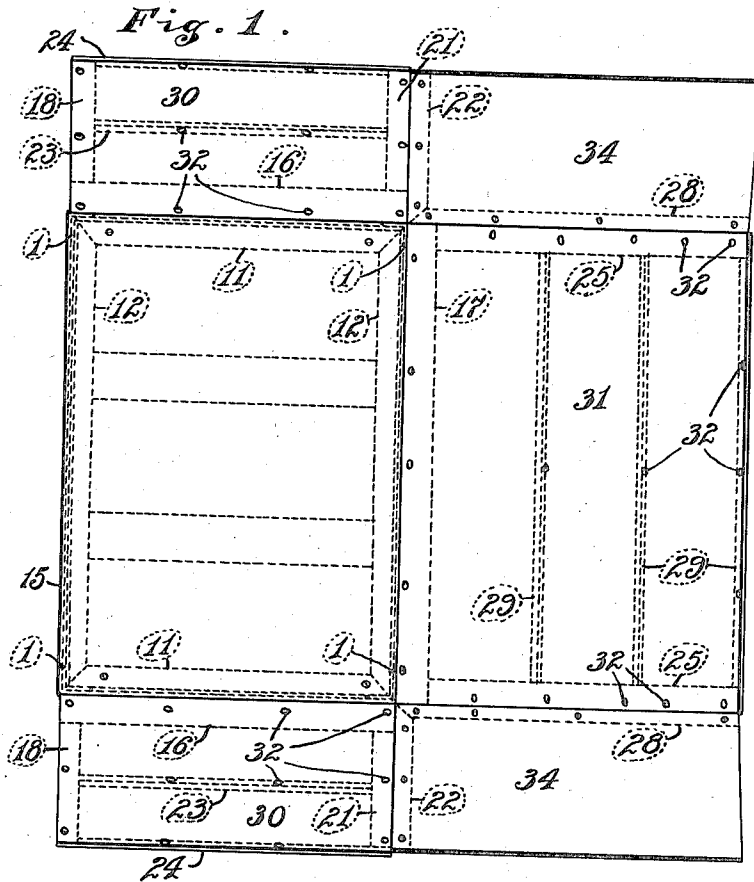
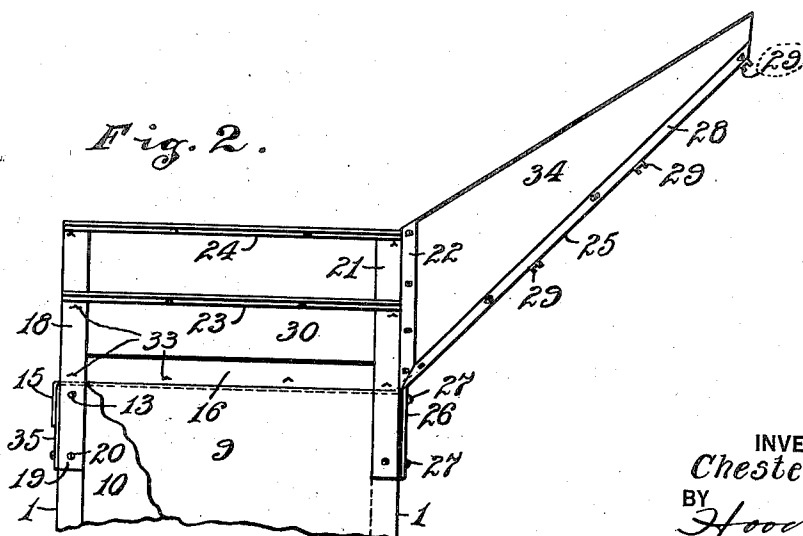


Jan. 5, 1937.

C. A. FRICK
PAINT SPRAYING BOOTH
Filed July 17, 1935

2,066,616

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig. 3.

