

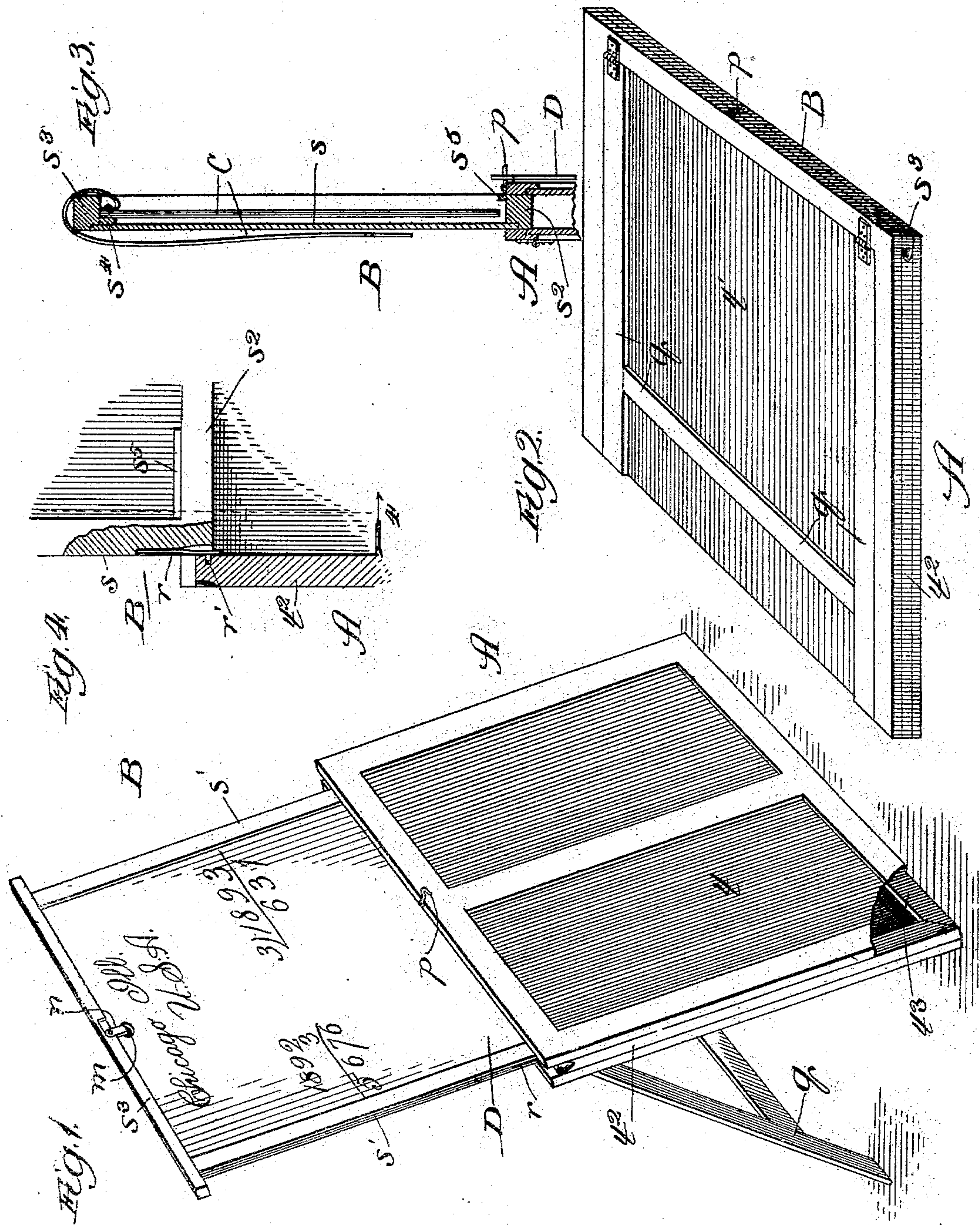
(No Model.)

N. W. MACKEY.

CONVERTIBLE CASE AND DISPLAY STAND FOR CHARTS.

No. 511,089.

Patented Dec. 19, 1893.



Witnesses:  
E. J. Gaylord,  
Bruce S. Elliott.

Inventor:  
Nelson W. Mackey,  
By Dymfouth & Dymfouth  
Attorneys.



# UNITED STATES PATENT OFFICE.

NELSON W. MACKEY, OF CHICAGO, ILLINOIS.

## CONVERTIBLE CASE AND DISPLAY-STAND FOR CHARTS.

SPECIFICATION forming part of Letters Patent No. 511,089, dated December 19, 1893.

