

G. W. & H. A. WISE.
METALLIC FRAME FOR SODA FOUNTAIN COUNTERS.
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1,002,950.

Patented Sept. 12, 1911.

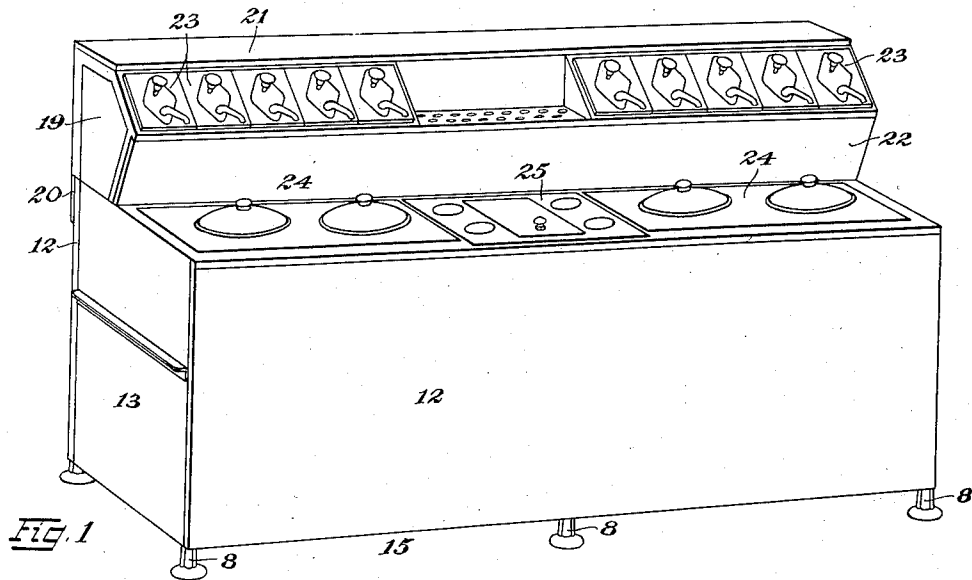


Fig. 1

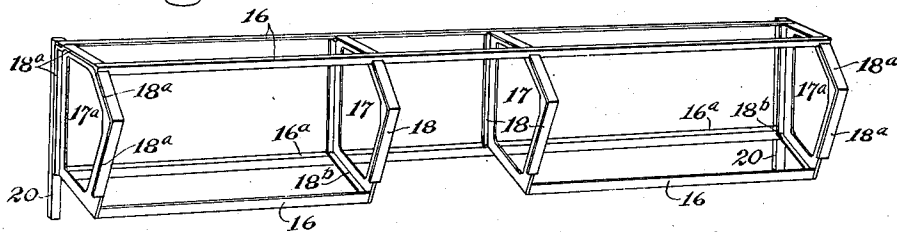


Fig. 2

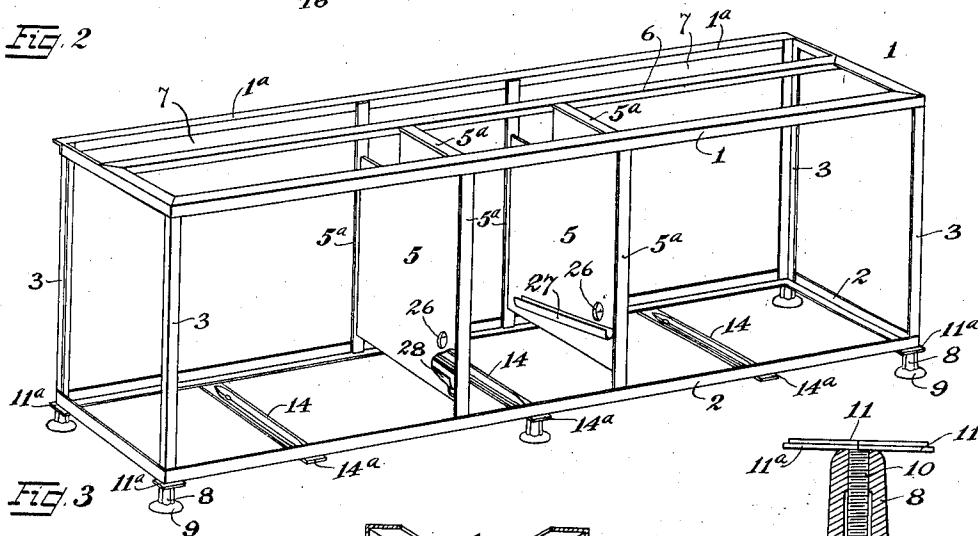


Fig. 3

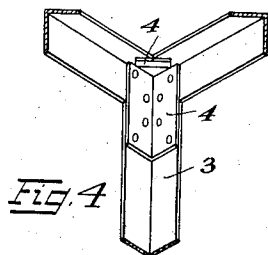


Fig. 4

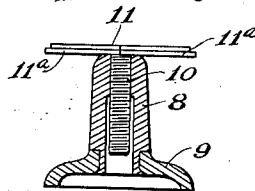


Fig. 5

Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE W. WISE AND HENRY A. WISE, OF CLEVELAND, OHIO, ASSIGNORS TO THE WISE SODA APPARATUS COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

METALLIC FRAME FOR SODA-FOUNTAIN COUNTERS.

