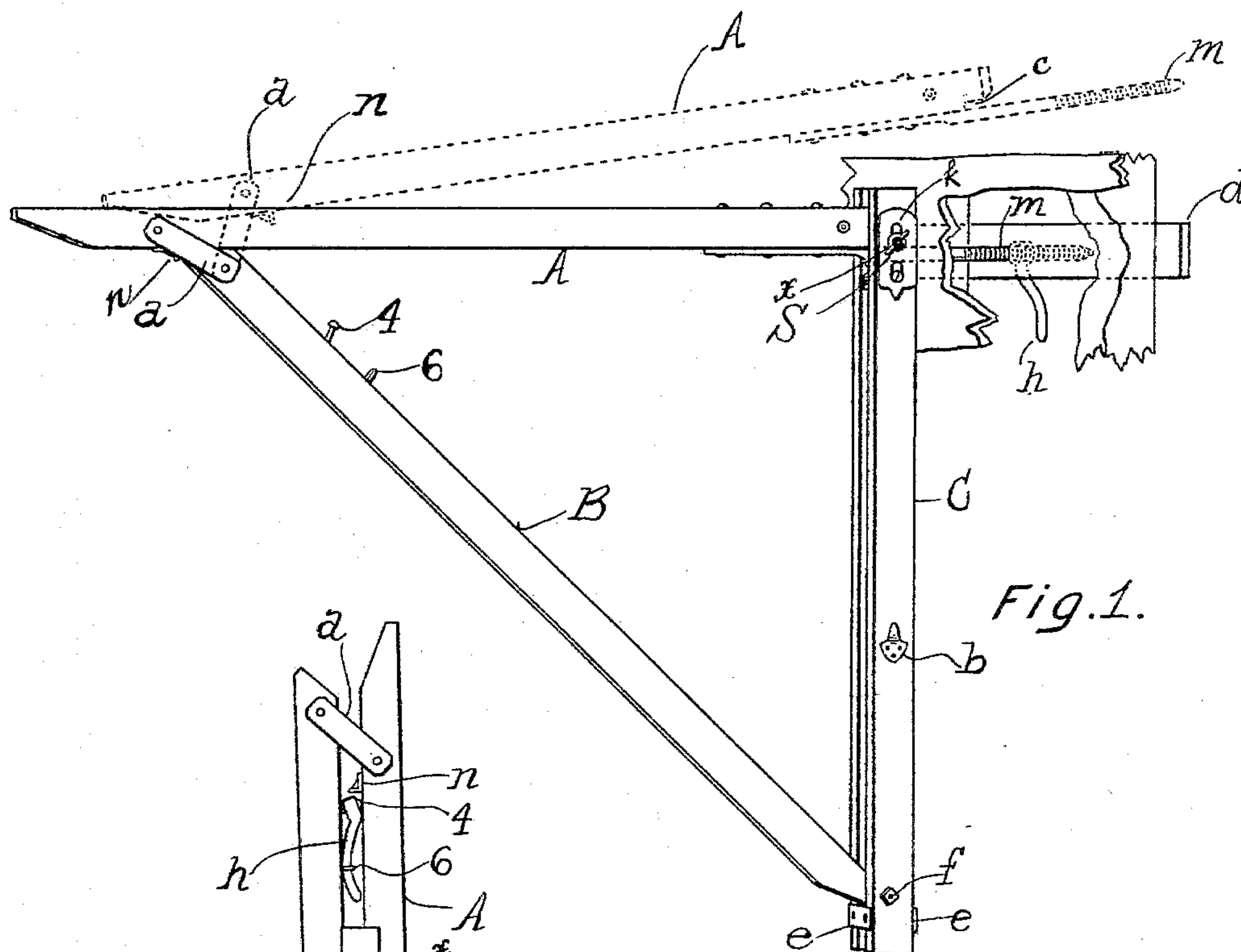


(No Model.)

