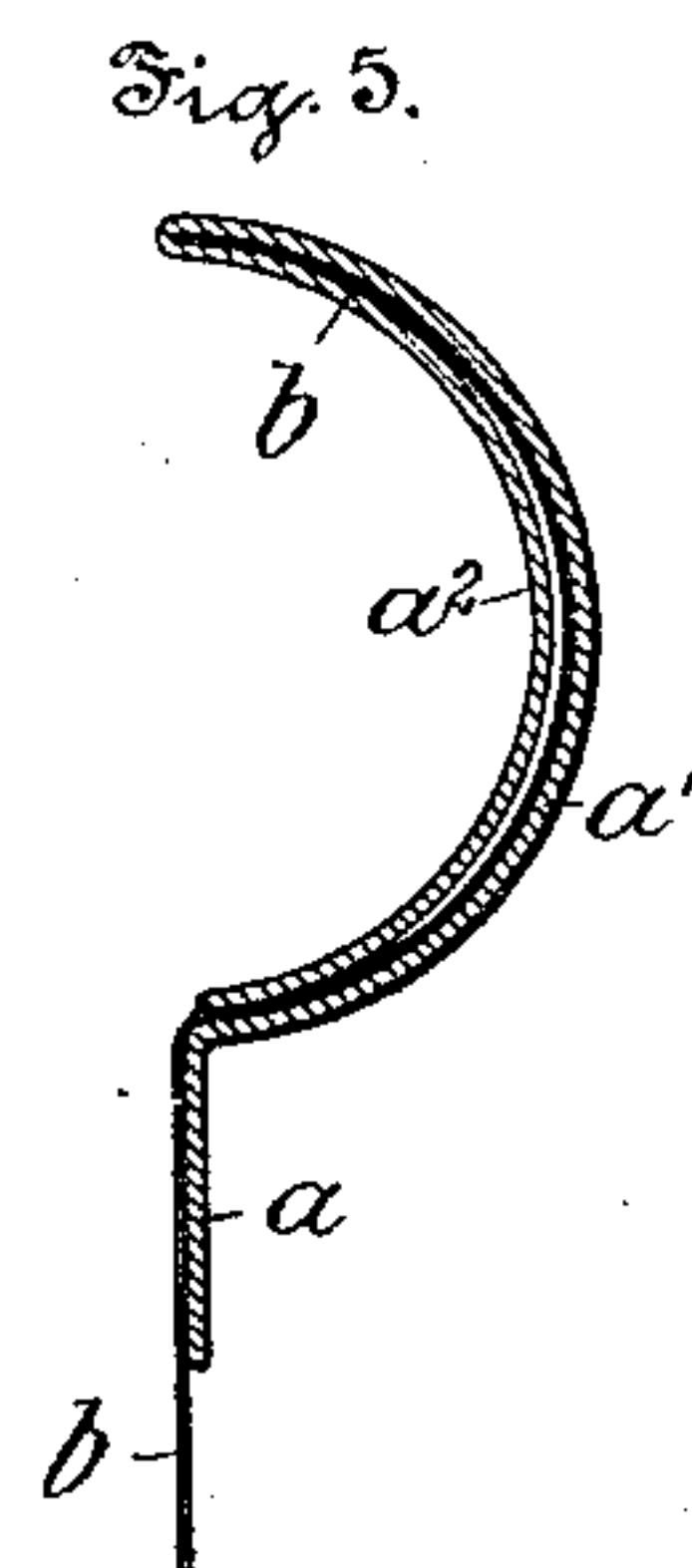
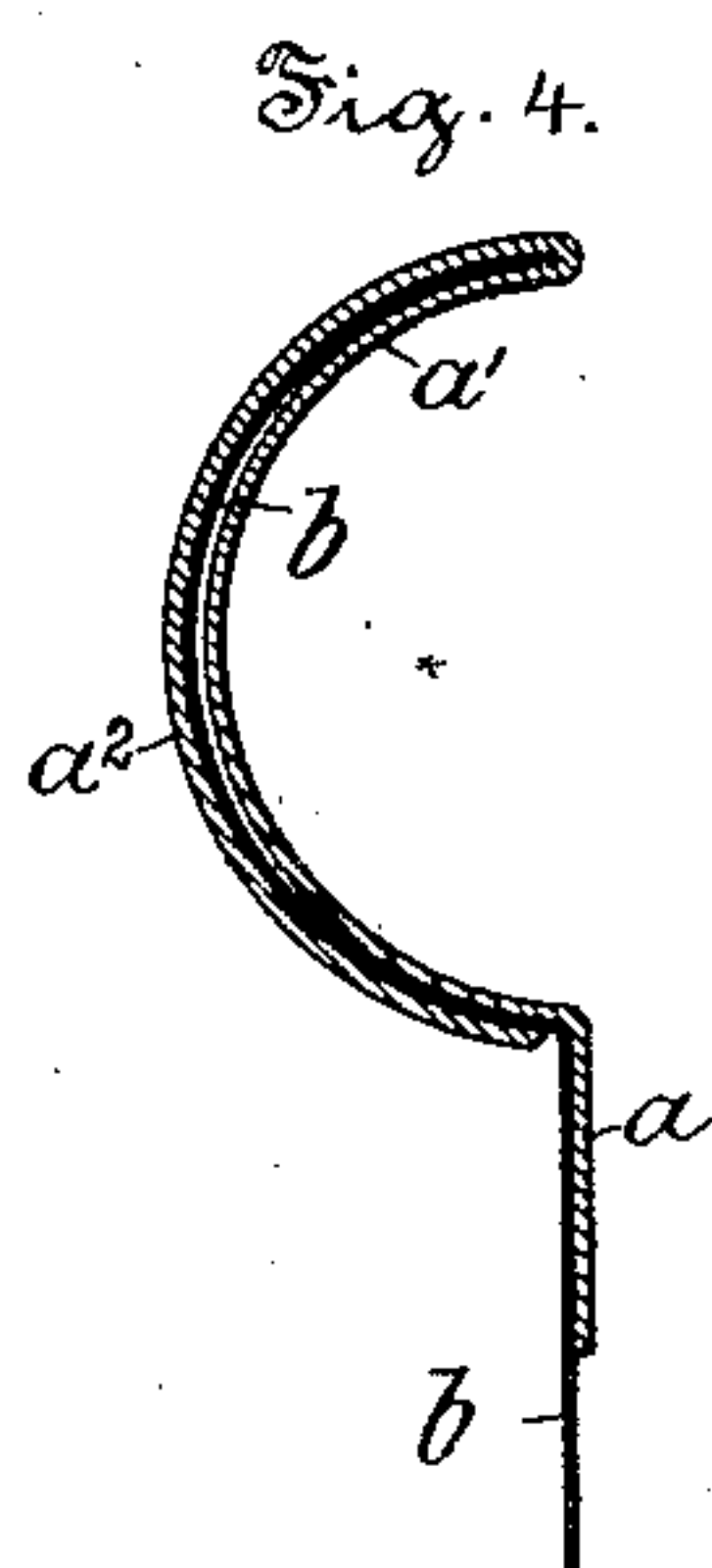
