

(No Model.)

W. A. McCool.  
SIGN.

No. 328,796.

Patented Oct. 20, 1885.

Fig. 1.

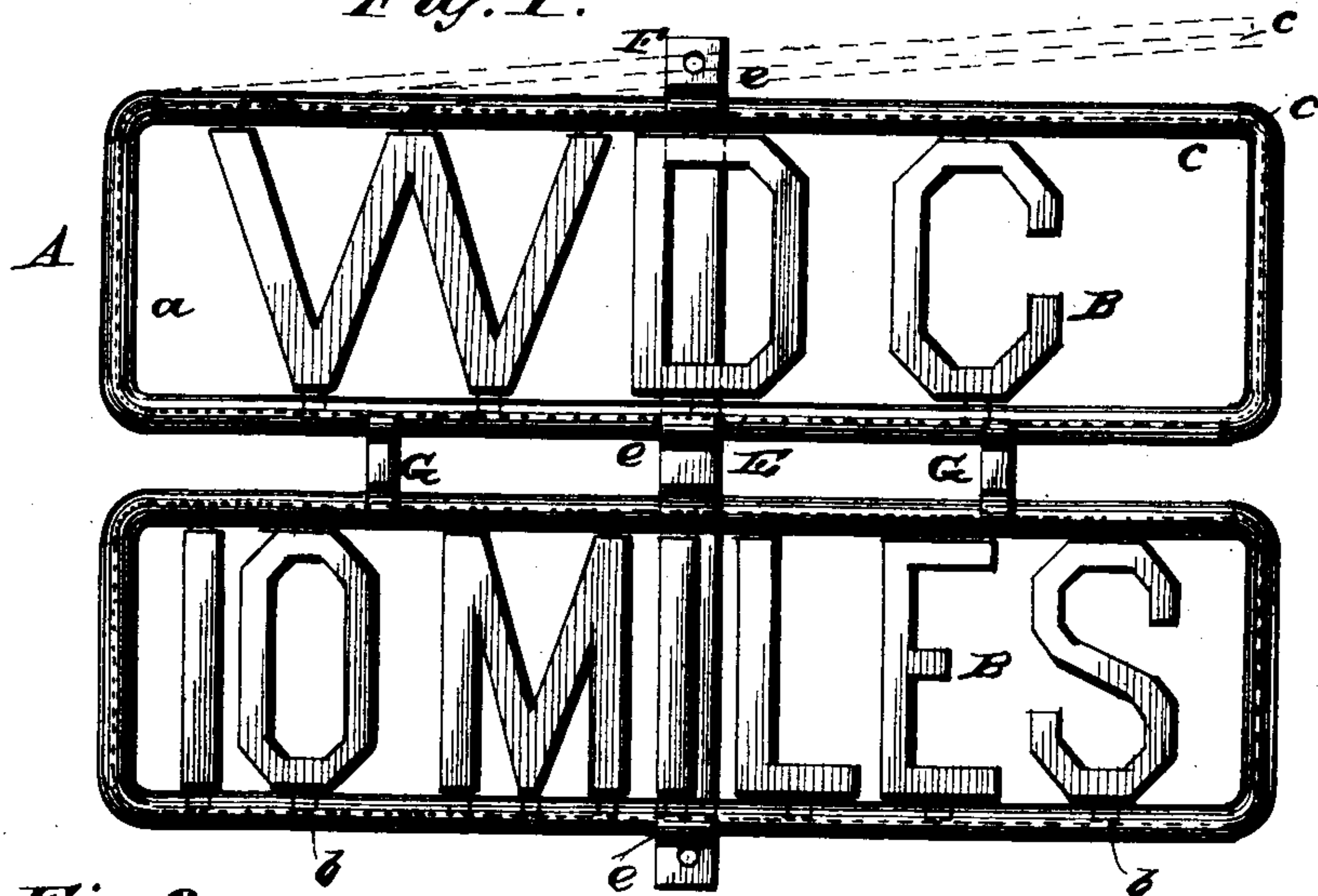


Fig. 2.

