

No. 692,179.

Patented Jan. 28, 1902.

M. H. CALLAHAN.
BUILDING SUPPORT.

(Application filed June 11, 1901.)

(No Model.)

Fig. 1.

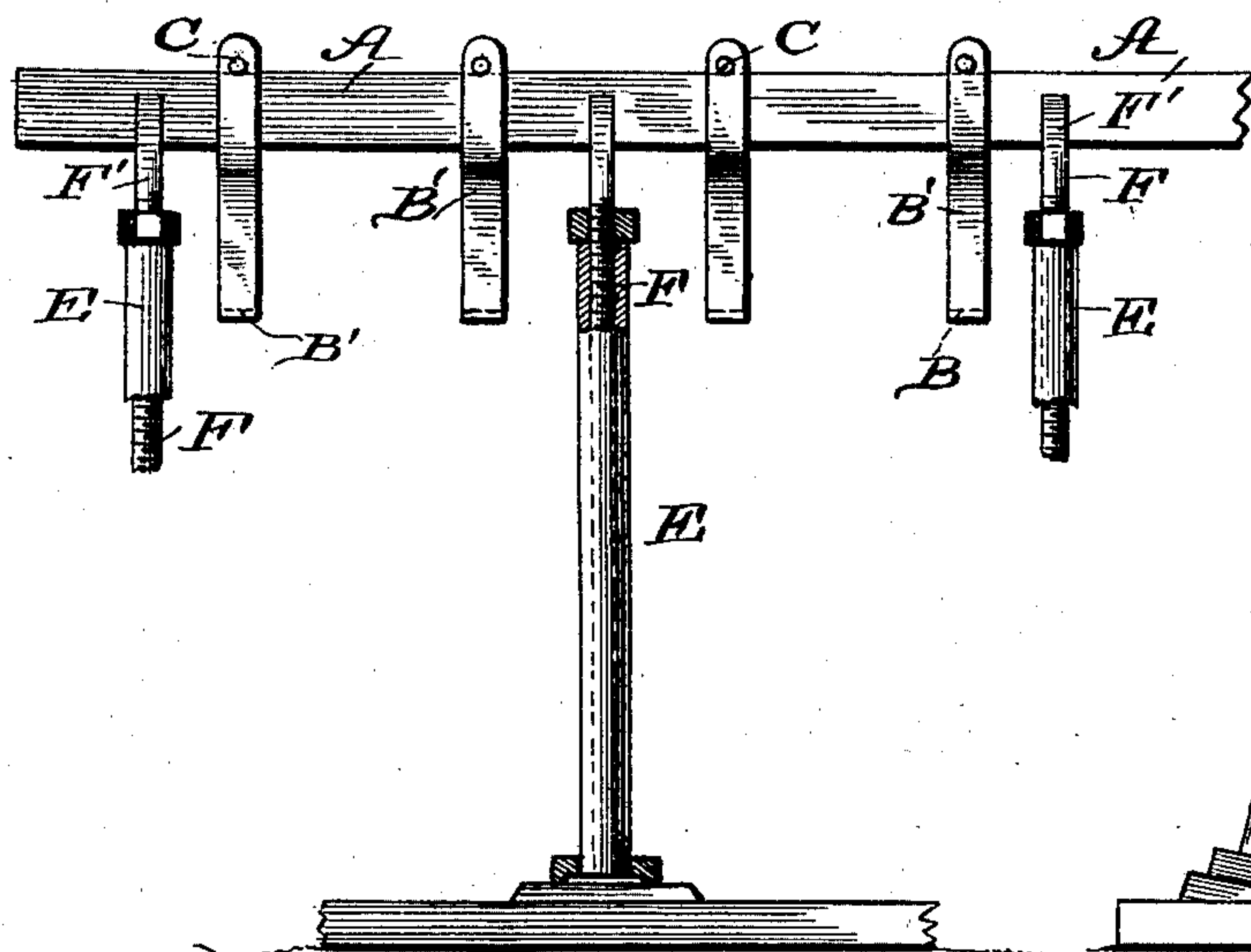


Fig. 3.

