

(No Model.)

F. L. CHAPPELL.
ADVERTISING BOARD.

No. 533,841.

Patented Feb. 5, 1895.

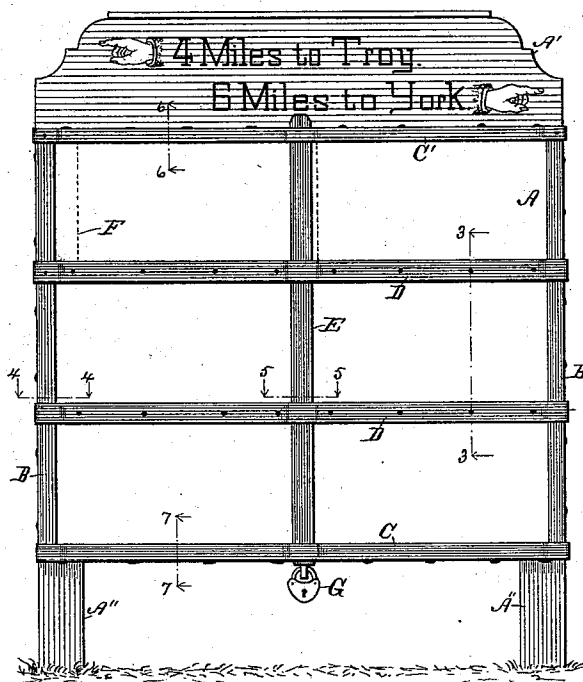


Fig. 1

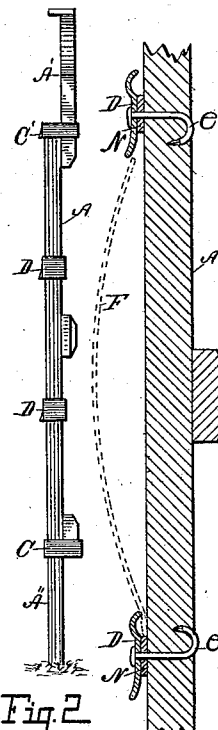


Fig. 2

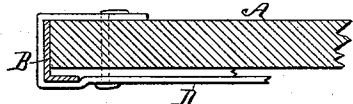


Fig. 4

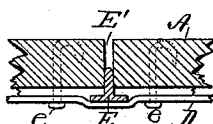


Fig. 5

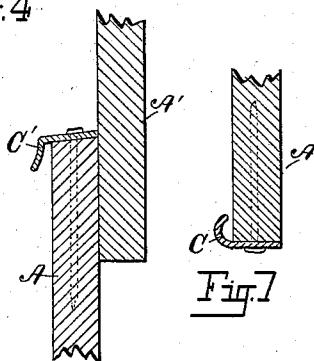


Fig. 6

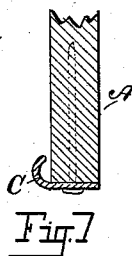


Fig. 7

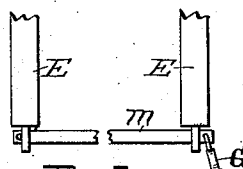


Fig. 8

Fig. 9

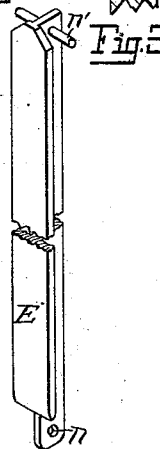


Fig. 3

Witnesses:

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Inventor,

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UNITED STATES PATENT OFFICE.

FRED L. CHAPPELL, OF KALAMAZOO, MICHIGAN, ASSIGNOR TO HENRY D. STREATOR, OF SAME PLACE.

ADVERTISING-BOARD.

SPECIFICATION forming part of Letters Patent No. 533,841, dated February 5, 1895.

Application filed October 11, 1894. Serial No. 525,585. (No model.)

To all whom it may concern:

Be it known that I, FRED L. CHAPPELL, a citizen of the United States, residing at the city of Kalamazoo, in the county of Kalamazoo and State of Michigan, have invented certain new and useful Improvements in Advertising-Boards, of which the following is a specification.

My invention relates to advertising boards and more particularly to advertising boards that are used also as mile and guide boards, which are usually used on the highway in the open air.

The chief objects of my invention are to provide a board which shall be durable; that cannot be destroyed by those mischievously inclined; and to provide such a board on which advertisements can be placed on metal sheets in such a manner as to be easily detachable; to provide means whereby the sheets can be securely locked upon the board when it is desired to leave them there and which can be easily removed by undoing the lock.

Another object is to provide means of holding these thin, metallic sheets so that it will not be necessary to dent or bend the corners or hammer them or use a hammer in putting them up, or bend them in any way in putting them up.

A further object is to provide means of supporting the metallic plates in such a way that water will be shut off from them to prevent corroding and rusting.

I accomplish these objects of my invention by the devices shown in the accompanying drawings, in which—

Figure 1 is a front elevation of a mile and guide board embodying my invention. Fig. 2 is a side elevation of the same. Fig. 3 is an enlarged detail sectional view on line 3—3 of Fig. 1. Fig. 4 is also an enlarged detail sectional view on line 4—4 of Fig. 1. Fig. 5 is also an enlarged detail sectional view on line 5—5 of Fig. 1. Fig. 6 is an enlarged detail sectional view on line 6—6 of Fig. 1. Fig. 7 is an enlarged detail sectional view on line 7—7 of Fig. 1. Fig. 8 is a detail view in perspective of the central T-strip, E, enlarged which secures the inner edges of the plates.