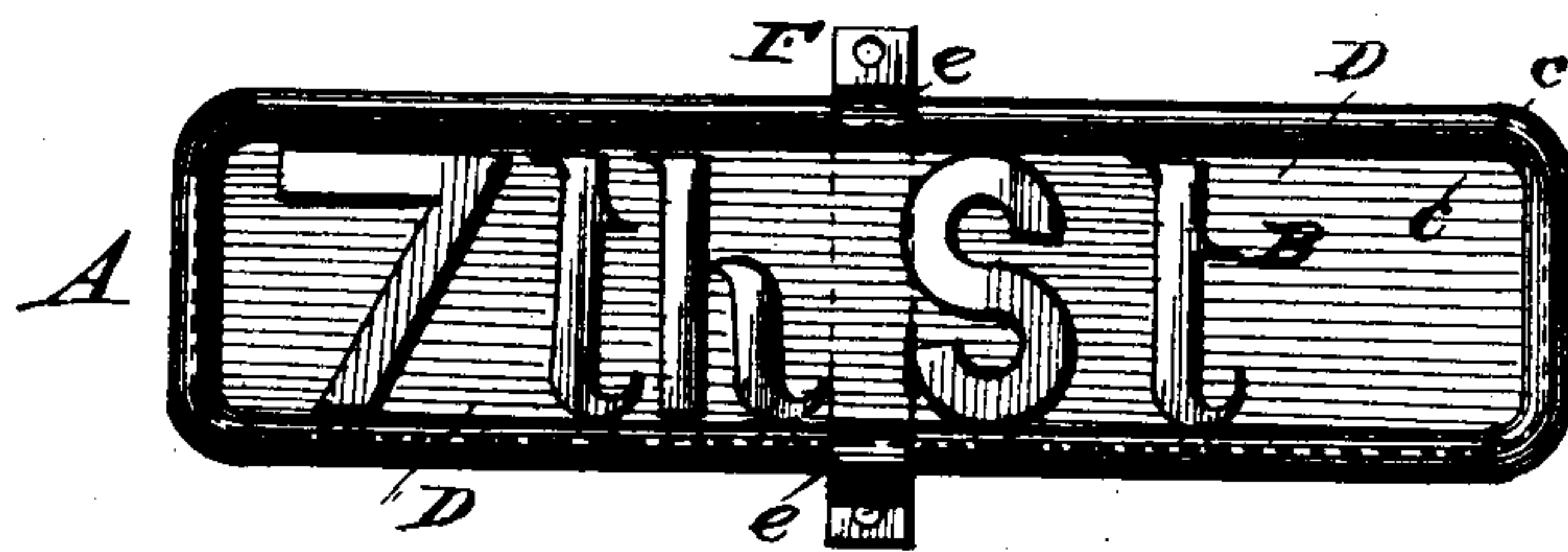


Fig. 3.

