May 26, 1925. 1,538,908

T. C. SCHULTZ

REGISTERING TABLE

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Fig. 2.

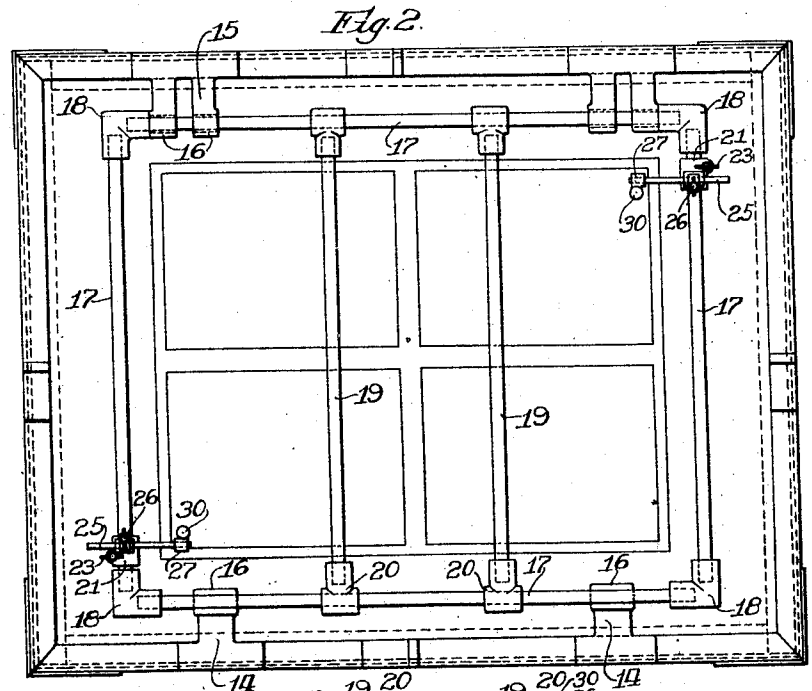
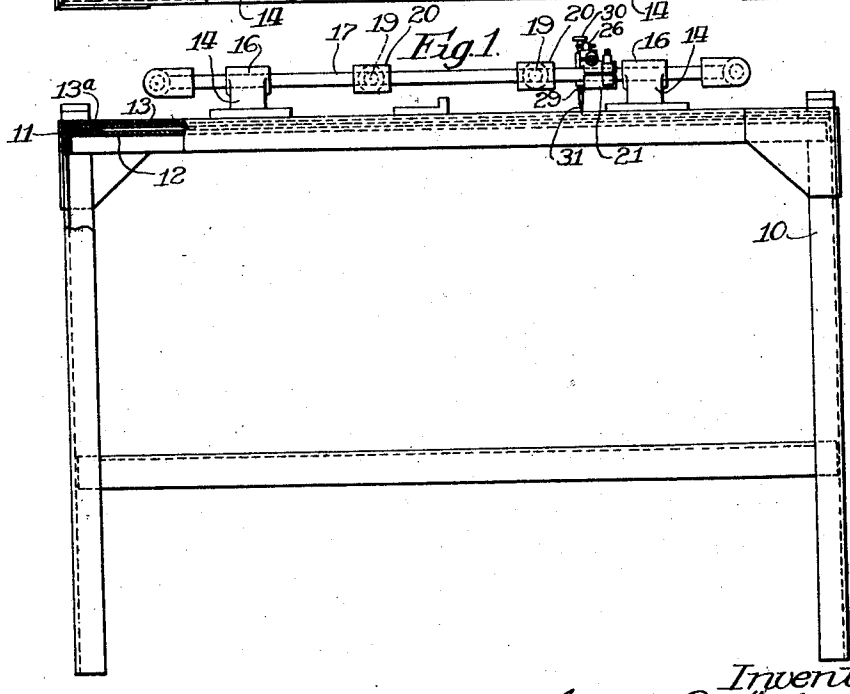


Fig. 1.



Inventor:
Theodore C. Schultz
By
Frank D. Thomason Atty

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REGISTERING TABLE

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Fig. 3.

