

No. 676,509.

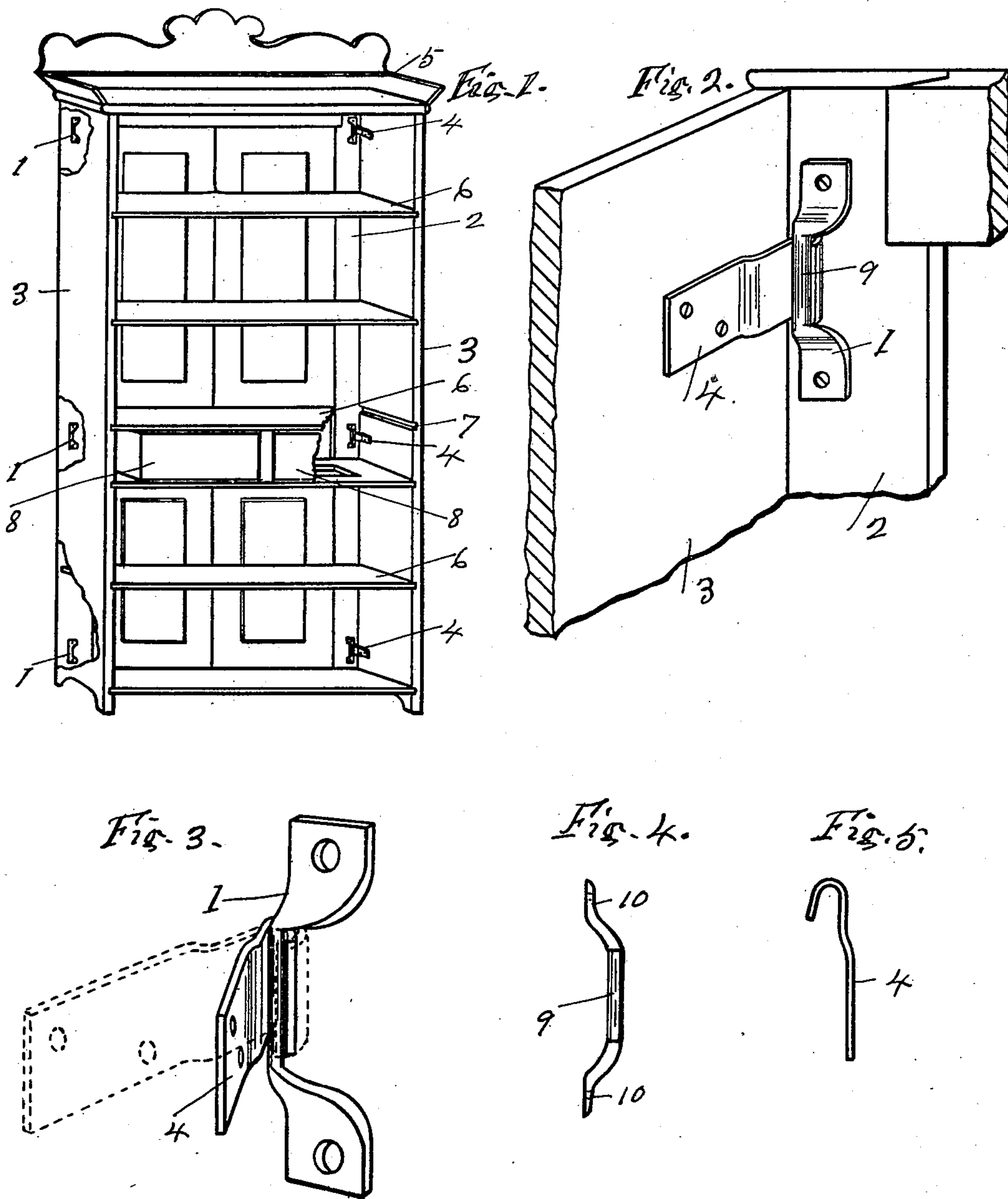
Patented June 18, 1901.

C. S. McNOWN.

ATTACHMENT FOR KNOCKDOWN FURNITURE.

(Application filed Feb. 15, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

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ATTACHMENT FOR KNOCKDOWN FURNITURE.

SPECIFICATION forming part of Letters Patent No. 676,509, dated June 18, 1901.

Application filed February 15, 1901. Serial No. 47,402. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. MCNOWN, a citizen of the United States, residing at Columbia City, in the county of Whitley, in the State of Indiana, have invented certain new and useful Improvements in Attachments for Knockdown Furniture; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention consists of attachments for knockdown furniture.