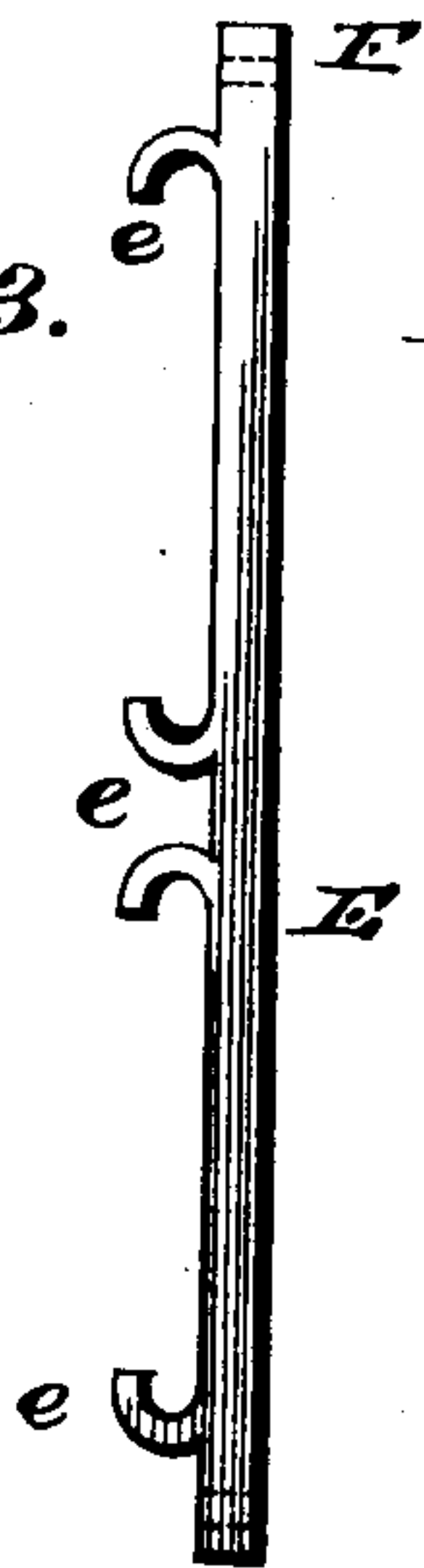


Fig. 4.

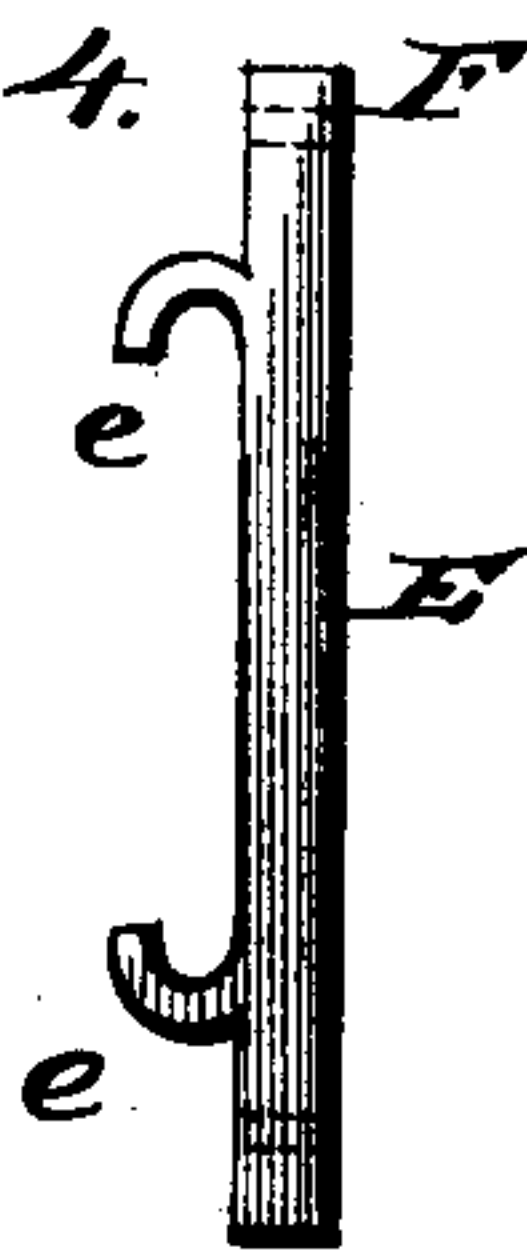


Fig. 5.