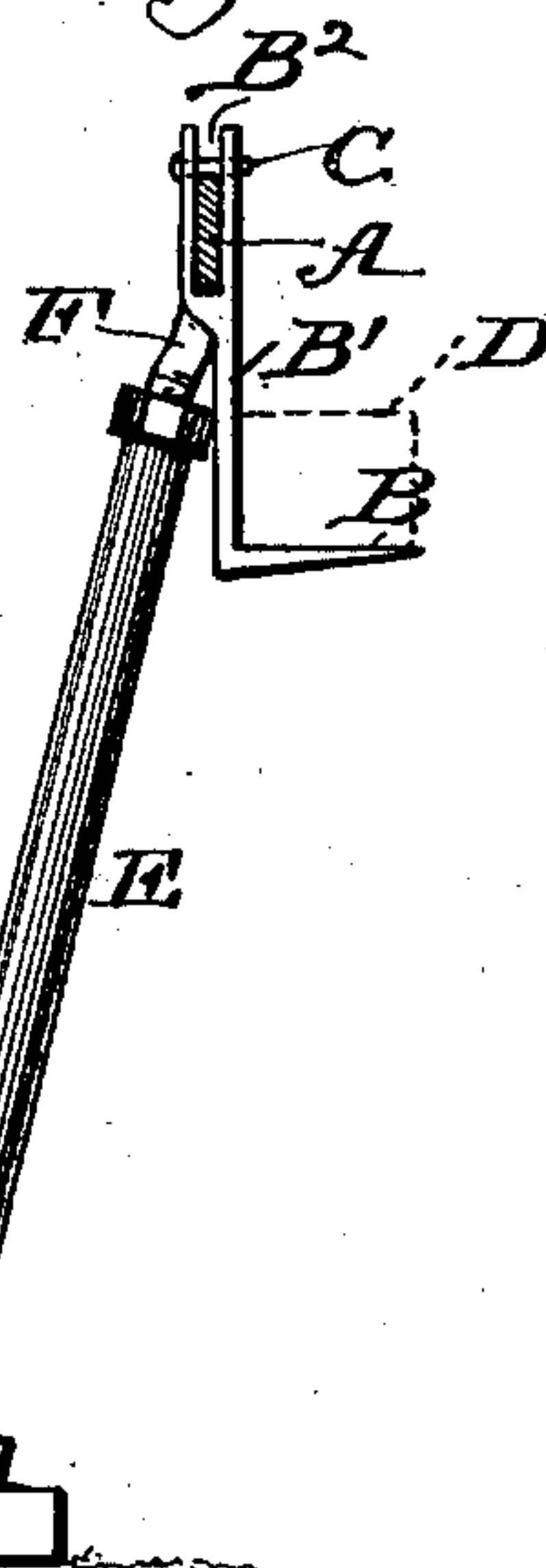
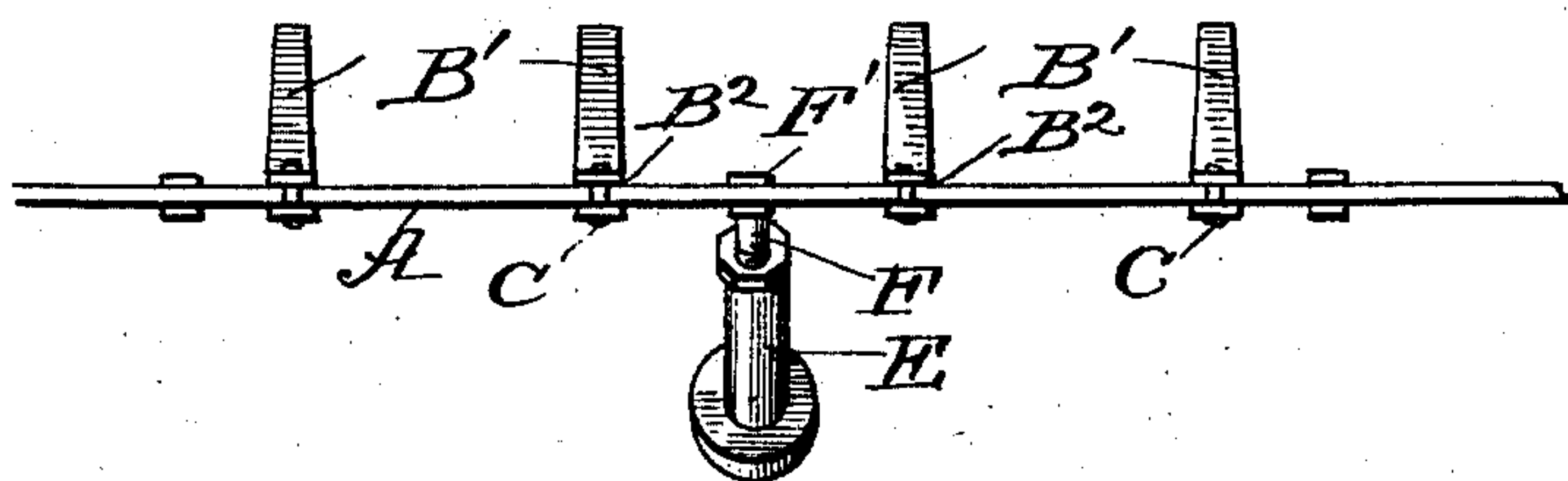


Fig. 2.



