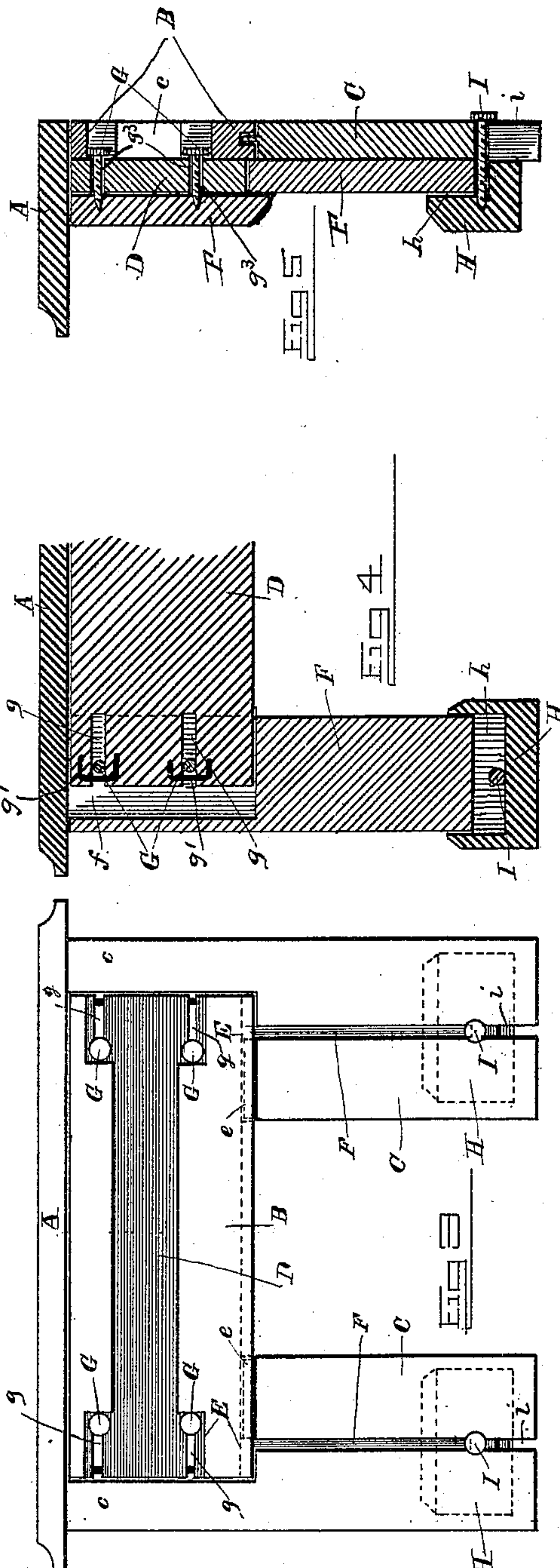


E. DAMBACH.  
EXTENSIBLE MANTEL.

Patented Feb. 4, 1890.



Inventor

By the Attorney *W. Alexander*

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# UNITED STATES PATENT OFFICE.

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## EXTENSIBLE MANTEL.

SPECIFICATION forming part of Letters Patent No. 420,775, dated February 4, 1890.

Application filed February 19, 1889. Serial No. 300,416. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD DAMBACH, of Evans City, in the county of Butler and State of Pennsylvania, have invented certain new and useful Improvements in Extensible Mantels; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is a front view of my improved adjustable mantel, showing it extended. Fig. 2 is a similar view of the mantel adjusted to suit a smaller fire-space. Fig. 3 is a rear view; Fig. 4, a sectional view taken centrally, longitudinally, and vertically through one-half of the mantel; Fig. 5, a sectional view on line *z z*, Fig. 2. Fig. 6 is a detail rear view of the mantel, showing the leg and back piece construction.

This invention is an improvement in adjustable mantels for buildings; and its object is to provide a mantel which can have its parts shifted so as to widen or narrow the fire-space opening and raise or lower the mantel-shelf before the mantel is finally secured in position, as after it is in position the parts are immovable.

The invention is particularly designed for wooden mantels, which can be kept in stock by lumber merchants; and it consists in the novel construction and arrangement of parts of such mantels, as is hereinafter clearly described.

Referring by letter to the accompanying drawings, A represents the top board or shelf of the mantel, which is formed of a single or rigid piece of suitable material, and B designates a back board, upon the upper edge of which shelf A is securely mounted. Said back is preferably rectangular in outline and may be ornamented exteriorly in any desired manner.

C C represent vertical legs depending from and loosely connected to the opposite ends of back B.

*c c* are upstanding arms at the outer sides of the legs, which extend above the outside of the ends of back B and lie close to shelf A. The legs and arms may be formed inte-

gral. Said arms protect and cover the ends of the back.

Back B and legs C are each made of one piece of material, as indicated in Figs. 1, 2, and 6.

E E designate grooves formed in the lower edge of back B, near the opposite ends thereof, or one continuous groove might be formed the entire length of said edge, and *e e* are tongues formed on the upper ends of legs C C to the inside of arms *c*, which engage said grooves.