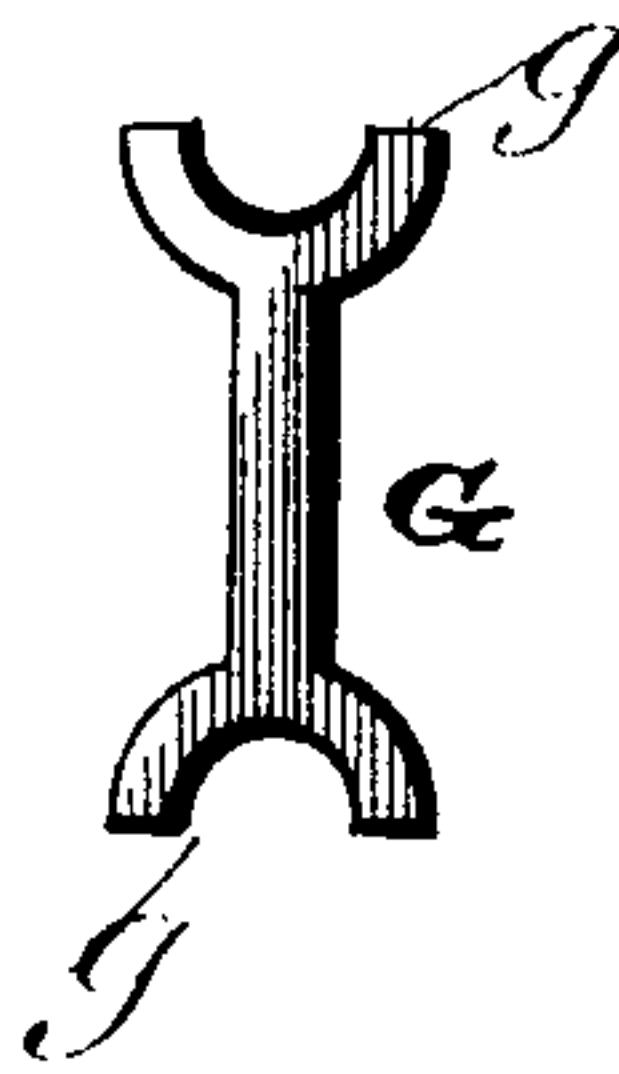


Fig. 6.

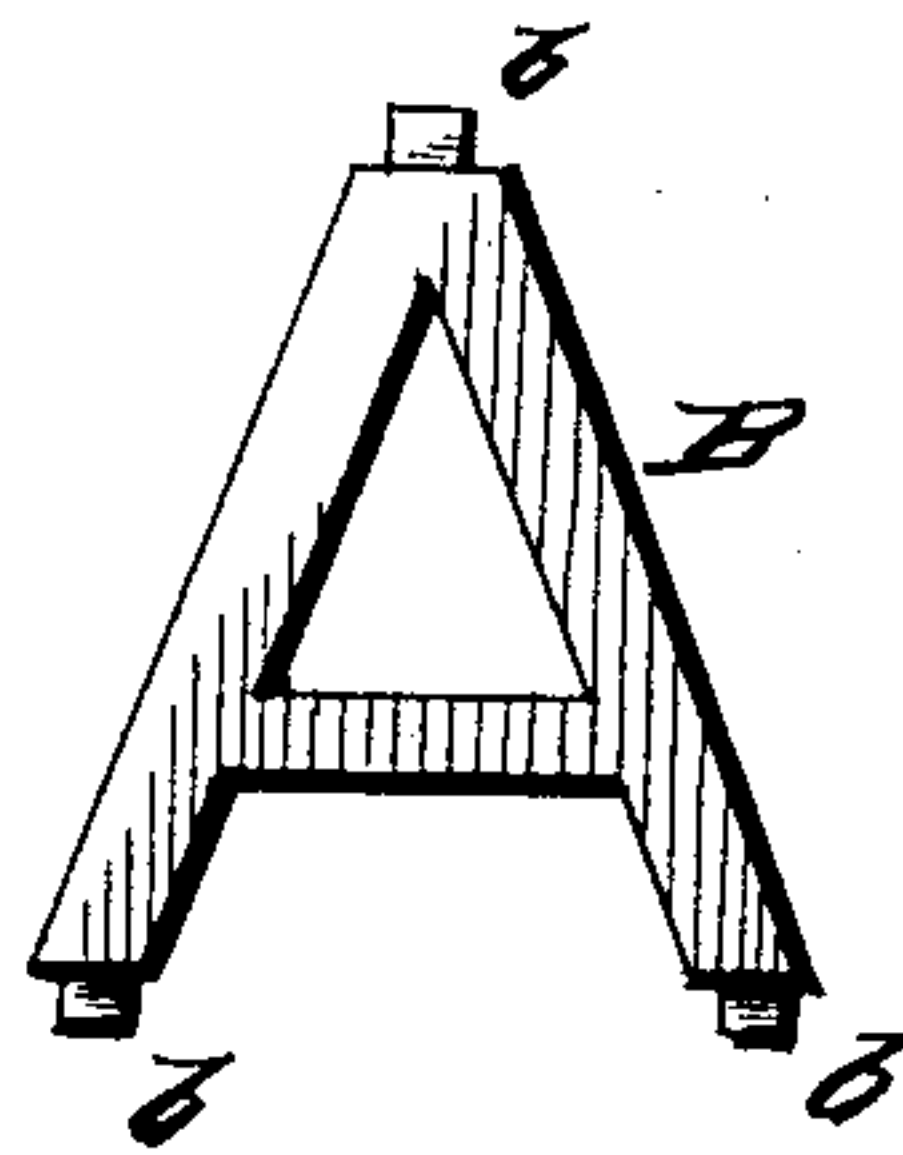


Fig. 7.