Fig. 9 is a detail view showing the method of locking where a number of sections are used.

Similar letters of reference refer to similar parts throughout the several views; and in the drawings, the sectional views are all taken looking in the direction of the little arrows at the ends of the section-lines.

In the drawings, A', A'', represent two scantlings for the posts which are placed toward the outer edge of the mile board to support it. The board consists of cross pieces at the top and bottom attached to these posts and vertical strips of board nailed to said cross pieces.

To each side of the entire mile board are attached strips of iron, B, B, bent like angle iron over the edge of the board to form a groove between the strips, B, and the board, A, as seen on the sectional view in Figs. 4 and 5. To the horizontal cross boards are also attached strips, D, D, through the middle which are raised from close contact with the board by a strip, N, underneath these strips, being preferably of metal. Sheet steel is preferred, though heavy band iron or other metal will answer the purpose very well.

Across the top of the posts of the main board, A', is stretched an angular piece, C', which projects down from each board and curves out (see Fig. 6) leaving a little recess to slip in the metallic sheets and a similar piece, C, is attached across the bottom of the board and fastened securely on by long, slim spikes, or in any desired manner.

Supported above the main board is the guide and mile board, A', on which are marked the distances and directions which, in this instance, are marked "4 miles to Troy" a finger indicating the direction and in the opposite direction is "6 miles to York" a finger also indicating the direction. The transverse or horizontal strips, D, are bent around the outer edge and are fastened in place by the nails clinched, as shown in Fig. 4. The transverse strips I also attach by clinched nails. (See Figs. 3 and 5.) This makes a very secure attachment, it only being possible to destroy the board by entirely demolishing it, any part or portion not being easily detached. It will be seen by this that a board constructed

with the top and bottom strips, C', C, and the two cross pieces, D, will divide the board into three long, horizontal sections. In these sections, are inserted the metallic sheets on which the advertisements are to be placed. These sheets are comparatively thin and are easily sprung. The lower edge of the sheet is slipped into the groove, as indicated in Fig. 3, back of the nailed strip, D. Then the entire sheet is bowed out, as indicated by dotted lines in Fig. 3, and the top inserted under the upper strip, D or C', as the case may be, when the sheet, F, will lay flat and be in the position indicated by dotted lines at the upper left hand portion of Fig. 1. When the sheet is in, it can be slipped either to the right or left until it passes under the side pieces, B. The sheets can thus be placed to each end of each of the long, horizontal sections. When they are in place, the strip of T-steel, E, can be inserted down from the top just under the strips, C', D, D and C, through the holes cut through the angled part of the strip, C' and C, a pin, n', stopping it when it is slipped through and the broad piece of the T projecting out over the plates, F, and securing them very securely in place so that it is impossible to get at the edge of the sheets to pry them out, thus making it exceedingly difficult to remove them because the board backing will prevent their being sprung. A lock, G, is inserted in the hole, n, in the bottom of the T-steel strip, E, and secures the piece in place, making it only possible to remove the signs by destroying the entire board.

The lower edge of each of the cross strips, C', D, D, and C, is curved out to form a watershed to prevent water washing dirt from above onto the signs below, and the upper side of the cross strip, where it comes in contact with the plate, is designed to grip it closely as will be readily seen and understood in Fig. 3. This assists in preventing the edges becoming corroded in that way. An indefinite number of sections, the same as I have shown here, can be placed side by side as will usually be found to be advisable at cross roads. Where this is done, to save expense of additional locks, a rod, m, can be inserted through the lower end of any number of the T-steels, E,

E, as indicated in Fig. 9, and a single lock at the end will lock all securely.

I desire to say that my improved means of securing the metallic sheets to the mile board can be considerably varied without departing from my invention; but I believe I have provided a means that accomplishes its result perfectly without denting or injuring the sheets in any way to cause them to reflect light irregularly or to present any irregular appearance; and, by having the same locked by a lock, they can be removed and replaced by the person having authority to do so.

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

1. In an advertising board, the combination of the side pieces, A'', A''; the main board, A; the side strips, B, B, bended to form recesses for metallic sheets; cross strips, C', at the top and C at the bottom having recesses and intermediate cross strips, D, D, separated slightly from the board by the strips, N, to form recesses; metallic plates, F, for insertion into said recesses for receiving advertisements and the T-steel, E, inserted from the top downward through said board to engage over the inner edges of said sheets, F, to secure them in place; and a lock, G, through the hole, n, in the bottom part of said T-steel to lock the whole securely together, substantially as described for the purpose specified.

2. In an advertising board, the combination of the main board, A; the edge strips, B, to each side forming recesses between the board and said strips; transverse strips slightly raised from the said main board to form grooves; flexible metallic sheets to be inserted in said grooves, as specified; and a T-steel to be inserted under the transverse strips and over the metal plates to retain the same securely in place; and a lock, G, to lock said T-strips in place, as specified.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

FRED L. CHAPPELL. [L. S.]

Witnesses:

MARIAN J. LONGYEAR,

VERNE E. CHAPPELL.