

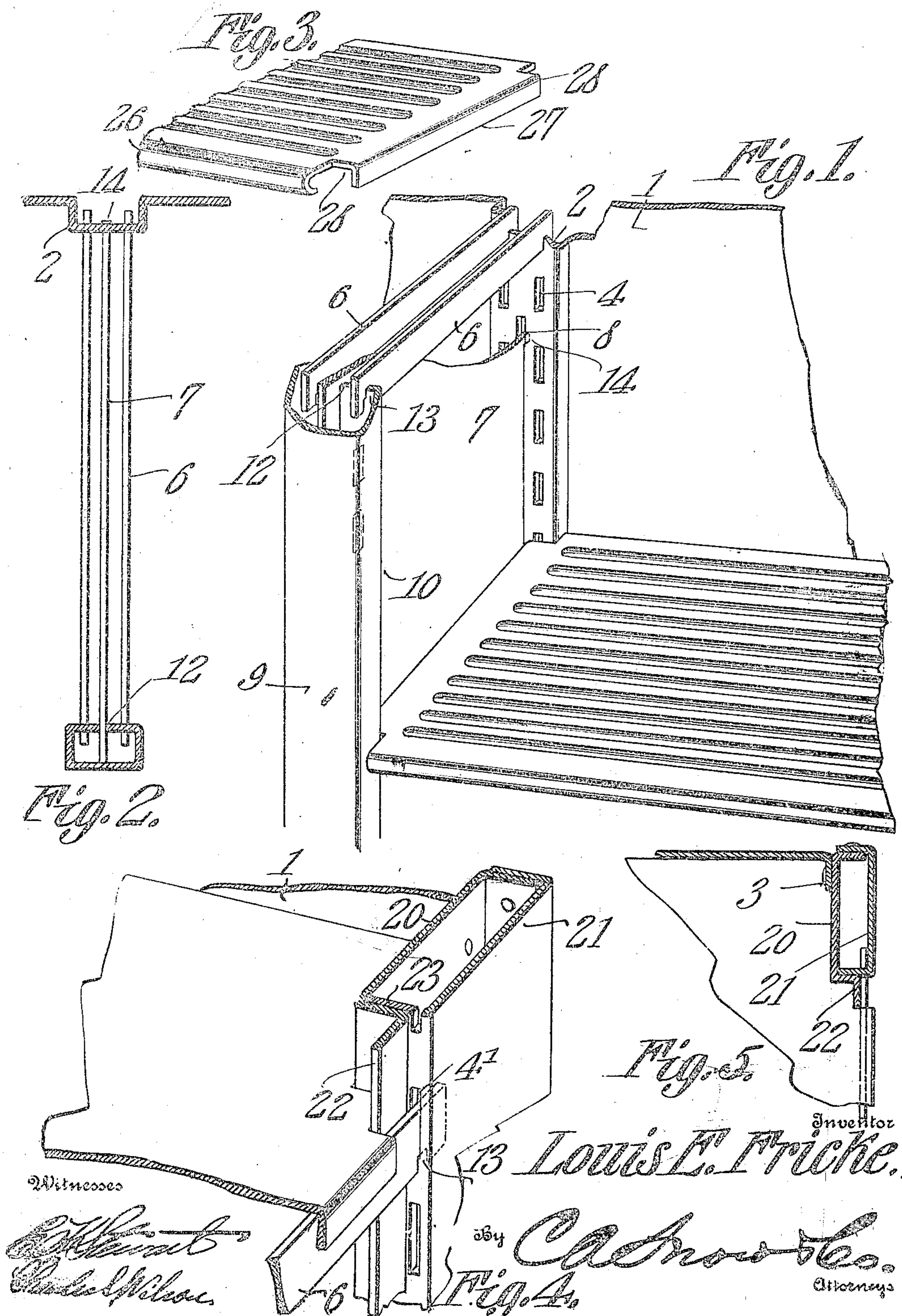
L. E. FRICKE.

SHELVING.

APPLICATION FILED JULY 22, 1909.

966,002.

Patented Aug. 2, 1910.





# UNITED STATES PATENT OFFICE.

LOUIS E. FRICKE, OF EVANSVILLE, INDIANA.

## SHELVING.

966,002.

Specification of Letters Patent.

Patented Aug. 2, 1910.

Application filed July 22, 1909. Serial No. 509,007.

To all whom it may concern:

Be it known that I, LOUIS E. FRICKE, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented a new and useful Shelving, of which the following is a specification.