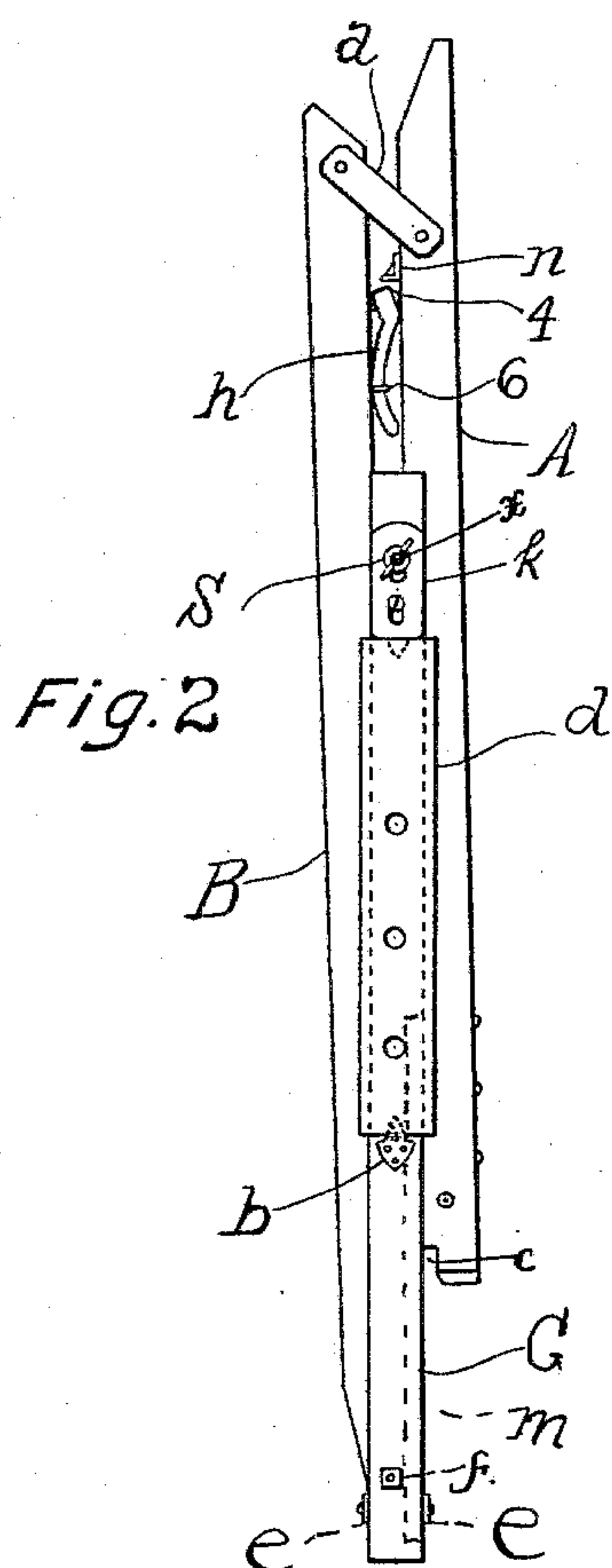
C. M. DEARBORN.  
FOLDING BRACKET FOR BUILDERS' USE.

No. 593,202.

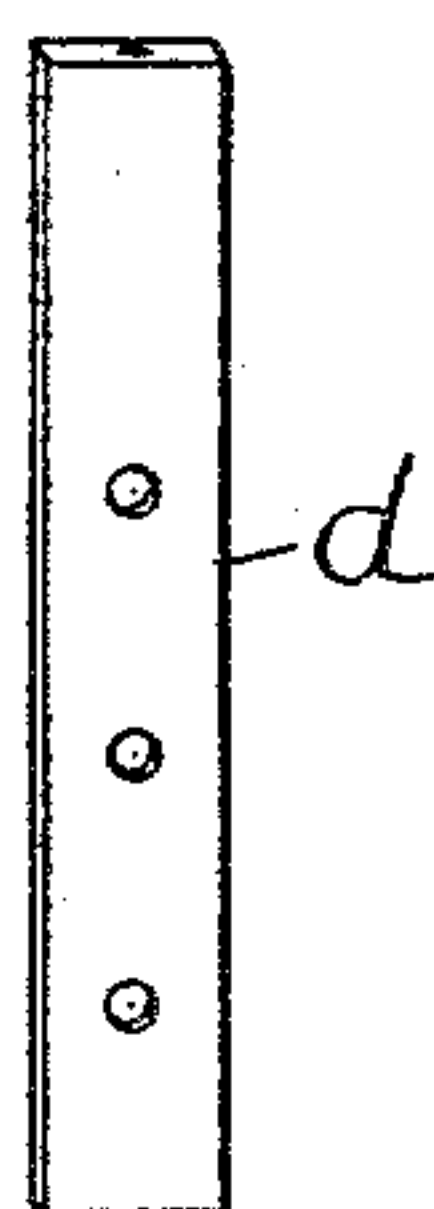
Patented Nov. 9, 1897.



*Fig. 1.*



*Fig. 2*



*Fig. 3.*

WITNESSES:  
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# UNITED STATES PATENT OFFICE.

CLAYTON M. DEARBORN, OF LYNN, MASSACHUSETTS.

## FOLDING BRACKET FOR BUILDERS' USE.

SPECIFICATION forming part of Letters Patent No. 593,202, dated November 9, 1897.

Application filed November 4, 1893. Renewed September 16, 1895. Serial No. 562,720. (No model.)