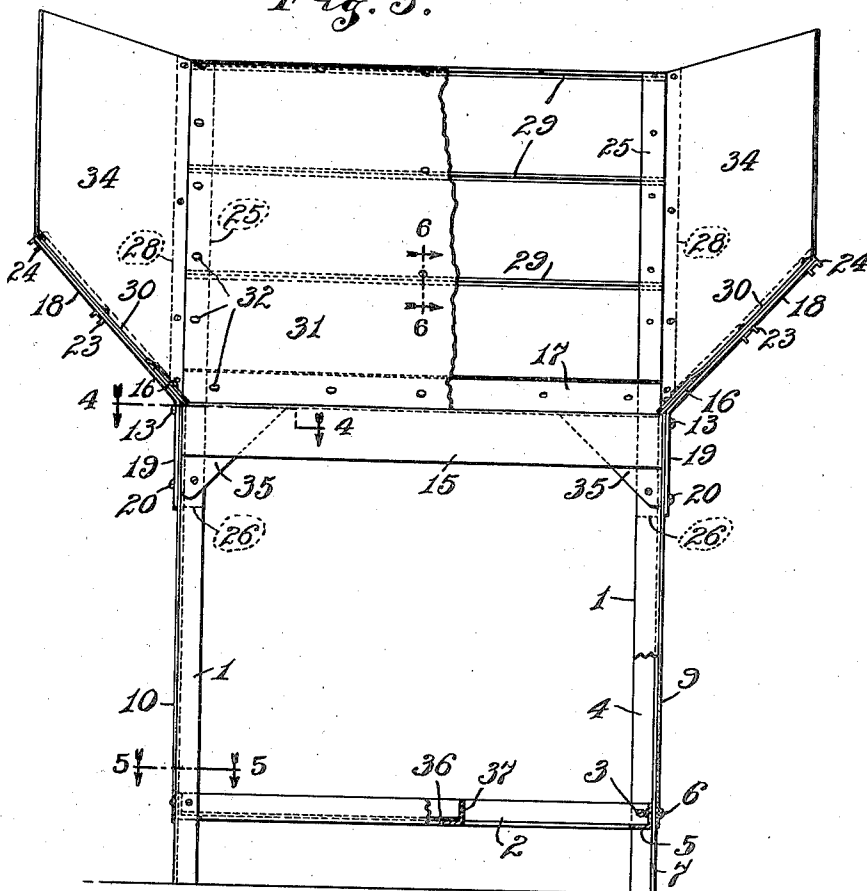


Fig. 4.

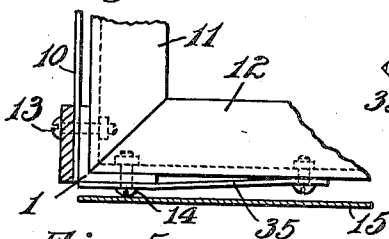


Fig. 6.



Fig. 7.

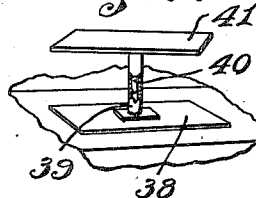
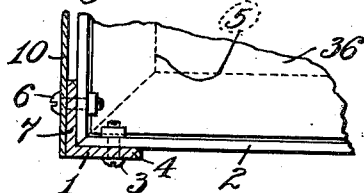


Fig. 5.



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UNITED STATES PATENT OFFICE

2,066,616

PAINT SPRAYING BOOTH

Chester A. Frick, Muncie, Ind.

Application July 17, 1935, Serial No. 31,812

4 Claims. (Cl. 91—60)

My invention relates to improvements in spray booths primarily intended for supporting and enclosing articles to be coated or painted by a spraying method.

It is one of the objects of my invention to provide a spray booth or table which may be readily knocked down for transportation purposes, which will occupy a minimum of space and which will provide means whereby the backing material against which the spray will impinge may be renewed from time to time without disassembling the entire booth.

For the purpose of disclosing my invention I have illustrated an embodiment thereof in the accompanying drawings, in which:

Fig. 1 is a plan view of a booth embodying my invention;

Fig. 2 is a side elevation thereof;

Fig. 3 is a front elevation thereof;

Fig. 4 is a sectional view on the line 4—4 of Fig. 3;

Fig. 5 is a sectional view on the line 5—5 of Fig. 3;

Fig. 6 is a detail section on the line 6—6 of Fig. 3; and

Fig. 7 is a perspective view, partly in section, of the rotatable table for supporting articles to be painted.

In the structure illustrated, I provide a base or table portion which preferably comprises the four corner posts or legs 1 formed of angle members and connected together at their bottoms by front and back cross braces 2. These cross braces comprise angle members with their vertical legs bolted as at 3 to one leg 4 of each pair of front and back legs. Similar end angles 5 are bolted as at 6 to the opposite legs 7 of the corner posts whereby the parts are rigidly connected together near the bottom. Side plates 9 and 10 are bolted to the pairs of posts at each end and at their tops the posts are connected together by suitable end and side angles 11 and 12 bolted as at 13 and 14 to the respective posts of the table. This provides a rigid frame on which the remaining parts may be mounted.