The object of my invention is to provide an improved interlocking fastening device of simple and economical construction adapted to be employed in the construction of certain kinds of furniture—such as cupboards, wardrobes, sideboards, bureaus, chiffonniers, commodes, bookcases, file-cabinets, and the like—as a substitute for screws, nails, or bolts in setting up and securing the assembled parts, whereby the manufacturer can ship such furniture in knockdown condition in a more compact form and at lower freight-rates than when set up ready for use and the dealer or retailer can readily and conveniently assemble the knockdown parts in a firm and secure condition with the use of but few nails or screws.

My invention consists of two cooperating parts rigidly fixed in right-angular relation upon the adjacent edges of the parts which it is desired to rigidly unite.

The principal novel feature of my invention resides in the application to knockdown furniture of a two-part interlocking fastening device by the use of which the article of furniture upon which it is employed can readily be knocked down into a compact form for shipment and firmly assembled or set up for use without the use of nails or screws.

Another novel feature of my invention is the construction and arrangement of the detachable interlocking parts, whereby their fastening function is secured.

In the accompanying drawings, illustrating my improvement, similar reference-numerals

indicate like parts throughout the several views, in which—

Figure 1 is a rear perspective view of a common form of cupboard, broken away in part to show the relative arrangement of my improved attachment therein and also having the back thereof removed. Fig. 2 is an enlarged detail perspective of my improvement in its holding position, with the portions of the cupboard to which it is secured broken away in part and the top removed. Fig. 3 is a perspective detail of the same shown in its position for disengagement, the holding position of the hook being shown in dotted outline. Figs. 4 and 5 are side and plan views, respectively, of the cooperating parts.

Referring now particularly to Fig. 1, the staple 1 of my improved fastening device is rigidly fixed by proper holding-screws or other proper manner upon the rear face of the front 2 of the cupboard at suitable points near its opposite edges, preferably at its opposite ends and at or near the middle of its length. To the inner face of the sides 3, at or near the adjacent edge thereof, are rigidly fixed by proper screws the hooks 4 in cooperative relation with the said staples 1, respectively, whereby when the said hooks 4 and staples 1 are interlocked in a holding engagement they rigidly but detachably secure the said front and sides in a right-angular relation, as shown. The top 5 may be secured in position upon the upper ends of the sides 3 in any proper manner. The shelves 6 are preferably detachably secured in position by having their ends snugly mounted in transverse grooves 7 in the sides 3, and the drawers 8 are mounted in position in the usual manner. The staple 1 is recessed at its central portion upon its inner edge and has its central portion 9 slightly elevated above the apertured feet 10 to admit and contain the engaging end of the hook 4, which has an offset at or near its forward end to facilitate its interlocking function.

The manner of employing my improvement thus described is as follows: The parts 1 and 4 of my attachment are secured in position by the manufacturer, as described, whereby the cupboard can be shipped in knockdown

form and readily set up or assembled by the dealer upon its arrival. Obviously the hooks 4 can readily be interlocked with the staples 1 by first placing the sides 3 in an approximately parallel relation with the front 2 to effect their engagement, and when the said sides 3 are arranged in their right-angular position, as shown in Fig. 2, they will be rigidly secured in position when the back (not shown) is fastened thereto, which may be done in any suitable manner, the shelves having been first slipped into their grooves 7. In a similar manner my improved fastening device can be conveniently employed upon many other kinds of knockdown furniture.

Obviously the mere form of my improved furniture-fastening may be variously modified without departing from the spirit of my invention, which consists, primarily, in the application of a detachable interlocking fastening device to knockdown furniture in the manner described.

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

1. A fastening attachment for knockdown furniture, consisting of a staple 1 having its central portion recessed upon its inner edge,

and a hook adapted to form an interlocking engagement with the staple for the purpose specified.

2. A fastening attachment for knockdown furniture consisting of two interlocking parts, one of said parts consisting of a staple 1 having its central portion elevated and recessed upon its inner edge, and the other part consisting of a hook 4 having an offset at its forward end adapted to form an interlocking engagement with the staple, arranged as described and for the purpose specified.

3. A fastening device for knockdown furniture consisting of two interlocking parts, and adapted to rigidly secure the said furniture in its assembled condition, one of said parts consisting of a hook offset at its forward end for the purpose specified, and the other part consisting of a recessed staple.

Signed by me at Columbia City, Whitley county, State of Indiana, this 12th day of February, A. D. 1901.

CHARLES S. MCNOWN.

Witnesses:

P. H. OHEGSTM,
GLADYS HEAGY.