

C. F. BREHMER & O. KNEEDLER.
SECTIONAL SIGN SUPPORTING FRAME.
APPLICATION FILED MAY 24, 1912.

1,057,800.

Patented Apr. 1, 1913.

2 SHEETS—SHEET 1.

Fig. 2.

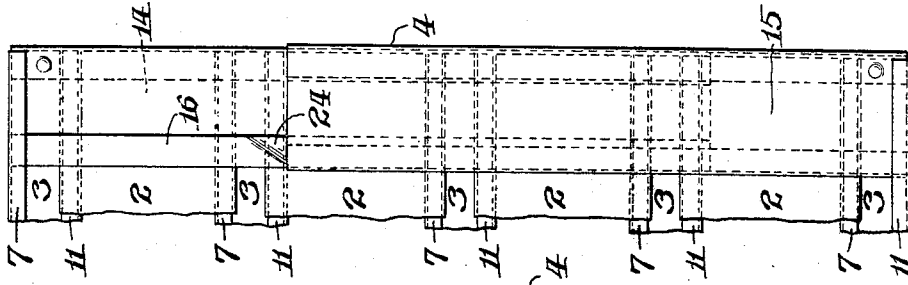
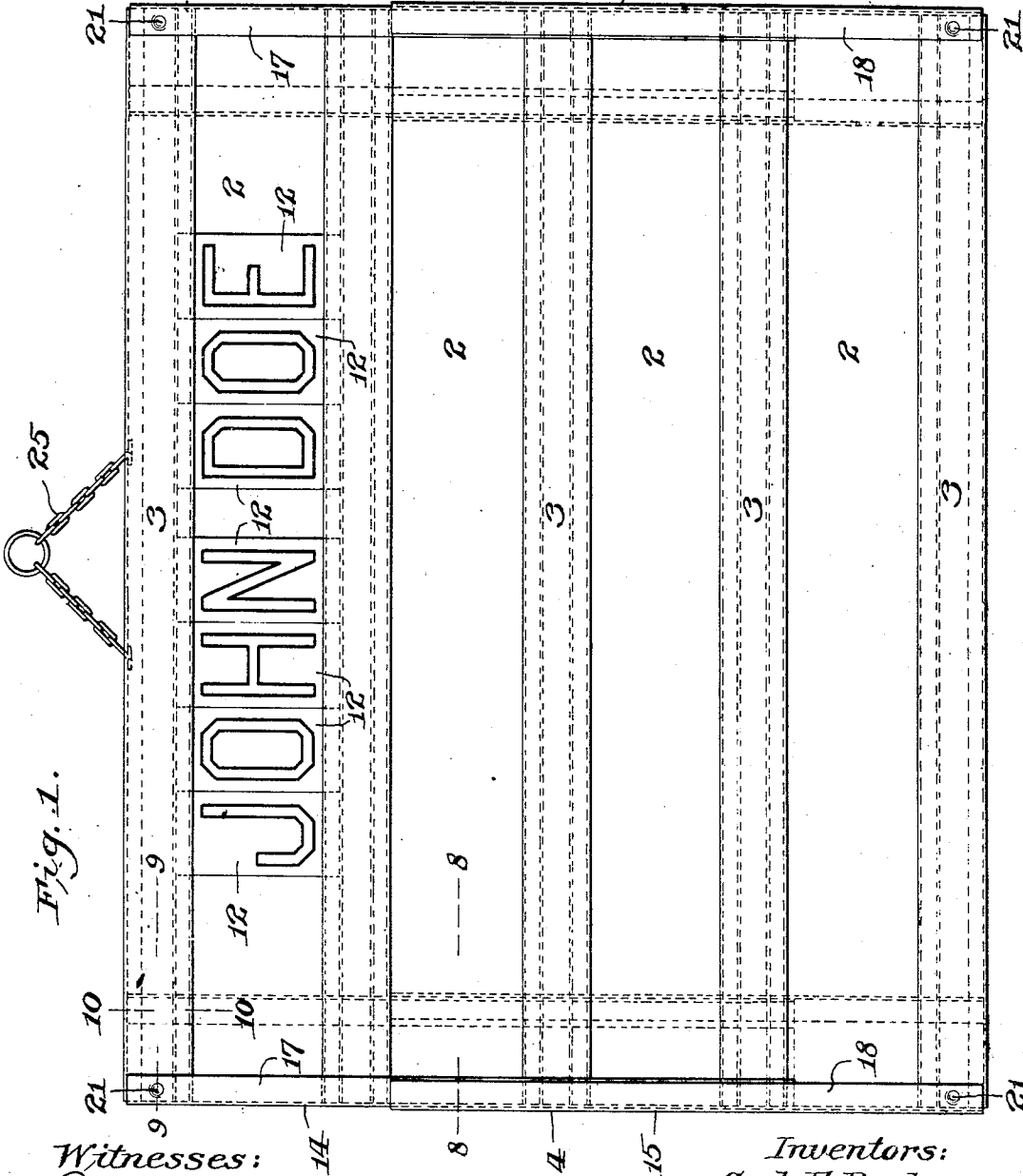