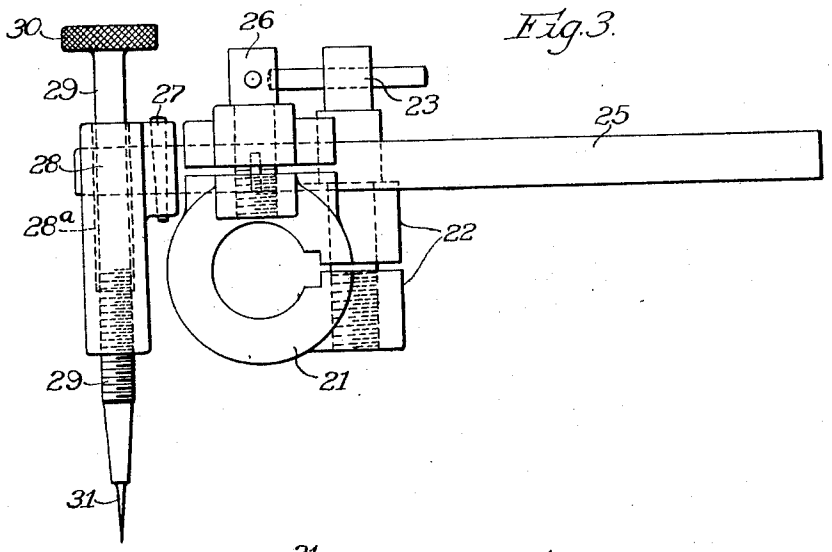


Fig. 4.

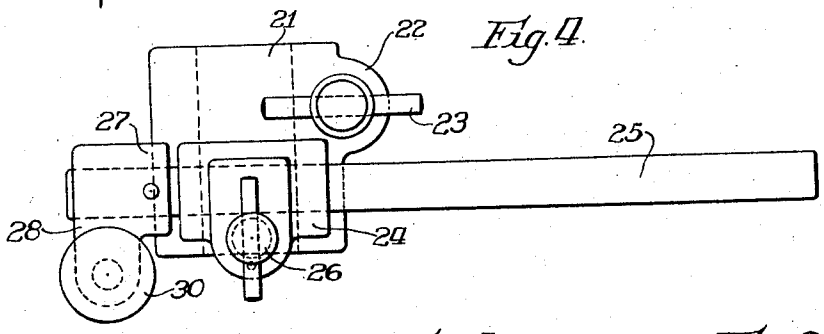


Fig. 5.

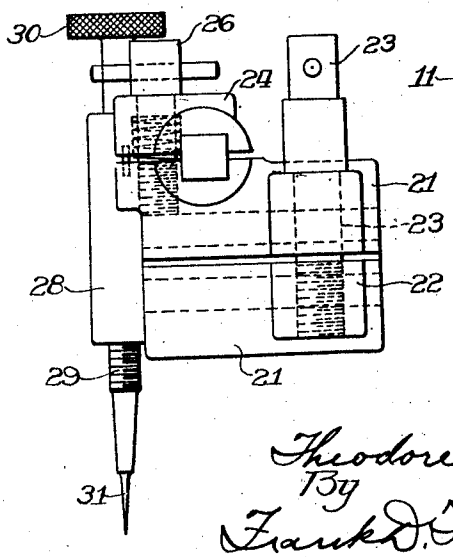
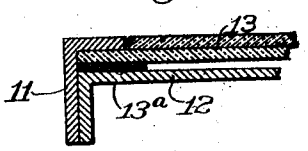


Fig. 6.



Inventor:
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Patented May 26, 1925. 1,538,908

UNITED STATES PATENT OFFICE.

THEODORE C. SCHULTZ, OF RIVER FOREST, ILLINOIS, ASSIGNOR TO THE TRIBUNE COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

REGISTERING TABLE.

Application filed September 27, 1922. Serial No. 590,861.

To all whom it may concern:

Be it known that I, THEODORE C. SCHULTZ, a citizen of the United States, residing at River Forest, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Registering Tables, of which the following is a full, clear, and exact description.

My invention relates to layout tables for registering films as yellow, red, blue, and black each representing a part of a complete set of color films for one picture.

The object of my invention is to do this work easily, accurately, and quickly, by means that accurately maintain the relative position of the individual color films to one another substantially as hereinafter fully described.

