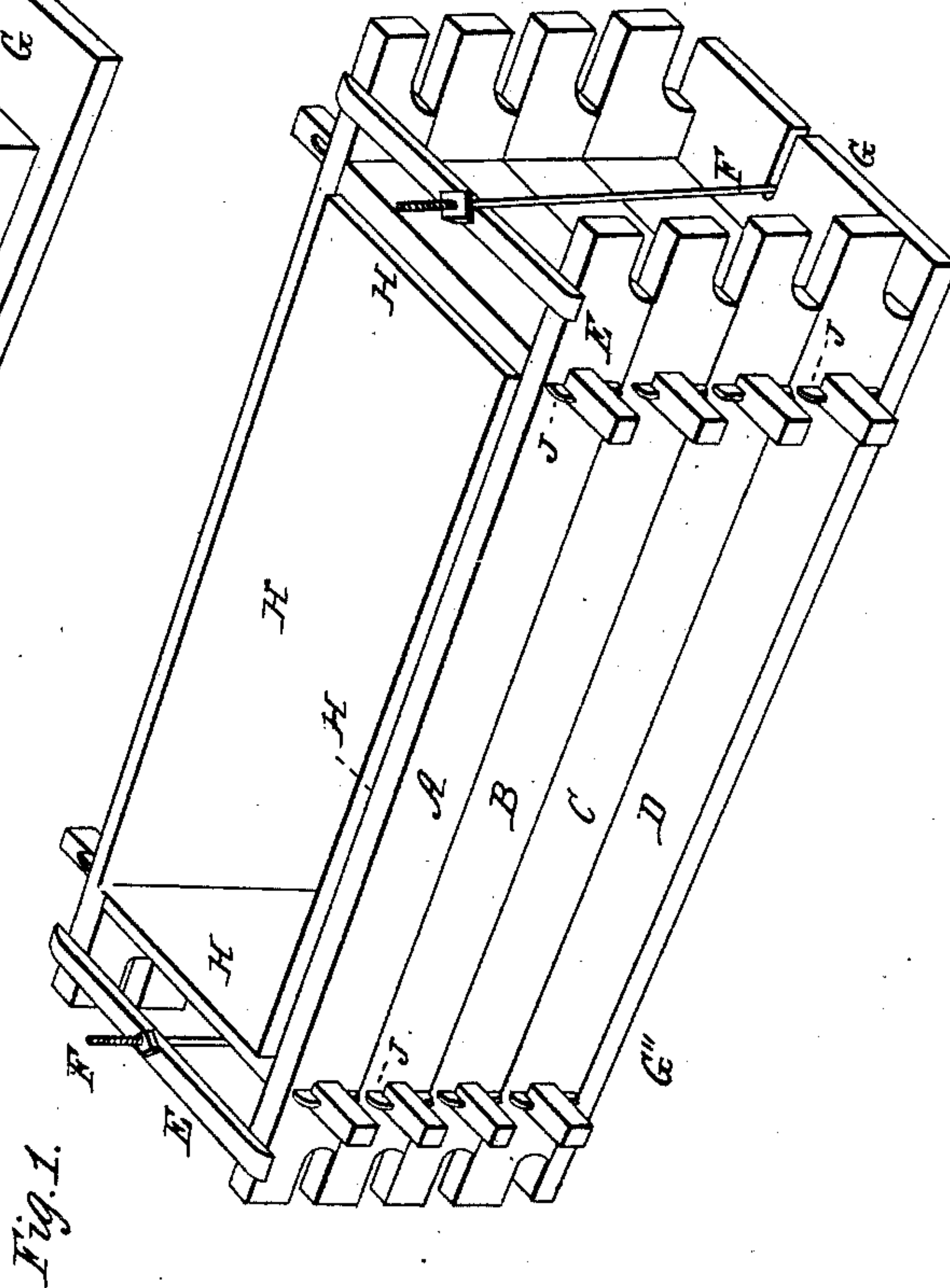
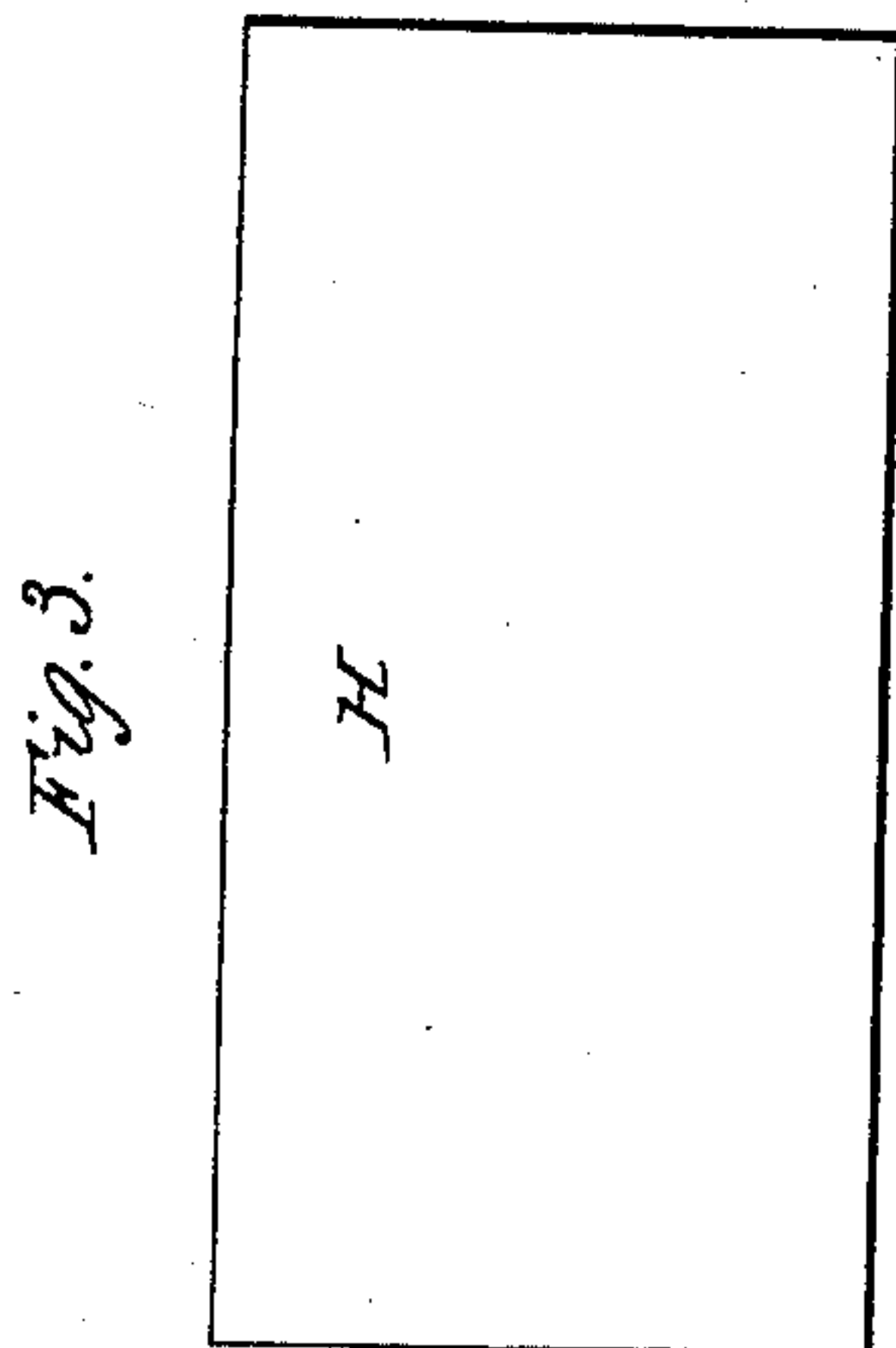