Fig. 1.



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2 SHEETS—SHEET 2.

Fig. 3. Fig. 4. Fig. 5. Fig. 6.

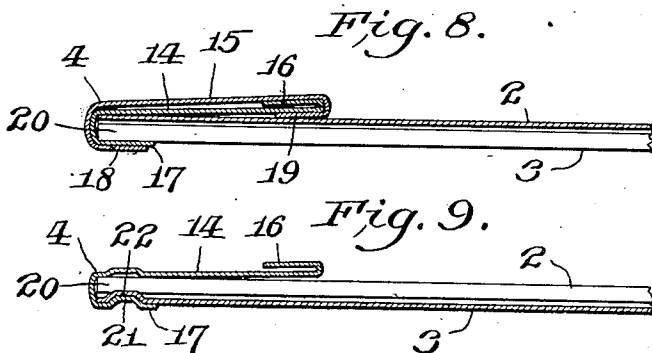
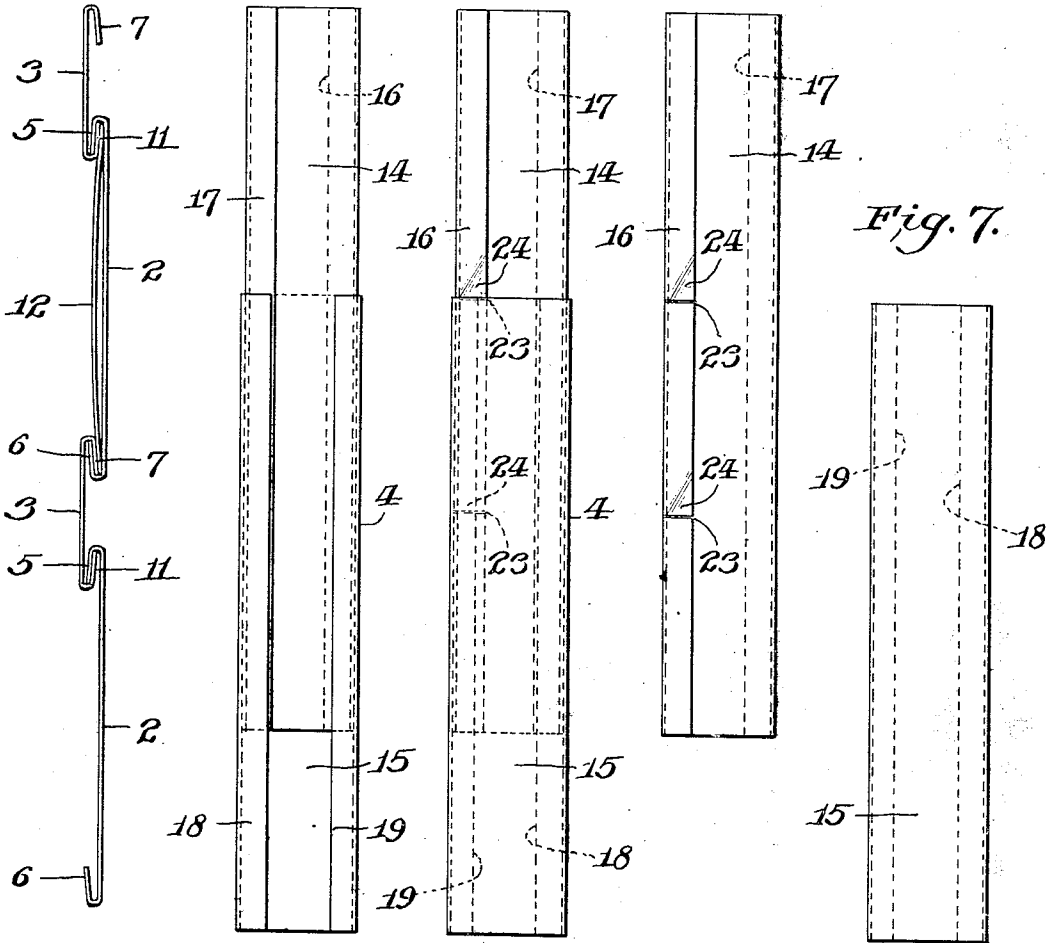
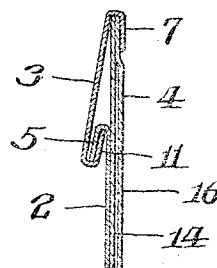