Application filed April 6, 1893. Serial No. 469,366. (No model.)

*To all whom it may concern:*

Be it known that I, NELSON W. MACKEY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Convertible Cases and Display-Stands for Charts, of which the following is a specification.

My object is to provide a convertible case particularly for school-charts, which in its closed condition will serve as a housing for the charts to protect them from the dust and render the device readily portable, and which in its opened condition will afford a stand for conveniently displaying the charts.

In the drawings—Figure 1 is a perspective view of my improved device opened to afford the display stand; one corner being broken away to show construction; Fig. 2, a similar view of the same, showing the device closed; Fig. 3, a broken vertical section, enlarged, of the upper part of the device when opened, illustrating the manner of its use as a display stand; and Fig. 4, an enlarged broken sectional view, showing a detail of the construction.

A is a casing comprising the front  $t$ , back  $t'$ , side strips  $t^2$  and base strip  $t^3$  secured together to afford a box open at its upper edge.

B is a frame preferably in the form of a tray having a solid back  $s$ , side strips  $s'$ , bottom strip  $s^2$ , and top strip  $s^3$ . The tray B slides in the casing through the open end of the latter, and the side strips  $t^2$  are cut away at their upper ends to permit the top strip  $s^3$  of the tray, when closed in the casing, to extend flush with the top edges of the front  $t$ , and back  $t'$ . On the side strips  $s'$ , toward their lower ends, are spring catches  $r$  adapted to engage sockets  $r'$  in the upper end portions of the side strips  $t^2$  and hold the tray in its elevated position. On the back of the casing is a folding leg or leg frame  $q$ , which is preferably hinged in place, as shown, whereby it may be closed against the back  $t'$  when not in use. On the casing is a hook and eye fastening  $p$  whereby the tray when slid into the casing may be locked in place.

The charts C are of flexible material, and fastened at their upper edges to a cleat  $s^4$  in the tray, as shown in Fig. 3. The charts extend one over the other, and may be thrown

over the top rail  $s^3$  to bring the different charts into view. To prevent the charts from becoming caught and wrinkled as the tray is slid into the casing, I provide a stiff, removable, preferably card-board sheet D of about the size of the inner portion of the tray, which may be inserted to rest at its lower edge behind the cleats  $s^5$ , on the bottom strip  $s^2$ , and held at its top edge by a suitable latch  $n$ . I prefer to provide the sheet D with a black-board surface, and with a small opening  $m$  at the top at which it may be passed over the hook  $p$ , as shown in Fig. 3, when the device is used as a display stand.

My improvement is more especially designed for use in school rooms, and the black-board D, when hung upon the hook  $p$ , is in convenient position for use by the teacher while explaining problems or other matter contained in the charts.

The case when closed affords an effective means for keeping the charts clean and in good order when not in use; and as it may be quickly and readily converted into a convenient display stand for the charts, it affords a particularly desirable device for the purposes for which it is intended.

Although I prefer to construct the device as shown and described, it may be modified in the matter of details of construction without departing from the spirit of my invention as defined by the claims.

What I claim as new, and desire to secure by Letters Patent, is—

1. A convertible case and display stand for charts, comprising, in combination, a casing A, adapted to stand upon end, a frame to which the charts are attached fitting inside the casing and adapted to slide in and out at the upper end thereof, and operating when partly withdrawn from the casing to hold the charts in position for display, and stop mechanism on the device for sustaining the frame in elevated position, substantially as described.

2. A convertible case and display stand for charts, comprising, in combination, a casing A, provided with a folding leg,  $q$ , whereby the casing is adapted to stand upon end, a frame to which the charts are attached fitting inside the casing and adapted to slide in and out at the upper end thereof, and operating



when lowered into the casing to close the same, and when partly withdrawn from the casing to hold the charts in position for display, and spring-catch mechanism between the casing 5 and frame operating to engage and hold the frame in its elevated position, substantially as described.

3. In a convertible case and display stand for charts, the combination with the casing A, 10 adapted to stand upon end, of a frame B, fitting inside the casing and adapted to slide therein between the positions of closing the casing and of partial withdrawal therefrom to an elevated position, stop-mechanism on

the device for sustaining the frame in its ele- 15 vated position, a series of charts attached at their upper edges to the upper end portion of the frame, whereby they may be thrown over the top of the frame, and a black-board D fitting the frame and operating as a guard for 20 the charts to hold them flat while the frame is being slid into the casing, substantially as described.

NELSON W. MACKEY.

In presence of—

M. J. FROST,

W. N. WILLIAMS.