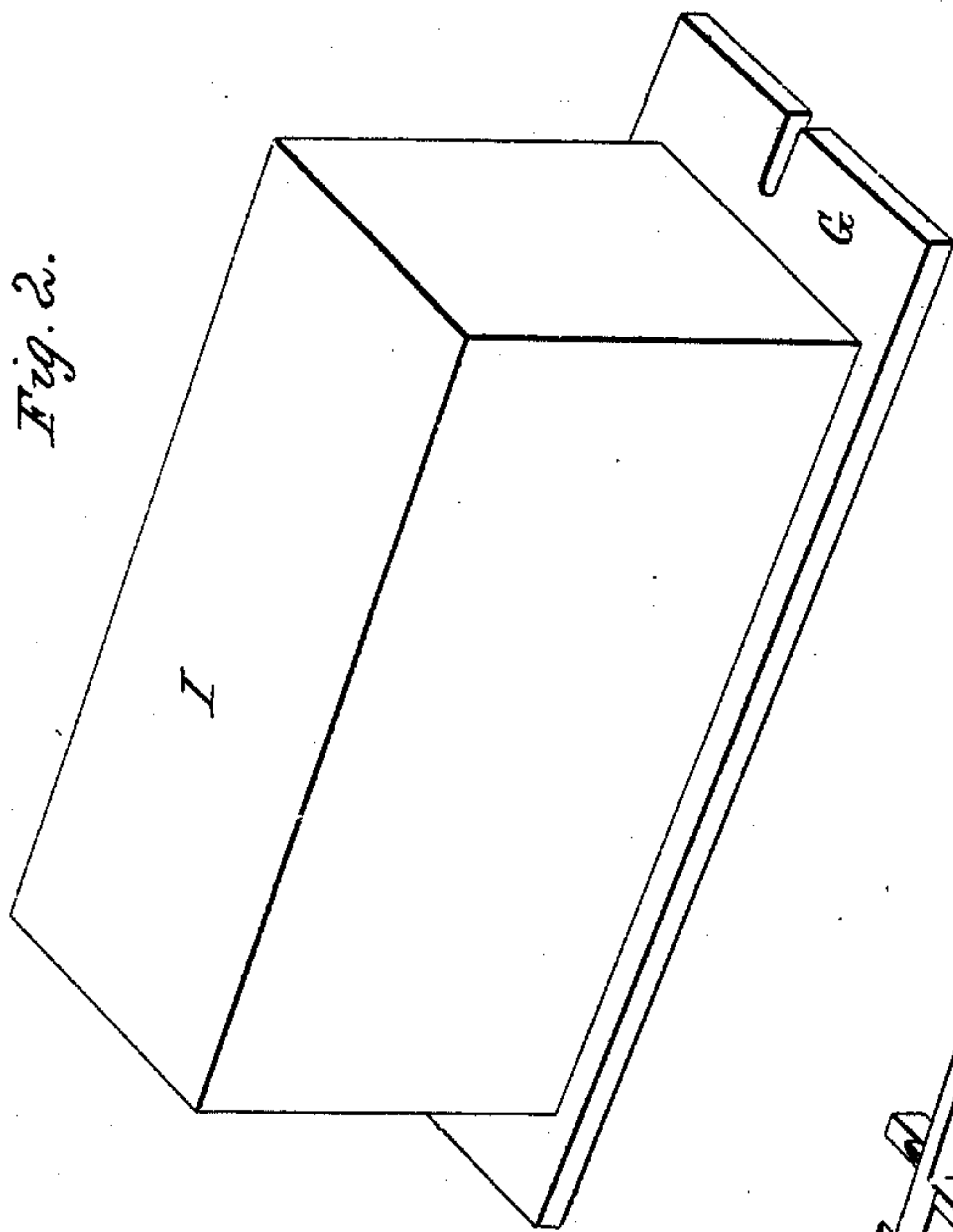


