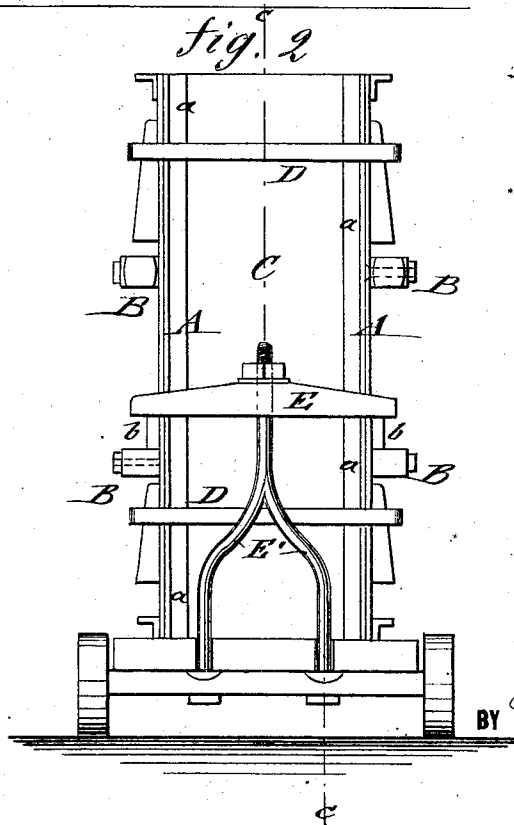
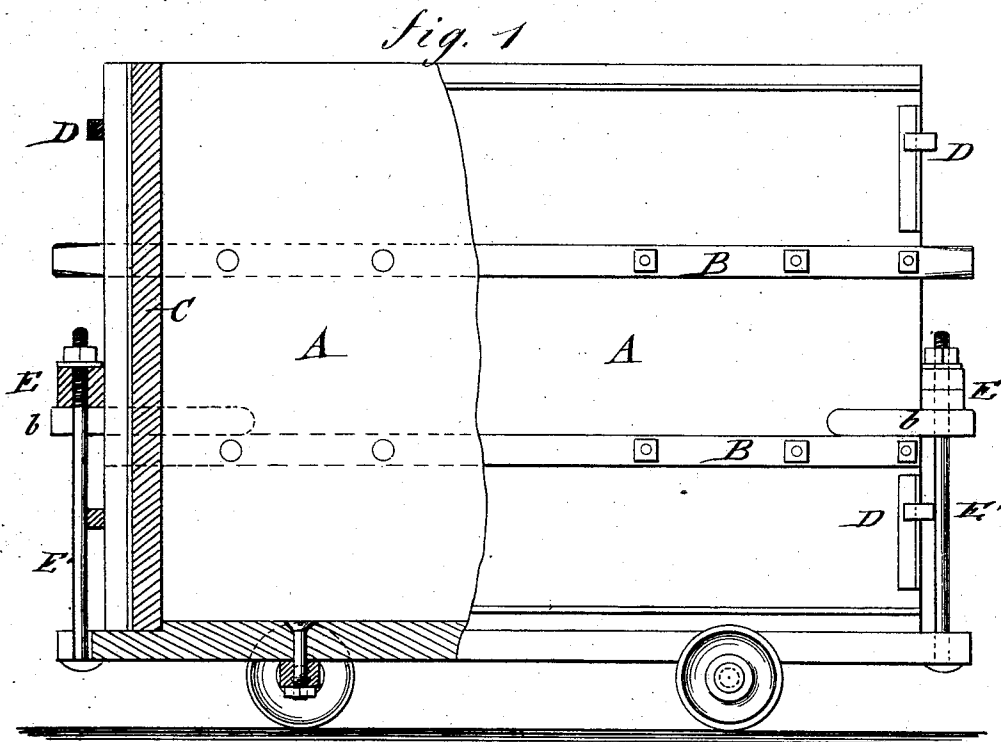


J. H. KELLER.
Soap-Frames.

No. 157,203.

Patented Nov. 24, 1874.



WITNESSES:
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INVENTOR:

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UNITED STATES PATENT OFFICE.

JOHN H. KELLER, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN SOAP-FRAMES.

Specification forming part of Letters Patent No. **157,203**, dated November 24, 1874; application filed September 12, 1874.

To all whom it may concern:

Be it known that I, JOHN H. KELLER, of New Orleans, parish of Orleans and State of Louisiana, have invented a new and Improved Soap-Frame, of which the following is a specification:

In the drawing, Figure 1 represents a side elevation of my improved soap-frame, partly in section, on line *c c*, Fig. 2; and Fig. 2 is an end elevation of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to frames for forming soap-blocks, which are more durable and cool the soap quicker than those hitherto in use.

These soap-frames have hitherto been made wholly of wood, so as to be bulky and heavy, requiring a long time for cooling the soap, or the frames have been made of iron, being liable to the objection that, however strong the sides were made, the hot soap would bend them out in the middle part, and produce, thereby, an irregular shape of the frame.

My invention has for its object to overcome these difficulties by constructing the soap-frame of iron and wood in such a manner that the iron walls are strengthened by wooden stiffening-bars, and the end walls made of wood to protect the iron flanges, the whole being firmly clamped together and to the bottom part.

In the drawing, A represents the larger side walls of my improved soap-frame, which are constructed of strong iron plates, and re-enforced by longitudinal stiffening-bars B, of

wood, applied, by strong countersunk bolts, to the outer side of the walls. These wooden bars B are not affected by the heat, being separated, by the iron main walls, from the hot soap, and preventing thereby any bending or getting out of shape of the walls A. Projecting flanges or ribs *a* run in vertical direction near the ends of side walls A, and serve to support the lateral walls C, which are made of wood, for protecting the supporting-flanges *a*. The side walls are firmly clamped together by lateral braces D, and by a cross-piece, E, bearing on strong extension-lugs *b*, and a forked connecting-bolt, E', with screw-nut *d*, to the bottom of the soap-frame, as shown in Fig. 2.

The frame is placed on wheels in the usual manner, and is strong, durable, compact, and effective in use.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A soap-frame for forming soap-blocks, constructed of iron side walls strengthened by longitudinal re-enforcing wooden bars, and of wooden end walls bound by the vertical flanges of the side walls, the whole being firmly clamped together and to the bottom part, substantially in the manner and for the purpose set forth.

JOHN HENRY KELLER.

Witnesses:

GEO. FENAL,
P. A. CONAND.