Fig. 10.



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UNITED STATES PATENT OFFICE.

CARL F. BREHMER AND OSCAR KNEEDLER, OF PHILADELPHIA, PENNSYLVANIA.

SECTIONAL SIGN-SUPPORTING FRAME.

1,057,800.

Specification of Letters Patent.

Patented Apr. 1, 1913.

Application filed May 24, 1912. Serial No. 699,390.

To all whom it may concern:

Be it known that we, CARL F. BREHMER and OSCAR KNEEDLER, citizens of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Sectional Sign-Supporting Frames, of which the following is a specification.

This invention relates to that class of sign supporting frames adapted to receive rows of independently adjustable cards having letters and other characters printed thereon for the formation of the words, etc., desired to be displayed.

The object of our invention is to provide a sectional sign supporting frame of novel, simple and efficient construction provided with a plurality of separable sections adapted to receive the cards in combination with means to connect said sections together and hold them in proper relation to each other in a manner to permit the number of the sections to be readily increased or decreased to meet various requirements.

The invention consists in the novel construction and combinations of parts herein-after fully described and particularly pointed out in the claims.

In the accompanying drawings, illustrating our invention: Figure 1, is a front elevation of our improved sign supporting frame. Fig. 2, is a rear elevation of one end thereof. Fig. 3, is an end view of several card-receiving sections and several connecting sections connected thereto and a card in one of the card-receiving sections. Fig. 4, is a front elevation of the left hand telescopic end member of the frame detached. Fig. 5, is a rear elevation of the left hand telescopic member detached. Figs. 6 and 7 are rear views of the two telescopic sections forming the end member shown in Fig. 5, detached from each other. Figs. 8 and 9 are horizontal sections, on lines 8—8 and 9—9, respectively, of Fig. 1. Fig. 10, is a vertical section, on line 10—10 of Fig. 1.

Referring to the drawings, the frame, as generally considered, comprises horizontally-arranged card-receiving sections 2 and connecting sections 3, alternating with each other, and vertically-arranged telescopic end members 4 connected to the ends of the sections 2 and 3. Each card-receiving section 2 is formed of a strip of sheet metal having its upper portion bent to form a forwardly and downwardly extending flange 5,

and having its lower portion bent to form a forwardly and upwardly extending flange 6. Each connecting member 3 is also formed of a strip of sheet metal having its upper portion bent to form a rearwardly and downwardly extending flange 7, and having its lower portion bent to form a rearwardly and upwardly extending flange 11.