1,002,950.

Specification of Letters Patent.

Patented Sept. 12, 1911.

Original application filed November 29, 1909, Serial No. 530,523. Divided and this application filed April 25, 1910. Serial No. 557,333.

To all whom it may concern:

Be it known that we, GEORGE W. WISE and HENRY A. WISE, citizens of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Metallic Frames for Soda-Fountain Counters, of which the following is a specification.

Our invention relates to improvements in metallic frames for soda-fountain counters, and other analogous structures.

The primary object of the invention is to entirely eliminate wood as a material in such structures, and to provide a generally improved metallic frame-work for securing, supporting and reinforcing the marble walls whereby a generally improved structure of great strength and durability is provided, the present embodiment of the invention being particularly designed and adapted for use in connection with a soda-fountain of the general character described and claimed in our application filed November 29, 1909, Serial No. 530,523, of which this application is a divisional part.

While our invention is admirably adapted for use in the construction of soda fountain counters, it will of course be obvious that it may be readily adapted or embodied for use in connection with other, or similar structures where marble, glass, and similar material, are extensively used as a component part.

With the above mentioned and other ends in view, the invention consists in the novel construction, arrangement, and combination of parts, hereinafter described, illustrated in one of its embodiments in the accompanying drawings, and particularly pointed out in the appended claims.

Referring to the drawings, forming a part of this specification, Figure 1, is a perspective view of a soda-fountain embodying our improved metallic frame. Fig. 2, a perspective view of the container-counter frame portion comprised in the improved supporting and reinforcing metallic frame. Fig. 3, a perspective view of the main body portion of the improved metallic frame. Fig. 4, a perspective view of one of the reinforced corners of the improved metallic

frame. Fig. 5, a detail sectional view of one of the adjustable supporting legs.

Similar numerals of reference designate like parts throughout all the figures of the drawings.

The main body portion of the improved soda-fountain is supported and reinforced by means of a metallic frame (see Fig. 3) comprising upper and lower angle-bar frames 1 and 2, respectively, preferably of rectangular form, and angle-bar corner posts 3, secured and reinforced within the corners of said angle-bar frames by means of metallic reinforcing plates or members 4, said plates or members 4, being securely riveted and soldered therein as indicated in Fig. 4, of the drawings.

The angle-bar frames 1, and 2, are provided, intermediate their ends, with metallic cross partition plates or heads 5, said partition plates being preferably of cast brass and provided with integral flange portions 5^a, secured within the inner sides of the angle-bars of the frames 1, and 2. The upper frame 1, is provided near its rear with a second angle-bar strip 6, forming an opening 7, for the reception of a container-counter frame hereinafter described, said angle-bar strip 6, resting intermediate its ends upon the flange portions 5^a, formed at the upper portions of the partition plates 5.

The frame of the main body portion of the fountain is adapted to be supported upon adjustable legs 8, secured to the lower frame 2. The adjustable legs each comprise a base portion 9, carrying a rotary internally threaded standard or sleeve 8, said sleeve carrying a threaded shank 10, provided with a top or bearing plate 11. The bearing plates 11, of the adjustable legs at the corners of the main frame are provided with outwardly extending flanges or projections 11^a, adapted to engage and support the corners of the marble side and end walls 12, and 13, respectively, when the latter are secured about the sides of the metallic frame. As a further means of supporting said marble side and end walls the lower frame 2, is provided with channel shaped metallic cross bars 14, provided with ledges or projections 14^a, extending beyond the front and rear sides of the lower frame and adapted to

take under and support the lower marginal edges of the marble side walls 12, when the latter are secured on the front and rear sides of the improved frame. The marble base or bottom wall 15, is adapted to have its marginal edges rest within and be supported upon the angle-bars comprised in the lower frame 2, its intermediate portions resting upon and supported by the metallic cross bars 14.