In the drawings:

Figure 1 is a side view of my invention.

Figure 2 is a plan view thereof.

Figure 3 is a side view of a needle and holder therefor segregated and drawn to a larger scale.

Figure 4 is a plan view thereof.

Figure 5 is an end view thereof.

Figure 6 is a detail view showing a fragment of the top in section.

In the drawings 10 represents a table, preferably, made of metal and having a leg at each corner, a top, (the rim 11, of which is of metal), and a central portion 12 of sheet metal. Over this metal top a ground glass plate 13 is placed that is supported and rests upon felt pads 13^a. There may be one or more of these pads on each side of the table.

The rim 11 of the top of the table is of angle-iron and each of the longer sides of said rim has standards 14, 14, and 15, 15, that consist of supporting-plates that support a horizontal tubular portion 16 or portions, the axes of which are parallel to the rim of the table. Longitudinal metal rods 17 are mounted in portions 16, and form a rectangular frame, the corners of which are connected by means of elbows 18.

If it is desired the rods 17 of this frame may have one or more cross-bars 19, 19, mounted thereon through the medium of tubular guides 20 which latter are adjustable upon said rods 17, in the direction of the length of the rectangular frame.

Suitable carriers for needles are adjustably mounted upon the rods 17, and the cross-bars 19 of the rectangular frame. These consist of split tubular bosses 21 that have lugs 22 projecting from the split ends, through which a set-screw 23 is tapped. By tightening the screw 23 said tubular supports 21 can be secured anywhere along the length of rods 17 and cross-bars 19. Each of these bosses 21 have a split tubular boss 24 arising therefrom whose axis is at right angles thereto, and a shaft 25 is inserted through the bore of this latter boss 24, that can be adjusted lengthwise in said boss to any position within its length, and secured in such position by a set-screw 26 tapped through split lugs projecting laterally from the split boss 24.

On the end of shaft 25 projecting inward over the glass 13, is a needle holder carrier. This carrier consists of a tubular boss 27 that is keyed to said shaft, and this boss has a lateral lug 28 that has a downwardly disposed vertical tubular portion 28^a down through which a screw 29 is tapped axially. The upper end of this screw has a milled circular head 30 by means of which it can be manipulated and the lower end of said screw is tapered and has a downwardly extending needle 31 secured axially therein.

In operation the films representing, say the yellow of a color picture, are placed on the glass plate 13, and the needle points are set to the registering marks that are photographed on this film. After all the pins have been set to the registering marks of said yellow film, the holder (which is hinged in bracket 15) with the needles is raised and another film is placed on the table. The films representing, say, the red of said color picture are then laid on the glass, and registered to the needle points, the registering works on the films representing red, are identically the same as the ones on the yellow films. The operation for the blue and black film is the same as with the red film. Prints are taken on sensitized carbon paper, and then these carbon papers are placed upon the cylinders of the printing press and etched thereon.

What I claim as new is:

1. A photographic layout table comprising a flat top, a glass plate over the same, standards secured to and arising from the rim of the same that have tubular supports, rods carried by said supports, and extending substantially parallel to the top

of said table, carriers consisting of bosses adjustably mounted on said rods, needle supporting bars adjustably mounted in said carriers, said bars having vertical tubes, screws adjustable vertically in said tubes, and needles secured in said tubes and depending axially in the lower ends of the same.

2. A photographic layout table comprising a flat top, a glass plate over the same, standards secured to and arising from the rim of the same that have tubular supports, rods carried by said supports and extending substantially parallel to the top of said table, cross-bars the ends of which are adjustably mounted on said rods, carriers consisting of bosses adjustably mounted on said rods, and having vertical tubes, screws adjustable vertically in said tubes, and needles secured in said tubes and depending axially in the lower ends of the same.

3. A photographic layout table comprising a flat top, a rectangular frame mounted on said top, sliding carriers mounted on said frame, means for clamping said carriers in position on said frame, rods slidably mounted in said carriers and projecting into the confines of the frame, and a vertically adjustable needle mounted on the end of said rod.

In witness whereof I have hereunto set my hand this 31st day of August, 1922.

THEODORE C. SCHULTZ.

Witnesses:
FRANK D. THOMASON,
VIOLET WARDELL.