R. P. THOMAS.  
Manufacture of Soap.

No. 24,593.

Patented June 28, 1859.



Witnesses:

R. F. Stevens.  
Julius G. Pohle.

Inventor:

Richard P. Thomas

# UNITED STATES PATENT OFFICE.

RICHARD P. THOMAS, OF SYRACUSE, NEW YORK.

## FRAME FOR MANUFACTURE OF SOAP.

Specification of Letters Patent No. 24,593, dated June 28, 1859.

*To all whom it may concern:*

Be it known that I, RICHARD P. THOMAS, of the city of Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Improvement in Lining Soap-Frames; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the annexed drawings, making part of this specification, in which—

Figure (1) represents a sectional drawing of the parts bolted together, and Fig. (2) represents the cake of soap after the framework has been removed, and Fig. (3) represents a metallic plate.

(A) (B) (C) and (D) are frames or sections held together by keys (J), and placed upon each other resting upon a base or platform (G). (E) are cross bars placed across the upper frame (A) near its ends, through which the screw bolts (F) are passed. The lower end of the bolts being connected with the bottom board or platform (G). These parts being firmly bolted together constitute the molding box in common in soap factories.

The box is filled with soap in a softened state, where it remains until hardened by cooling, when the sectional frames are separately removed leaving the cake of soap upon the platform (G) as at (I) Fig. 2. In this process a great difficulty arises from the soap adhering to the frames, making it difficult to remove them from the cake without breaking the surface.

(H) are metallic plates, which may be zinc or other metal, placed inside the sectional box against each of the four sides, the corners of the plates being disconnected. The box is then filled with soap, and when hardened, the screw bolts (F) may be loosened, and the sections A, B, C, and D may be easily removed, after which the metallic plates may be cleaved off the cake, leaving its surface perfectly smooth.

When the frames are used without the lining, the block or cake of soap adheres to the frames and the shrinkage causes it to crack through the middle, but by using the smooth metallic plates the block can shrink without cracking.

The nature of my invention consists in the use of metallic lining for soap frames whereby the cake of soap can shrink without cracking or adhering to the frames, and the sections to be removed from the block without difficulty.

I do not claim the use of metallic frames, or metallic plates instead of frames.

What I claim as my invention and desire to secure by Letters Patent, is—

Lining soap frames in ordinary use with flexible metallic plates substantially in the manner and for the purpose set forth.

RICHARD P. THOMAS.

Witnesses:

R. F. STEVENS,  
JULIUS G. POHLE.