The container-counter frame comprises a plurality of longitudinal extending angle-bars 16, secured to peripherally flanged intermediate and end supporting frames 17, and 17^a, respectively. The peripheral flanges 18, on the intermediate frames 17, extend laterally on either sides thereof, and the peripheral flanges 18^a, on the end frames 17^a, extend on the outsides only, said peripheral flanges 18^a, corresponding in width to the thickness of the marble end walls 19, of the container-counter so as to support and extend flush with the marginal edges of the end walls 19, as shown most clearly in Fig. 1, of the drawings. The depending angle portion of the container-counter frame is adapted to rest within the longitudinal opening 7, of the main frame, the lower front angle-bar 16^a, resting upon the correspondingly shaped angle-bar 1^a, of the upper frame 1, when the container-counter is mounted upon the main frame.

The container-counter frame is provided at its front with vertical bars 20, said vertical bars having their ends extended to rest in front of marble 12, and against the adjacent counter-slab (not shown) so as to provide an intermediate circulating passage or recess between the front wall 12, and the adjacent wall of the counter-slab. The container-counter frame is provided at its stop with the usual counter-slab 21, and at its rear with an inclined slab 22, said slab 22, being adapted to support the syrup container jars 23, in an inclined position as shown. The lower peripheral flanges 18^b, of the supporting frames and the flange portion of the lower longitudinally extending angle-bars 16, are adapted to support the marginal edges of inclined perforated racks (not shown) having openings to receive and support the lower ends of the syrup containers. It will be observed that the marble end walls 19, of the container-counter are protected from being chipped or otherwise injured by the peripheral flanges 18^a, extending about and protecting the same as herein described.

The metallic frame of the main body portion of the improved fountain is preferably of rectangular form, and the marble side and end walls 12, and 13, and base or bottom wall 15, are adapted to be secured to the frame by means of screws. Strips of heat insulating paper may be interposed between

the marble walls and the adjacent frame work to which they are attached as shown and described in our parent application hereinbefore referred to, for the purpose of preventing dampness getting in between the metallic frame work and the walls, as well as preventing the latter from becoming extremely cooled from the inside outwardly thus preventing sweating or the precipitation of moisture on the marble walls.

The storage cabinets 24, are divided from the intermediate cooling chamber or box 25, by means of the partition plates or heads 5, said partition plates being non-insulated and provided with brine inlet openings 26, adapted to carry the salt water brine arising from the freezing mixture in the storage cabinets into the bottom portion of the cooling chamber or box 25, when the improved frame is used in connection with a soda-fountain using our "brine or iceless system" of refrigeration as described and claimed in our said parent application. When so used the metallic partition plates or heads 5 are preferably provided with inclined troughs 27, and 28, on either side of the cooling chamber, the inclined trough 27, being adapted to deliver the salt water brine at the adjacent rear corner of the cooling chamber, and the short trough 28, at the other side being inclined forwardly and adapted to deliver the salt brine at the adjacent corner of the cooling box and diagonally opposite the rear corner which receives the brine from the first mentioned trough.

From the foregoing description, taken in connection with the accompanying drawings, the operation and advantages of our invention will be readily understood.

Having thus described an embodiment of our invention, what we claim and desire to secure by Letters Patent is,—

1. A metallic frame for soda-fountains, comprising a main frame consisting of upper and lower rectangular frames provided with corner posts, said upper frame being provided with a container-counter receiving opening, and a metallic container-counter frame seated in said opening and resting on said upper rectangular frame.

2. A metallic frame for soda-fountains, comprising a metallic main frame provided at its top with a second or intermediate bar extending parallel with the upper rear bar affording a longitudinally extending opening, and a metallic container-counter frame extending across said opening and resting on said bars at the sides of said opening.

3. A metallic frame for soda-fountains, comprising upper and lower angle bar frames, said upper frame being provided at its rear with a second longitudinal bar forming a longitudinal opening at the top and rear, corner post bars secured at the

corners of said frames, supporting bars secured to the intermediate portions of said frames and said second longitudinal bar, a polygonal shaped container-counter frame supported above said longitudinal opening and resting on said second longitudinal bar, and vertical bars extending from and in front of said container-counter frame.

4. In a metallic frame for soda-fountains, a main frame comprising upper and lower rectangular frames, said upper frame being provided near its rear with a second or intermediate bar, and said lower frame being provided with inner and outer marble supporting elements.

5. In a metallic frame for soda-fountains, a trussed main frame provided with marble supporting and protecting elements, a container-counter frame seated on and inter-

locking with said main frame, and means for securing said counter frame in seated position.

6. In a metallic frame for soda-fountains, comprising upper and lower rectangular frames, reinforcing members connected to and interposed between the intermediate portions of said frames, a container-counter frame seated on said upper rectangular frame, and means for securing said container-counter frame to the latter.

In testimony whereof we have affixed our signatures, in presence of two witnesses.

GEORGE W. WISE.
HENRY A. WISE.

Witnesses:

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