I contemplate making it up in other ways than that shown and described, and therefore I do not desire to be limited to the exact structure illustrated but aim to cover all that which comes within the spirit and scope of the appended claims.

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

1. A car stenciling apparatus including a rectangular frame having a plurality of appropriately positioned stencil receiving openings therein, interchangeable stencils for insertion in said openings, means for readily removably holding the stencils in the openings whereby they are readily interchangeable according to the matter desired to be stenciled, and depending legs having laterally extending stops adapted to be placed under the sill of the car to properly position the frame on the side wall thereof.

2. A stencil comprising a skeleton frame having rows of stencil plate receiving openings therein, a plurality of interchangeable stencil plates arranged to be received in selected openings, fastenings carried by the skeleton frame for removably holding the stencil plates in their respective openings, and means for supporting the skeleton frame against a vertical surface to be stenciled.

3. A stencil comprising a skeleton frame having rows of stencil plate receiving openings therein, a plurality of interchangeable stencil plates arranged to be received in selected openings, fastenings carried by the skeleton frame for removably holding the stencil plates in their respective openings, and brackets depended from the skeleton frame adapted to be slipped beneath the lower edge of the vertical surface to be stenciled, and a supporting element adapted to pass transversely thru the frame and engage the vertical surface.

4. A stenciling apparatus for lettering and numbering freight cars including a rectangular marginal frame, marginal partitions within the frame spaced to provide stencil frame receiving openings, stencils for insertion in said openings and representing the railroad name, number and weight of a specific freight car, and means for removably holding the stencils in the openings whereby they may be readily interchanged according to matter desired to be stenciled.

In witness whereof, I hereunto subscribe my name this fourth day of March, 1926.

WILLIAM H. SCHOGER.