This invention relates to portable sectional and adjustable shelving, and is designed to construct a shelving of this type and character entirely of metal thereby reducing fire risks and presenting a structure which will not invite the presence of bugs and moths.

With the above and other objects in view, this invention consists in the construction, combination and arrangement of parts all as hereinafter fully described, specifically claimed and illustrated in the accompanying drawing wherein,—

Figure 1 is a perspective view of a portion of a shelving constructed after my improved method, showing means whereby the partition and shelves are held in place. Fig. 2 is a horizontal section of the same. Fig. 3 is a perspective view of the shelf constructed in accordance with my invention. Fig. 4 is a perspective view of a modification. Fig. 5 is a detail horizontal section of the same.

Reference being had to the drawings, 1 indicates the back plate of shelving constructed according to my invention, having at regular intervals the outwardly projecting channel or passage 2 formed therein. These channels or passages have the slots 4 formed therein adjacent the outer edges thereof, and said slots extend vertically, and are arranged in horizontal pairs. Immediately disposed in relation to the slots 4 and likewise extending vertically, are the slots 8 adapted to receive the rear edge of the partition 7. Oppositely disposed to each of these channels 2 is the forward upright 10 so constructed that the same is bent inwardly to form a pair of lips, said lips being vertically spaced apart to provide the passage 12 in which is received the front edge of the partition 7. Piercing said lips in the same horizontal plane as the slots 4 located in the channel 2 are similarly formed slots shown in the dotted line in Fig. 1 and are of such construction that the shelf-supporting bracket 6 is held approximately in level position when one extremity thereof is

placed therein and the other is retained in the slots 4.

The bracket 6 which is supported by the slots comprises an approximately straight bar of metal having adjacent each extremity, the notch 13 which, when the same is in its operative and normal position engages the lower side of the slots, thus forming a spacing member for the upright 10 in relation to the back plate 1, and a brace for the entire frame. The partition interposed between these brackets has the lugs 14 projecting from its rear side adapted to enter the slots 8, the front portion of the partition being held firmly between the lips of the upright 10; thus, when the brackets 6 are in position, the partition is rigidly held therebetween and not only forms a means whereby the goods may be separated, but contributes to the functions for which the brackets are designed.

The modification shown in Fig. 4 comprises a pair of angularly bent plates 20 and 21, the outer plate 21 being approximately U shaped, while the inner is similarly formed and has its forward arm bent outwardly to form the lip 22 which forms a bracing means for the shelf, and a protection for the bracket 6. Piercing the forward arm 23 of the outer member 21 are the slots 4' similar to those located in the vertically extending channel 2 in which the rearward extremity of the bracket 6 is received. The back plate 1 is bent laterally at its outer extremity to form the flange 3 which is riveted to the inner plate 20; but should it be so desired the outer plate 21 may form a continuation of the back plate.

The shelves are supported by the bracket 6 and are constructed of corrugated steel to add stiffness to the same, and have their forward longitudinally extending sides curved at 26 to form a finished appearance. To secure the shelf firmly on the bracket 6, the downwardly projecting lip 27 is provided at each longitudinal extremity thereof, engaging the bracket 6 and having the recess 28 at each terminal for the admission of the channel 2 and the upright 10.

From the foregoing it will readily be seen that to remove the brackets 6 from the slots and in this manner take the shelving apart, the same are raised to disengage the notch 13 from the lower extremity of the said slots



and are reciprocated in the upright 10 thus  
disengaging the rear end from the channel 2  
and permitting the forward upright to be  
removed, consequently retaining the entire  
5 bracket.

Having thus fully described my invention  
what I claim as new and desire to secure by  
U. S. Letters Patent is;—

1. A shelving comprising oppositely dis-  
10 posed uprights having extreme registering  
ends and intermediate vertical openings, a  
partition adapted to be received in said ver-  
tical openings and adapted to be secured to  
said rear upright, brackets interposed be-  
15 tween said uprights and having means dis-  
posed therein for engagement with said  
slots, and shelves engaging and resting on  
said brackets.

2. Shelving comprising spaced uprights  
having registering openings in their op- 20  
posed faces, partitions fitted in the central  
openings and extending between the up-  
rights, brackets extending between the up-  
rights and fitted in openings therein at the  
sides of the partitions, and shelves resting 25  
on the brackets and having downturned  
ends fitting between the brackets and the  
partitions.

In testimony that I claim the foregoing  
as my own, I have hereto affixed my signa- 30  
ture in the presence of two witnesses.

LOUIS E. FRICKE.

Witnesses:

GUSTAVE A. HARTMETZ,  
JNO. M. FINKE.