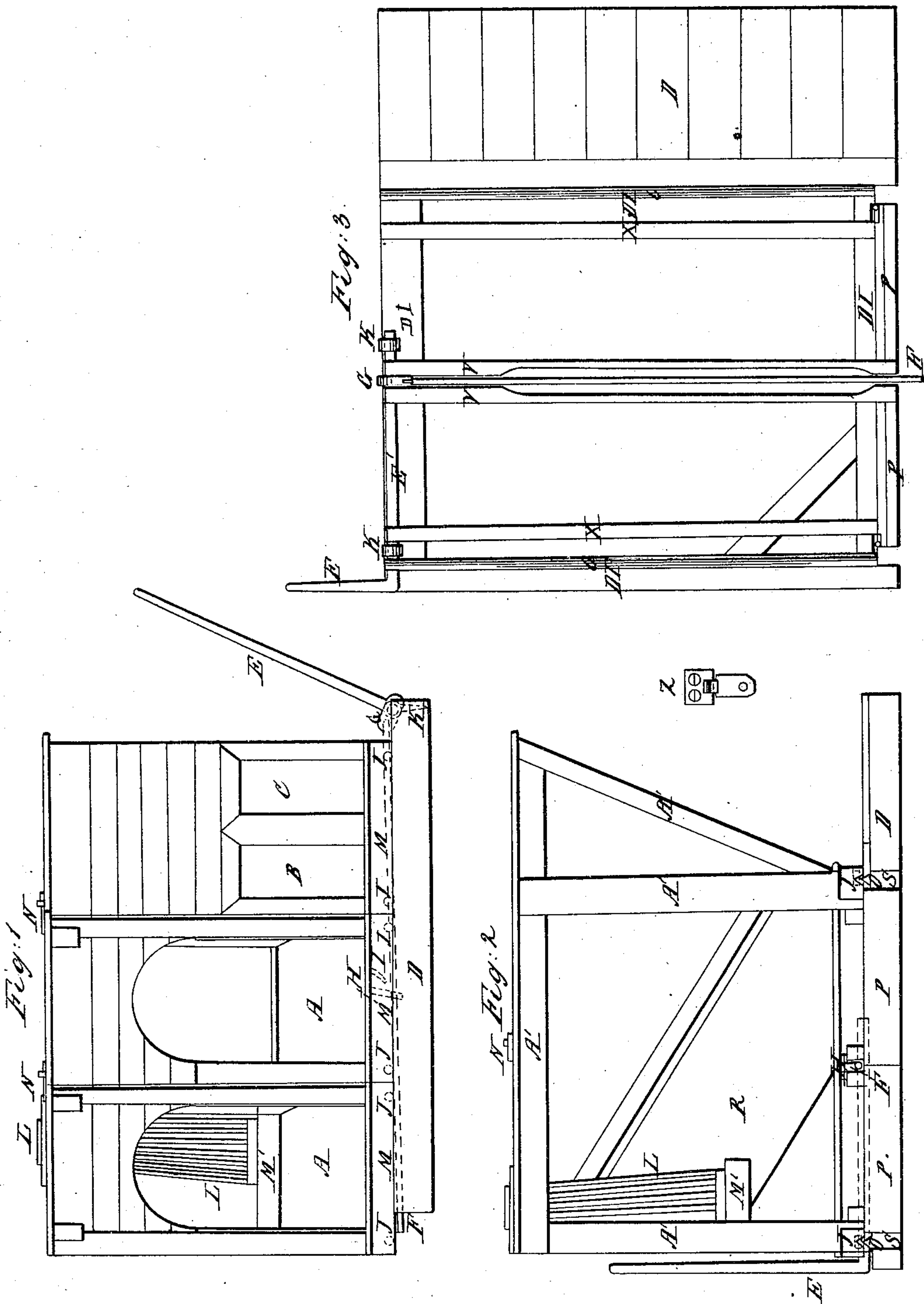


*A. Blood, Sr. & R. W. Brown.*

*Portable House.*

*No. 18,118.*

*Patented Sept. 1, 1857.*





# UNITED STATES PATENT OFFICE.

R. W. BROWN, OF WASHINGTON, DISTRICT OF COLUMBIA, AND ASA BLOOD, SR., OF NORFOLK, VIRGINIA.

## MODE OF REMOVING STORES, &c., IN CASE OF FIRE.

Specification of Letters Patent No. 18,118, dated September 1, 1857.

*To all whom it may concern:*

Be it known that we, R. W. BROWN, of the city of Washington, in the District of Columbia, and ASA BLOOD, Sr., of Norfolk city and county, in the State of Virginia, have invented a new and useful Improvement to be Attached to Stable-Stalls, Granaries, Stores, and Similar Places, which we verily believe has not been known or used prior to the invention thereof by your petitioners; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Figure 1, is a front elevation. Fig. 2, is an end view. Fig. 3, is a plan view of the bottom work.

A, A, stalls; B, feed room; C, harness room; D, sill on which the track is laid; E, lever for operating the apparatus; F, rod attached to lever E, by means of adjustable joint G; H, clench through which rod F passes.

I, shows a spring which throws the clench forward that it may clench the rod on its return after it has been drawn back; J, rollers; K, eye on staple for fastening arm of lever E; L, rack; L', upper end of rack; M', manger.

M, shows the sections and sills to stalls, harness, and feed rooms; N, hooks for holding the stalls, feed and harness rooms together.

In Fig. 2, A' frame work of stalls A; D' main sill of the building; E, lever; F, rod; H, clench; J, rollers; L, rack; L', top of rack; M', manger; N, hooks; O, the track on which the stalls, &c., slide; P, adjustable sills to be turned out so that the track O may be increased in length; R, the partition between the two stalls; S, spaces to receive the ends of adjustable pieces or sills P.

In Fig. 3, is represented the sills, part of the flooring, and the under work of this apparatus; D, part of the main flooring; D', main sill; E, operating lever; E', an arm of said lever attached to G, the adjustable

joint; F, rod passing through H, the clench operated by I, the spring, H and I being shown in Figs. 1 and 2; K, eyes or staples for holding arm E' of lever E; P, adjustable sills; V, guides to rod F; X, guides for the sills of stalls, &c.

Z, represents the clench separate, by itself, not in Fig. 3.

The operation of this invention is as follows: The different sections above described are combined in their respective places, and then placed on track O, having rod F passed through the clench H, when rod F is drawn back by power applied to lever E, by a falling motion it (rod F) freely slides through the clench H owing to the manner of its attachment to the harness room C, (being hinged) the force of spring I holding it at a perpendicular line while rod F is being drawn back. When the lever E is raised, the rod F is thrown forward throwing clench H in an angular position, causing it to clench the rod. By this means the power is applied to all the matter upon the sills required to move upon the track.

The object of this invention is to secure all kinds of stored movable property, such as the contents of livery stables, liquor, hardware, book, and all other stores, from the disastrous effects of fire and water, for by a comparatively slight exertion of strength the whole contents of the building can be moved out into the open air, in a very short space of time, and thus be saved.

Having thus fully described the construction and operation of our invention, what we claim as new, and desire to secure by Letters Patent, is,

The manner herein described for moving the adjustable stalls, by means of the lever E, rod F and clench H, on rollers J, and rack O, as set forth and described.

R. W. BROWN.  
ASA BLOOD, SR.

Witnesses:

EDM. F. BROWN,  
GEO. O. LAMBRIGHT.