When the sections 2 and 3 are assembled in the frame, the lower flange 11 of the uppermost section 3 is hooked under the upper flange 5 of the uppermost section 2, and the upper flange 7 of the lowermost section 3 is hooked over the lower flange 6 of the lowermost section 2; and all intermediate sections 3 have their lower flanges 11 hooked under the adjacent flanges 5 of the sections 2 and their upper flanges 7 hooked over the adjacent flanges 6 of the sections 2. It will thus be seen that the sections 2 and 3 are linked together in alternate succession in the form of a chain with a section 2 at the top and a section 2 at the bottom of the chain to form upper and lower finishing edges for the frame. When the sections 2 and 3 are thus assembled, letter cards may be introduced to any or all of the sections 2 to form the desired words. In the drawings, we have shown cards 12 applied to the upper sections 2. When the cards are applied their upper edges are inserted into the channel formed between the flange 5 and the body of the section 2, and their lower edges are inserted into the channel formed between the flange 6 and the body of the section, both the upper and lower edges of the cards 12 being inserted back of the adjacent edges of the sections 3.

Both end members 4 are alike in every particular, excepting that they are made right and left, as shown, and, therefore, a description of one will suffice for both. Each telescopic member 4 comprises inner and outer vertically-extending strips of metal 14 and 15, respectively, the upper portion of the inner member projecting above the top of the outer member and the lower portion of the outer member projecting below the bottom of the inner member, as shown. The vertical edges of the inner strip 14 are bent and extended inwardly forming stiffening flanges 16 and 17; and the vertical edges of the outer strip 15 are bent and extended inwardly and form stiffening flanges 18 and 19 which embrace the

inturned edges of the strip 14 in a manner to permit the strip 14 to slide vertically within the inturned edges of the strip 15. The flanges 17 and 18 are on the forward and outer portion of the member 4 and they extend forwardly of the body portions of the strips 14 and 15 and form a continuous channel 20 extending from the top to the bottom of the member 4 for the reception of the adjacent ends of the sections 2 and 3.

When the vertical end member 4 is applied, the main body thereof is placed back of the sections 2 and 3 as the ends thereof are passed horizontally and bodily into the channel 20, the upper end of the body of the member passing between the body of the uppermost section 3 and its top flange 7, and the lower end of the body of the member passing between the body of the lowermost section 3 and its bottom flange 11. It will thus be seen that, when the parts are assembled the top flange is hooked over the top of the member 4 and the bottom flange 11 is hooked under the bottom of the member 4, thereby preventing the chain of sections 2 and 3 from being collapsed vertically while the walls of the channel 20 hold the sections 2 and 3 in proper position, one above another.

To prevent accidental outward movement of the member 4 from the ends of the sections 2 and 3, we provide the top of the flange 17 and also the bottom of the flange 18 each with an inwardly extending projection 21 adapted to register with and spring into a depression in the adjacent section 3 when the parts are assembled.

When it is desired to increase the size of the frame by adding sections 2 and 3 thereto or to decrease the size of the frame by removing sections 2 and 3 therefrom, the end members 4 are removed from the chain of sections 2 and 3, and, after the desired number of sections have been added to or removed from the chain, the strips 14 of the end members 4 are adjusted within the strips 15 thereof until the length of the members 4 corresponds to the chain of sections 2 and 3; then the members 4 are again applied to the ends of the sections as previously explained.

To prevent the upper ends of the members 4 from moving toward the lower ends thereof after the members 4 are adjusted to fit the chain of sections, we split the flange 16 of each member 14 at spaced points 23 and bend the adjacent corners 24 out into the path of the top of the strip 15 so that one corner 24 will engage the top of the strip 15 when the strips 14 and 15 are properly adjusted to fit the chain of sections 2 and 3, the space between the two adjacent split parts 23 corresponding with the vertical dimensions of a section 2 and a section 3.