*To all whom it may concern:*

Be it known that I, CLAYTON M. DEARBORN, of Lynn, in the county of Essex and Commonwealth of Massachusetts, have invented certain Improvements in Folding Brackets for Builders' Use, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to folding brackets, and has for its object to provide a bracket adapted to permit of being folded for purposes of storage or transportation and of being opened and expanded for use.

The invention consists in matters of construction and arrangement of parts more fully described and then specifically claimed hereinafter.

In the drawings, Figure 1 is a perspective view of a bracket embodying this invention represented in use, it being to that end combined with a section of a building. Fig. 2 is a side elevation of a bracket folded, as for purposes of storage or transportation. Fig. 3 is a perspective view to be described hereinafter.

The bracket proper comprises three members, the base member C, the supporting member A, and the intermediate member B. Said member B has one end pivotally connected with the end of member C and has its other end connected by a pivotal link *a* to the end of outer member A. The member C is represented in this instance as composed of two parallel bars arranged with a space between to admit the member B, as shown, and it is preferably thus constructed. Instead of this construction, however, a single piece of material may be used and provided with a longitudinal groove to receive the member B.

The bars composing member C are secured at one end by plates *e* or other suitable staying devices. The member B is preferably connected with the member C so as to permit of being laid into the longitudinal groove of said member C, as shown in Fig. 2, its end being for this purpose positioned within the groove of said member C and there made to receive the pin *f*. This arrangement permits the members C B being opened apart, as in Fig. 1, or closed together, as in Fig. 2.

In making connection between the members A B the pivotal link *a* is employed, to

which the members are pivotally connected, as shown. The link *a*, while operating as a hinge connection between the members A B, supports the end of the member A in a folded position above the member C, Fig. 2, and allows the members A B being opened apart and the free ends of members A C to be joined, as in Fig. 1.

In the operation of moving the members from the folded position, Fig. 2, to the open position, Fig. 1, the member A is carried outwardly and backwardly and then forward, by which movement the bracket *n* is positioned beneath the end of member B, and the free end of member A is thrust within the open end of member C, as shown in Fig. 1, the slot *c* engaging with the rod or bolt *x*. Said bracket *n* is firmly secured to the member A and operates, in connection with the link *a*, to support the members in the open position of the bracket, as shown. Said member A carries in its free end a screw-threaded bolt *m*, adapted for passage through the partition-walls of the building to which the bracket is applied for use, and receives a correspondingly screw-threaded handled nut *h*, by which it is suitably clamped into position against the said partition-wall, Fig. 1.

In Fig. 3 is shown a bar *d*, which bar *d* is used at times as a means to span the beams or an opening in the building-wall and receive the screw-threaded bolt *m*, as shown in Fig. 1. It is not essentially a part of the bracket proper, yet it is thought convenient to have it handy, and for that reason I have arranged for its combination with the bracket when folded. In carrying out this feature of the invention a pointed bracket *b* is secured to member C in position to enter and lie in one end of bar *d*, as shown in Fig. 2. At the opposite end of bar *d* when thus positioned is a bracket *k*, adjustably secured by suitable slot and screw to the member C and permitting movement endwise for engagement with and disengagement from the bar *d*. Passing through a slot in said bracket *k* and through the parts of member C is a screw-threaded bolt or rod *x*, on which is arranged the screw-threaded thumb-nut *S*; all this to the end that when the members are folded, as in Fig. 2, the nut *S* may be suitably operated for clamping the parts of member C against the



members A B for holding the bracket members firmly together in the folded condition, as shown in Fig. 2, and simultaneously clamp the bracket *k* for holding the bar *d*. This construction allows of being further operated to clamp the members A C when in the opened position of the bracket, as shown in Fig. 1. In the member B is a pin 4 and staple 6 to receive the handled nut *h*, as shown in Fig. 2.

10 I claim and desire by Letters Patent to secure the following:

1. A bracket comprising a base member, a rod or bolt upon said base member, an intermediate member, a supporting member having a notch opening upon the end and one side of said supporting member, a plate carrying an engaging member secured upon said supporting member and extending over the opening upon the side of said member, thus forming a slot adapted to receive said rod or bolt, and means for clamping said supporting member upon said rod or bolt; substantially as described.

2. In a bracket of the character indicated, the combination with the base member C, supporting member A and middle or intermediate member, B, of bar, *d*, and brackets, *k*, *b*, for detachably holding the bar, *d*, substantially as described.

3. A bracket comprising a base member, having a slot therein, an intermediate member, a supporting member, said intermediate and supporting members being adapted to lie in the slot in the base member, a bracket *b* upon said base member, an adjustable bracket upon said base member, and means for simultaneously contracting the sides of said slot and firmly securing said adjustable bracket; substantially as described.

Signed at Lynn, Massachusetts, this 16th day of October, A. D. 1893.

CLAYTON M. DEARBORN.

Witnesses:

M. M. TUTTLE,  
C. B. TUTTLE.