WITNESSES

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# UNITED STATES PATENT OFFICE.

WILLIAM A. MCCOOL, OF PERRYVILLE, ASSIGNOR OF ONE-HALF TO PAUL OLIVER, OF ASHLAND COUNTY, OHIO.

## SIGN.

SPECIFICATION forming part of Letters Patent No. 328,796, dated October 20, 1885.

Application filed May 7, 1884. Serial No. 130,645. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM A. MCCOOL, of Perryville, in the county of Ashland and State of Ohio, have invented certain new and useful Improvements in Signs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to signs, the object being, primarily, to provide a metallic frame of cheap and durable construction to support sign-letters.

A further object of the invention is to provide a frame for sign or guide boards of such construction as to reduce to the minimum the labor required to apply the letters thereto.

The invention consists in a frame for signs, said frame being formed of grooved wrought metal.

The invention further consists in the combination, with a grooved frame of wrought metal, of metallic letters supported in the grooves of the frame.

The invention further consists in the combination, with a sign board or frame, of a support formed with arms to embrace the board or frame.

The invention further consists in the combination, with a grooved wrought-metal frame, of sign-letters and a backing held within the grooves of the frame.

In the accompanying drawings, Figure 1 is a front elevation of a sign or guide board constructed in accordance with my invention, and consisting of two frames secured together. Fig. 2 is a similar view of a single-frame sign having a backing of sheet metal. Figs. 3, 4, and 5 illustrate different forms of supports for the sign. Fig. 6 is a view of a sign-letter provided with lugs adapted to enter the grooves of the frame, and Fig. 7 is a view in perspective of a portion of the sign-frame, showing the groove for the letters.

A represents a frame, of rectangular form, consisting of a wrought-metal rod having a continuous groove, *a*, formed therein.

B represents sign-letters, preferably of metal, formed with lugs *b* at both the upper

and lower ends of the letters. In the manufacture of these signs I first bend a grooved wrought-metal rod to the form required for the frame A, leaving the ends *c c* of the rod disconnected. The letters B are then inserted between the parallel top and bottom of the frame, after which the ends *c c* of the latter are drawn together and soldered or otherwise secured to clamp the letters in place and complete the sign.

As shown in Fig. 2, a backing, D, preferably of sheet metal, is inserted in the grooves of the frame for the letters to rest upon. In that case the backing should be of a different color from the letters, to throw the letters into relief—for instance, I use a black backing with white letters, or vice versa.

For some kinds of signs—notably guide-boards for roads—two or more frames may be required, said frames being connected by a support, E, formed with arms *e*, adapted to be bent to embrace and hold the frames together, as shown in Fig. 1. These supports are formed with perforated extensions F, to receive nails or screws for securing the sign in place.

G G represent braces formed at each end, with arms *g* to embrace the opposite sides of the frames and hold them at the proper relative position.

In Fig. 2 I have illustrated a support adapted for use with a single frame.

If desired, the lugs *b* may be omitted from the letters, and the latter inserted directly into the grooves of the frame.

It will be apparent that my invention may be utilized for signs of all characters, and that when employed for store, office, or other business signs any suitable ornamentation may be resorted to in the design of the letters and frame.

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

1. A frame for sign-letters, said frame consisting of a grooved metal rod formed from a single piece and joined at its ends, substantially as described.

2. The combination, with metallic letters,



of a frame consisting of a single rod having a continuous groove, said rod being bent and secured at its ends, substantially as described.

3. The combination, with two frames having letters secured therein, as shown, of a support formed with arms to embrace said frames, and with perforated extensions and braces G G, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

WILLIAM A. McCOOL.

Witnesses:

WILLIAM P. SMITH,  
F. O. McCLEARY.