The uppermost section 3 is provided with

a suitable chain 25 by means of which the entire frame may be suspended from a suitable support.

By the construction shown and described we provide a sectional sign supporting frame which may be readily adjusted for the addition or removal of sections thereto or therefrom, and one that may be packed in close quarters by separating the sections 2 and 3 and members 4 and placing them in parallel relation to each other, face to face.

We claim:

1. A sign supporting frame comprising a plurality of sheet-metal card-receiving sections, a plurality of sheet-metal connecting sections in parallel relation to and alternating with the card-receiving sections, said sections having means for detachably connecting their adjacent edges together, and detachable, vertically-arranged end members wholly supported by the ends of said sections and provided with means for engaging the card-receiving sections and the connecting sections and holding them in position relatively to each other.

2. A sign supporting frame comprising a plurality of separable card-receiving sections arranged one above another, and vertically-arranged telescopic end members engaging the ends of said sections, one of said end members being formed of two strips of sheet metal slidably engaged with each other, and one strip having an integral outwardly bent corner engaging a part of the other strip and preventing relative movement between said strips in one direction when said strips are adjusted to a predetermined position.

3. A sign supporting frame comprising a plurality of card-receiving sections having forwardly and downwardly extending flanges on their upper edges and forwardly and upwardly extending flanges on their lower edges, a plurality of connecting sections alternating with the card-receiving sections and having rearwardly and downwardly extending flanges on their upper edges and rearwardly and upwardly extending flanges on their lower edges, the flanges of the adjacent edges of said sections being hooked together, and vertically-arranged end members engaging the ends of said sections, the uppermost section having its top flange hooked over the tops of said end members.

4. A sign supporting frame comprising a plurality of card-receiving sections having forwardly and downwardly extending flanges on their upper edges and forwardly and upwardly extending flanges on their lower edges, a plurality of connecting sections alternating with the card-receiving sections and having rearwardly and downwardly extending flanges on their upper edges and rearwardly and upwardly extend-

ing flanges on their lower edges, the flanges of the adjacent edges of said sections being hooked together, and vertically-arranged end members engaging the ends of said sections, the uppermost section having its top flange hooked over the tops of said end members, and the lowermost section having its bottom flange hooked around the bottoms of said end members.

5 5. A sign supporting frame comprising a plurality of card-receiving sections having forwardly and downwardly extending flanges on their upper edges and forwardly and upwardly extending flanges on their lower edges, a plurality of connecting sections alternating with the card-receiving sections and having rearwardly and downwardly extending flanges on their upper edges and rearwardly and upwardly extending flanges on their lower edges, the flanges of the adjacent edges of said sections being hooked together, and vertically-arranged end members engaging the ends of said sections, the uppermost section having its top flange hooked over the tops of said end members, the lowermost section having its bottom flange hooked around the bottoms of said end members, and means to prevent said members from moving outwardly from the ends of said sections.

10 6. A sign supporting frame comprising a plurality of card-receiving sections one above another, vertically-arranged detachable end members engaging the ends of said sections and crossing the same, and be-

ing removable from said sections independently of each other, said end members having vertical channels formed therein receiving the ends of said sections, said members having parts engaging said sections and preventing said members from moving outwardly from the ends of said sections.

7. A sign supporting frame comprising a plurality of card-receiving sections having forwardly and downwardly extending flanges on their upper edges and forwardly and upwardly extending flanges on their lower edges, a plurality of connecting sections alternating with the card-receiving sections and having rearwardly and downwardly extending flanges on their upper edges and rearwardly and upwardly extending flanges on their lower edges, the flanges of the adjacent edges of said sections being hooked together, vertically-arranged telescopic end members engaging and being wholly supported by the ends of said sections, and means to prevent the movement of the upper ends of said members toward the lower ends of said members when adjusted to a predetermined position.

In testimony whereof we affix our signatures in presence of two witnesses.

CARL F. BREHMER.
OSCAR KNEEDLER.

Witnesses:

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A. V. GROUPE.