A table top is formed of a flat piece of metal which rests on the top of the frame heretofore described. This top is provided with a downturned apron 15 which extends slightly downwardly over the front of the frame and the two sides of the top are turned upwardly and flared outwardly as at 16. A similar upwardly and outwardly flared portion 17 is provided at the back.

Flaring upwardly and outwardly from each side is a wing comprising a skeleton formed of a front

upwardly and outwardly inclined brace 18 having a vertical leg 19 bolted to the front corner post by the bolts 13 and 20. A similar brace 21 extends upwardly from the rear corner post and this brace 21 has a slightly angularly disposed flange 22. Horizontal connecting braces 23 and 24 extend between the braces 18 and 21.

A pair of upwardly and rearwardly extending braces 25, each provided with a straight portion 26 bolted as at 27 to the rear legs, is provided and each of these braces is provided with an angularly disposed ear or flange 28. These rear braces are connected together by cross braces 29.

The above parts are all connected to the frame by bolts so that they may be readily disassembled for the purpose of shipment.

The side wings are covered by suitable covering material, such for instance as heavy paper or the like, and this material 30 is secured in position by clips, preferably of the type illustrated in Fig. 6, which pass through holes in the paper and thence through openings in the straps and cross braces to hold the paper in position. The bottom edge of this covering extends downwardly and over the upwardly flared portion 16 of the table top. The rear wing is likewise covered with removable paper as 31 and this paper is secured in position by the rivets 32, illustrated in Fig. 6, which pass through the paper and through the various braces, being provided with turned-over ends 33, to hold the paper in position.

The rear corner wings 34 are preferably formed of sheet metal. As it will be noted, there is no brace for the upper and rearward corner thereof. For this reason these wings are made of stiffer material and, as above stated, may be of sheet metal. Furthermore, the accumulation of paint on these two wings is not as great and the necessity for cleaning or removing the same is not as great.

In addition to the upper and lower braces for the frame, I provide at the corners gussets 35 which are bolted to the corner posts and to the top cross bars of the frame. For providing a shelf to accommodate various tools, etc., a sheet metal pan 36 is secured between the front and back bottom braces and between the intermediate cross brace 37.

It is frequently desired to rotate the article to be sprayed and to this end I provide a turntable which consists of a flat base 38 having a hollow post 39 extending upwardly therefrom. Within this post fits a spindle 40 and this spindle carries a table 41. This provides a cheap turntable

which may be mounted or placed on the table of the spray booth.

The above construction provides a spray booth table having suitable wings so disposed as to confine the spray from the gun within well defined limits and at the same time provides means whereby the confining wings may be removed and fresh ones replaced from time to time as they accumulate paint on their surfaces.

10 I claim as my invention:

1. A spray booth comprising a flat topped table, skeleton wings inclined upwardly and outwardly from each of two sides of said table, a removable sheet secured to each of said skeleton wings, a skeleton back inclined upwardly and rearwardly from said table, a removable covering secured to said back, and intermediate wings detachably connected to the side edges of said back skeleton and to the rear edges of said side skeleton.

20 2. A spray booth comprising a flat topped table, arms extending upwardly and outwardly at each side of said table, a pair of arms extending upwardly and rearwardly from the rear corners of said table, removable sheets secured to said arms, and removable wings secured to the rear edges of the rear side arms and to the side edges of the rear arms.

30 3. A spray booth comprising a frame having corner posts forming the legs thereof, a flat top removably mounted on the tops of said legs, a brace extending upwardly and laterally from each

of the legs, removable sheets secured to each pair of braces to form upwardly and outwardly extending side wings, a pair of braces secured to the two rear legs and extending upwardly and rearwardly therefrom, removable sheets secured to said braces, and a pair of wings connected to the side edges of each of said rearwardly extending braces and to the rear edges of the rearmost of the laterally extending braces.

4. A spray booth comprising a rectangular frame having four corner legs, front and side braces removably connected to said legs at their bottoms, front and side braces removably connected to said legs at their tops, a removable table top resting on the top of said frame and having upwardly and outwardly inclined wings, a pair of braces removably secured to the sides of each pair of end legs extending upwardly and outwardly, sheets removably secured to said braces and overlapping the wings of said table top, a pair of upwardly and rearwardly extending braces secured to the rear edges of the two back legs, a removable sheet secured to the said rear braces and overlapping the rear wings of said table top, and a pair of wings on each side of said rear extension connected to said rearwardly extending braces along one edge and connected to the rearmost of each pair of said braces along another edge.

CHESTER A. FRICK. 30