

Utsch's Combined Soap Cutting & Beading Machine.

118304

PATENTED AUG 22 1871

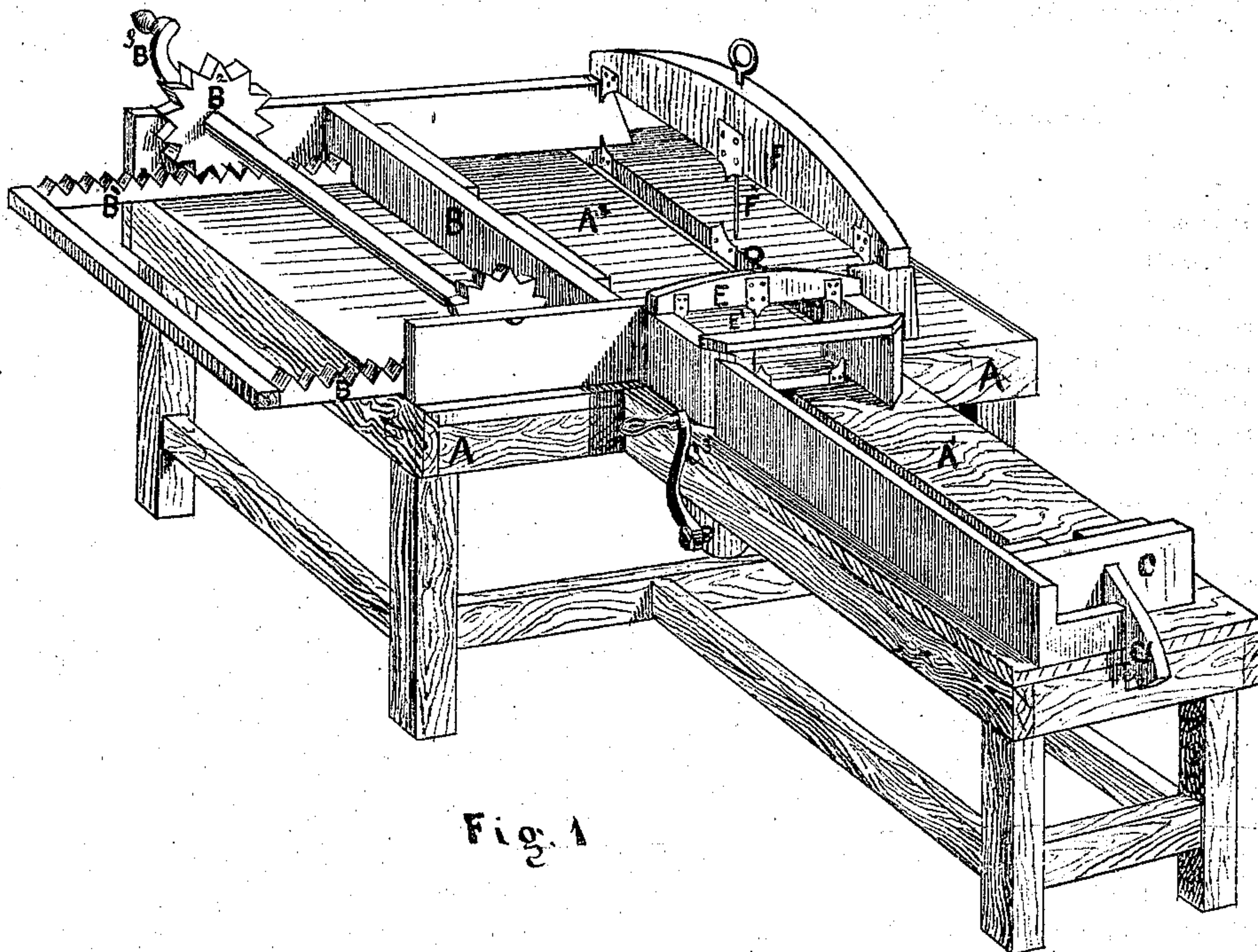


Fig. 1

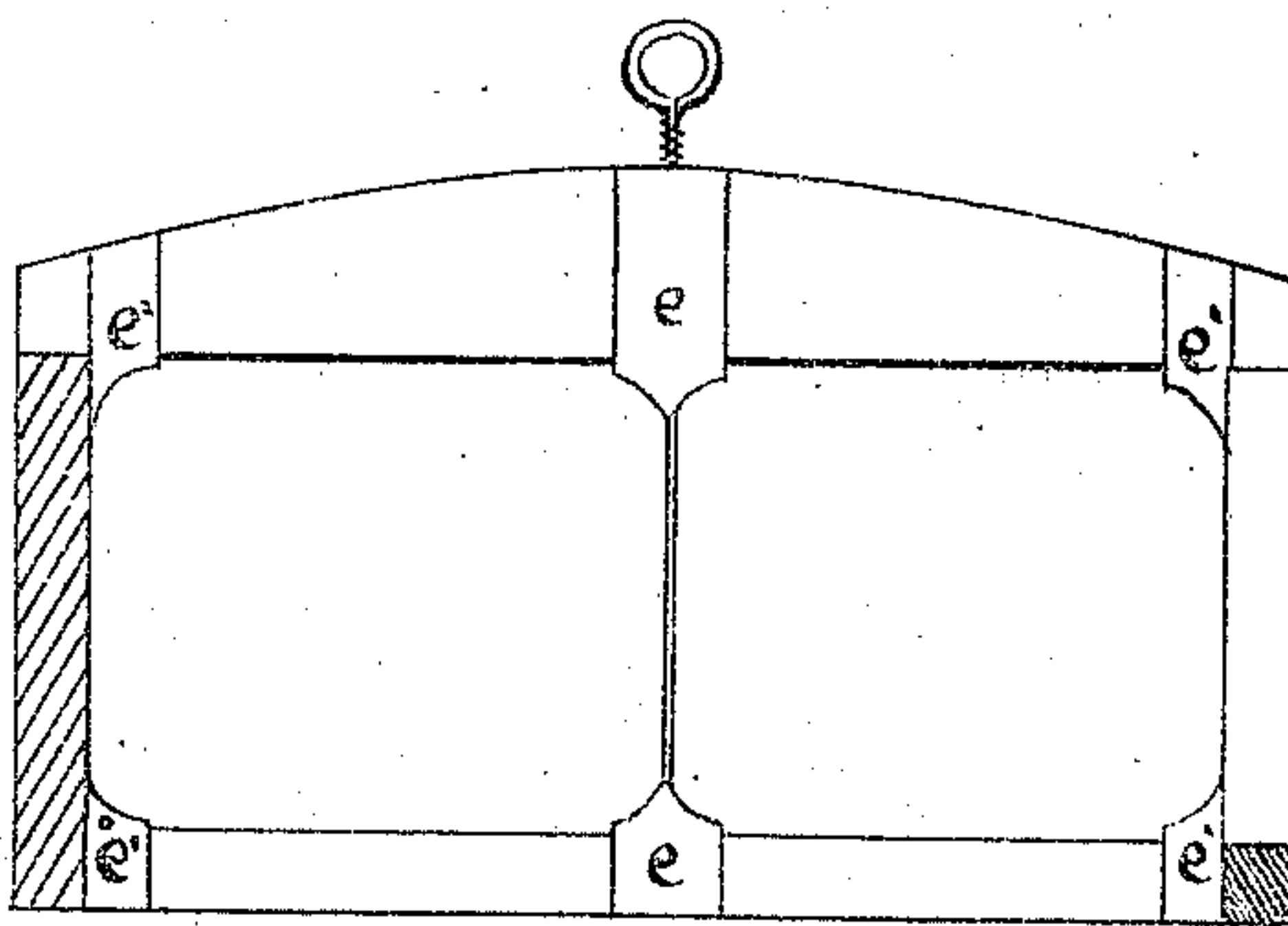


Fig. 2

Witnesses

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JOHN B. ULTSCH, OF CAMBRIDGE, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND CURTIS DAVIS, OF SAME PLACE.

IMPROVEMENT IN SOAP-CUTTING AND BEADING-MACHINES.

Specification forming part of Letters Patent No. 118,304, dated August 22, 1871.

To all whom it may concern:

Be it known that I, JOHN B. ULTSCH, of Cambridge, county of Middlesex and State of Massachusetts, have invented certain new and useful Improved Combined Soap-Cutting and Beading-Machine, of which the following is a specification:

The nature of my invention consists in combining with a soap-cutting machine a beading device, so that at the same time that the soap is being cut into strips and bars it may be beaded so as to resemble molded soap.

Figure 1 is a perspective view showing the machine entire. Fig. 2 shows the beading and cutting-form or frame.

A A represents the frame of my machine. A¹ is the table upon which the slab of soap is placed. A² is the table upon which the soap slides after being cut into bars by passing through the frame E. C represents a head-block, which is impelled by the ratchet C¹ and a ratchet-wheel not shown in the drawing, said ratchet-wheel being driven by the crank C³. This head-block C serves to force the slab of soap through the cutting and beading-frame E, after which the soap in long beaded bars rests on the table A². B is a head-

block, worked by the ratchet B¹ B¹ and wheel B². The head-block B serves to force the bars of soap laterally through the cutting and beading-frame F, which action leaves the soap in short blocks having beaded edges, and resembling molded soap. The frames E and F may have as many cutting-wires E' F' as may be desired, so that a great many pieces of soap may be formed at one operation. The beading device consists of the small plates or templets *e e' e'*, and shown more plainly in Fig. 2. These templets are to be located at each corner of each division, so that all of the edges of each piece of soap may be beaded. The dimensions and form of the templets may be varied to suit the fancy of the user.

I claim as my invention—

The combination, in a soap-cutting machine, of the templets *e, e', &c.*, with the cutting-frames E and F, substantially as described, and for the purpose set forth.

JOHN B. ULTSCH.

Witnesses:

FRANK G. PARKER,
JAS. S. CONANT.