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BUILDING-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 692,179, dated January 28, 1902.

Application filed June 11, 1901. Serial No. 64,099. (No model.)

To all whom it may concern:

Be it known that I, MATTHEW HENRY CALLAHAN, a citizen of the United States, and a resident of Aspen, in the county of Pitkin and State of Colorado, have made certain new and useful Improvements in Building-Supports, of which the following is a specification.

My invention is an improvement in an apparatus for supporting walls, chimneys, &c., while removing or inserting stone, brick, or other structural material; and the invention consists in certain novel constructions and combinations of parts, as will be hereinafter described and claimed.

In the drawings, Figure 1 is an elevation of the improved apparatus as set up for use. Fig. 2 is a top plan view thereof, and Fig. 3 is a cross-sectional view of the apparatus.

In carrying out my invention I seek to provide means for supporting a section of wall of considerable length by the same device, thus avoiding injury to walls resulting from supporting the same by independent supports. To this end I provide a cradle, comprising a longitudinal main bar A, which extends in use approximately horizontal and supports a series of depending hooks B, arranged at suitable distances apart and which may be adjusted along the bar and supplied in any desired number to secure the spacing of the hooks at such distances apart as may be desired, according to the character or condition of the wall to be supported. Thus the number of hooks suspended from the bar A may be increased or decreased, as desired. In the specific construction shown the hooks B have their shanks B' slotted from their upper ends at B², so they can be slipped upon the bar A from below and secured thereon by the bolts C, extending across the slot B², above the bar A, and connecting the branches of the bar B', as shown in Figs. 1, 2, and 3. Where desired, instead of supporting the wall directly upon the hooks B a beam, as indicated by dotted lines D in Fig. 3, may be carried upon the hooks B to underlie the wall to be supported.

The bar A is carried by the jacks E, whose upper sections F engage with the bar A, being preferably slotted at F', so they can embrace the said bar A, as will be understood

from Figs. 1 and 2. By this means the jacks not only support the bar A, but are engaged with said bar in such manner as to hold the said bar securely to the jacks. These jacks are employed in such number and are arranged such distances apart as will enable them to properly support the bar A to sustain the weight of the wall as may be desired. As shown in Figs. 1 and 3, the jacks are inclined slightly to the vertical, so they will operate as struts in supporting the wall. By this arrangement of the jacks at an incline they will operate to resist the lateral movement of the bars A as well as support them against the weight of the wall they are arranged to carry.

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

1. An apparatus for supporting walls, chimneys, &c., comprising a bar, a plurality of hooks carried thereby and adapted to underlie the wall to be supported, and means for supporting the said hook-carrying bar, substantially as set forth.

2. An apparatus for supporting walls, chimneys, &c., comprising a bar, a plurality of hooks, carried by said bar and adapted to underlie the wall or other structure, and the jacks for supporting the said bar, substantially as set forth.

3. An apparatus substantially as described, comprising the main bar, a plurality of hooks, carried by and adjustable along said bar, and means for supporting the said hook-carrying bar, substantially as set forth.

4. An apparatus substantially as described, comprising the main bar, the hooks adapted to underlie the structure to be supported and having their shanks slotted and adjustable along the bar, and means for supporting the bar, substantially as set forth.

5. An apparatus substantially as described, comprising the main carrying-bar provided with a plurality of hooks adapted to underlie the wall to be supported, and the jacks having their sections connected with the said bar slotted or recessed to receive the said bar, substantially as set forth.

6. An apparatus for supporting walls, chimneys, &c., comprising a main bar, a plurality of hooks carried by said bar and arranged at

intervals, and a plurality of jacks supporting said bar at intervals, substantially as set forth.

7. An apparatus substantially as herein described, comprising the main bar, the plurality of hooks, slotted to receive the said bar, and adjustable along the same, and jacks for

supporting said bar, having their sections engaged therewith slotted or recessed to receive the said bar, substantially as set forth.

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Witnesses:

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