D is a finishing-piece secured to or formed with back B, and F F are finishing-pieces attached to the faces of legs C C and extending upward to the bottom of shelf A, being recessed at *f f*, near their upper ends, to fit easily and closely over the ends of piece D, and G G are headed pins or screws projecting inward from the upper ends of pieces F F and engaging in horizontal slots *g g* in the back board or finishing-piece D, as shown. The outer edges of pieces F F are fastened to the inner edges of arms *c*, to make a neat appearance in any convenient manner.

For the purpose of cheapness and lightness the interior portion of board B may be cut out, as indicated in Figs. 3 and 5, the remaining portions thereof being supported on and united to and by finishing-piece D; also, legs C C might be formed in two pieces, as indicated in Fig. 3, and fastened to and supported on the pieces F F.

If the legs C C are moved inward toward each other until the arms *c* abut against the ends of back B, the fire-space will be narrowed, and by separating the legs by moving them equally toward the ends of the shelf the fire-space will be widened. The grooves and pins are preferably employed, as they permit readier adjustment of the legs and back, while disengagement of the parts is prevented by closing the outer ends of the slots in any suitable manner, as by wire loops *g'*, Fig. 4, or by forming them closed. However, the slots could be omitted and retaining-screws *g''*, Fig. 5, employed, which would lock the legs and back after adjustment thereof. The amount of overlapping of the finishing-pieces F and piece D is suffi-



cient to permit separation of the legs without uncovering the joints between the end of back B or piece D and the leg or leg-arms *c*, so that the appearance of the mantel is the same when adjusted for small or large fire-spaces, with the exception that the ends of shelf A (which, it should be observed, is non-extensible or adjustable, but is rigid) project more or less beyond the sides of arms *c*.

H H designate plinth-blocks, which are recessed on their inner faces, as at *h*, to receive the lower ends of pieces F F, and these plinths are secured to the legs by means of pins or screws I I, which project rearwardly through openings in the lower ends of the legs, preferably slots *i i*, as shown, to permit readier adjustment of said plinths.

In practice the plinths H can be adjusted up or down on legs C C without uncovering the ends of pieces F F, and the lower portions of legs C C can be either sunk in the flooring or cut off, as desired, if it is necessary to lower the mantel.

The back B and shelf A are fixed or stationary in relation to each other and the fireplace and to the other parts of the mantel, the legs being adjustable on the back and the plinths on the legs.

From the foregoing it is apparent that the mantel can be readily and quickly adjusted to fire-places of varying sizes. The central portion of back B and center and tops of pieces F F can be ornamented, as desired, with moldings or carvings and a very handsome mantel formed without in the least impairing its adjustable features.

Having thus described my invention, what I claim is—

1. The combination of the non-extensible top piece A, extending the entire width of the mantel, and the back B, rigidly united thereto, with the laterally-adjustable legs connected to and standing beneath the ends of said back, and the vertically-adjustable plinths on said legs, substantially as described.

2. The combination, in a mantel, of a fixed shelf and back with the laterally-adjustable legs connected to said back, and the finishing-pieces on said legs overlying the ends of the back and covering the joints between the legs and the ends of the back, substantially as described.

3. The combination of the shelf and back with the laterally-adjustable legs connected

to said back, the finishing-pieces on said legs overlying the ends of the back and covering the joints between the legs and back, and the adjustable plinths on the bottoms of said finishing-pieces, all substantially as specified.

4. The combination of the fixed shelf and back with the laterally-adjustable legs C, having arms *c* and adjustably connected to said back, and the finishing-pieces F F, secured to said legs and covering the joints between the same and the end of the back, all substantially as specified.

5. The combination of the fixed shelf A and back B and the laterally-adjustable legs C C, connected to said back, with the finishing-pieces F F, secured to said legs, and the plinths H H on the lower ends of said pieces, having recesses *h* and pins I, all substantially as set forth.

6. The combination of the shelf and fixed back, slotted at its ends, with the laterally-adjustable legs C, having pins engaging said slots, and upstanding arms *c*, all constructed and arranged substantially as specified.

7. The combination of the fixed shelf, the fixed back having grooves in its lower edge, with the legs C C, having tongues in the upper ends engaging said grooves and adjustably attached to said back, and the finishing-pieces on said legs overlapping the joints between the same and ends of the back, all substantially as and for the purpose described.

8. The combination of the fixed shelf, the fixed back having grooves in its lower edge, with the legs C C, having tongues on their upper ends engaging said grooves, and arms *c* and the finishing-pieces and plinths thereon, all substantially as described.

9. The combination of the fixed shelf, the back having slots in its ends and grooves in its lower edge, with the legs C C, having tongues on their upper ends, and arms *c c*, the finishing-pieces attached to said legs having pins engaging said slots, and the plinths adjustably secured to the lower ends of said finishing-pieces, all substantially in the manner and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

EDWARD DAMBACH.

Witnesses:

T. H. ALEXANDER,  
P. L. BROOKS.