July 28, 1925. 1,547,945

L. MUSTAPICH

DEVICE FOR PRODUCING GROUND GLASS EFFECTS ON FILMS

Filed Nov. 27, 1923

Fig. 1.

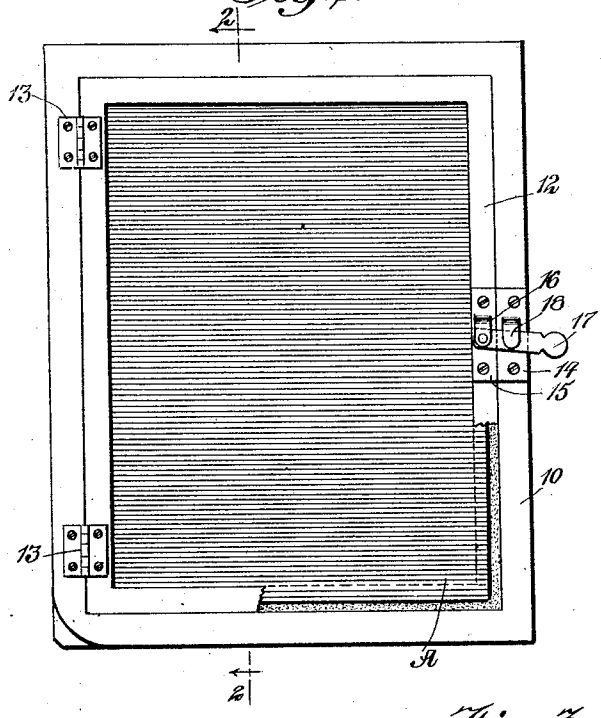


Fig. 2.

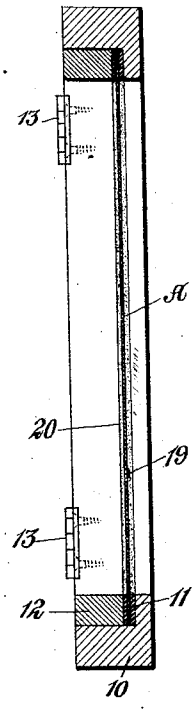
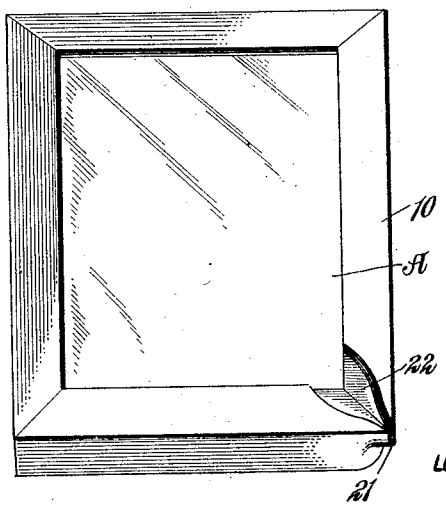


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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DEVICE FOR PRODUCING GROUND-GLASS EFFECTS ON FILMS.

Application filed November 27, 1923. Serial No. 677,336.

To all whom it may concern:

Be it known that I, LUKA MUSTAPICH, a subject of the King of Yugoslavia, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Device for Producing Ground-Glass Effects on Films, of which the following is a description.

My invention although capable of use for varnishing films is more particularly intended for use to produce ground glass effects on films. It is a common practice to frost glass photographic plates for the purpose of enabling a background to be sketched into a photograph, the stiffness of the plate and its permanent form lending itself to the ready flowing of the frosting fluid. The means for frosting glass is not practical with films owing to the flexibility of the film and the practical impossibility of holding the film in a single plane for the effective flowing of the frosting fluid.

The general object of my invention is to provide a device whereby a film may be frosted effectively and with facility.

The nature of my invention and its distinguishing features and advantages will clearly appear as the description proceeds.

Reference is to be had to the accompanying drawings forming a part of this specification, it being understood that the drawings are merely illustrative of one example of the invention.

Figure 1 is an inverted plan view of my improved device part of the clamping frame being broken away;

Figure 2 is a longitudinal section as indicated by the line 2—2, Figure 1;

Figure 3 is a plan view of the front of the device.

In carrying out my invention in accordance with the illustrated example, I provide a rectangular frame 10 rabbeted at the interior to provide a seat 11 extending along the four sides of the frame. A clamp frame 12 is provided adapted to fit within the plane of the frame 10 and secured along one side to the latter by suitable hinges 13. Any approved fastening means is provided to hold the clamping frame 12 in the closed position within the frame 10, there being shown plates 14, 15 on frame 10 and clamp frame 12 respectively, the plate 15 on the frame 12 having an overhanging lug 16 to which a latch 17 is pivotally fastened, said latch adapted to be swung beneath a retaining overhanging lug 18 on frame 10.

The film indicated by the letter A is accommodated in the frame 10 within the rabbet thereof so that its several edges are adapted to rest on the seat 11. In order to clamp the film fluid-tight so that none of the frosting fluid may escape around the edge of the film, the seat is provided with a strip 19 of rubber and the clamping frame 12 is similarly provided on its inner face or that face opposed to the seat 11 with a rubber strip 20 so that the film is clamped firmly between the two rubber strips and a fluid-tight joint made when the film is clamped in place.

My improved device is made in a form to constitute it a tray to receive a frosting fluid. The tray is defined by the inner walls of the main frame 10 and the bottom of the tray is formed by a clamped film A. Thus, liquid poured into the frame 10 at the front will be confined therein and the device may be manipulated to flow the fluid over the surface of the film, A. As seen in Figure 3 the tray has a pouring spout 21 formed at a corner of the frame 10, the angle or rabbet of the frame 10 being formed with a depression 22 leading to said spout. The depression 22 is depressed preferably on curved lines from the inner end thereof to the salient angle of the frame 10 at the miter. Thus, in practice, after the fluid has been poured into the frame 10 and flowed sufficiently over the surface of the film A, the surplus fluid is poured off through recess 22 and spout 21.

The described device is effective in holding the film A firmly in a single plane for the proper flow of the frosting fluid, or for the flow of a varnish.

I would state in conclusion that while the illustrated example constitutes a practical embodiment of the invention, I do not limit myself strictly to the exact details herein illustrated, since, manifestly, the same can be considerably varied without departure from the spirit of the invention as defined in the appended claims.

Having thus described my invention, I claim:

1. A device for subjecting a film to a fluid, said device comprising a frame having a rabbet at the interior forming a seat for the film to be treated, said seat disposed in a depressed position within the plane of a

side of the device so that the device at said side constitutes a tray with the film forming the bottom of the tray, a clamp frame fitting said rabbet and adapted to firmly hold the film on the seat of the first means, and a pouring spout on the first frame at a corner of the rabbet to permit the pouring off of the fluid employed in treating the film.

2. A device for subjecting a film to a fluid, said device comprising a frame at one side of the device and having means to position the film to constitute the bottom of the frame and form a tray, and a clamp frame fitting within the first frame at the opposite side of the first frame to firmly hold the film in position, said tray having at a corner thereof a pouring spout, and a recess leading from the interior of the tray to said spout.

LUKA MUSTAPICH.