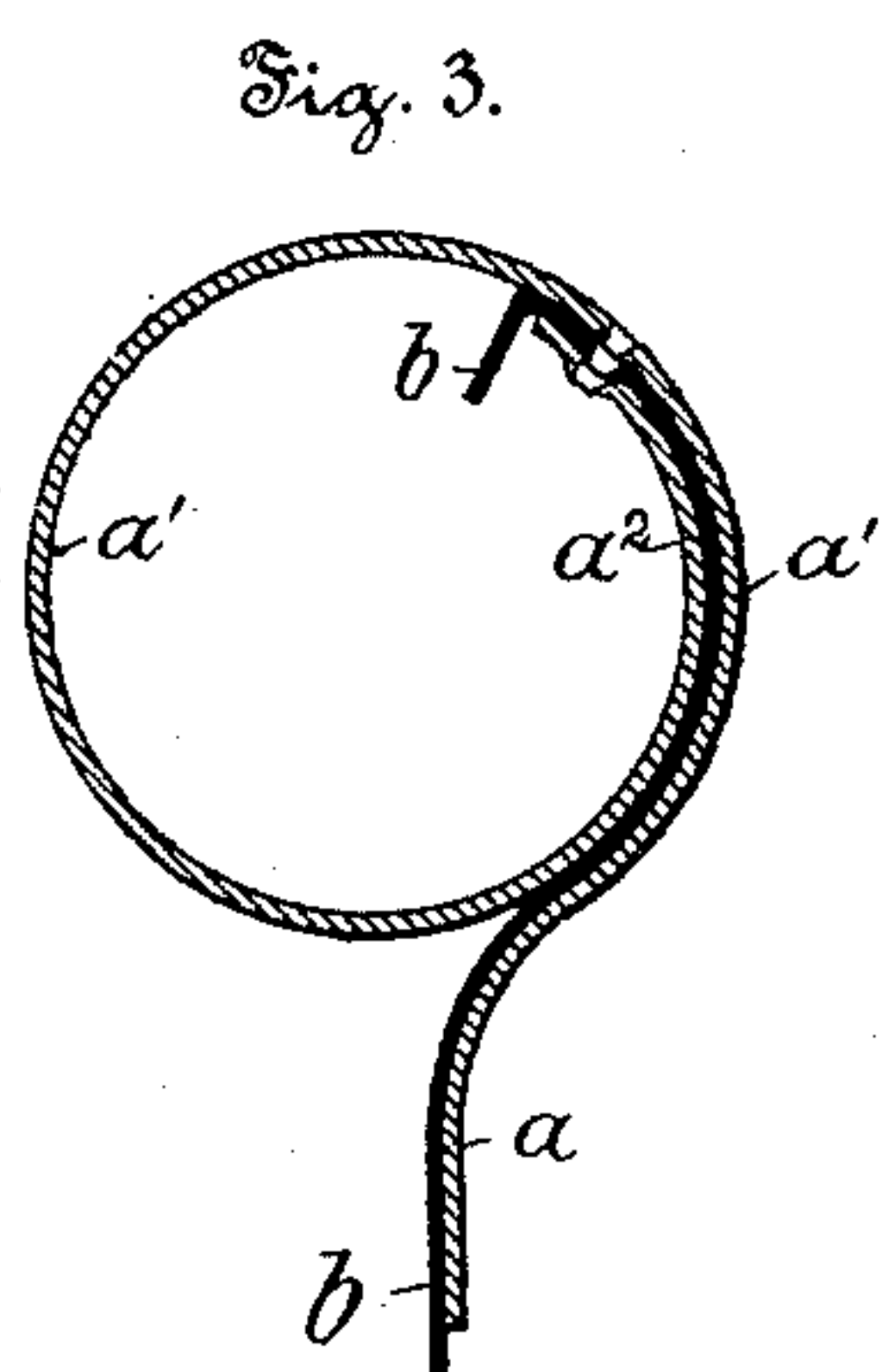
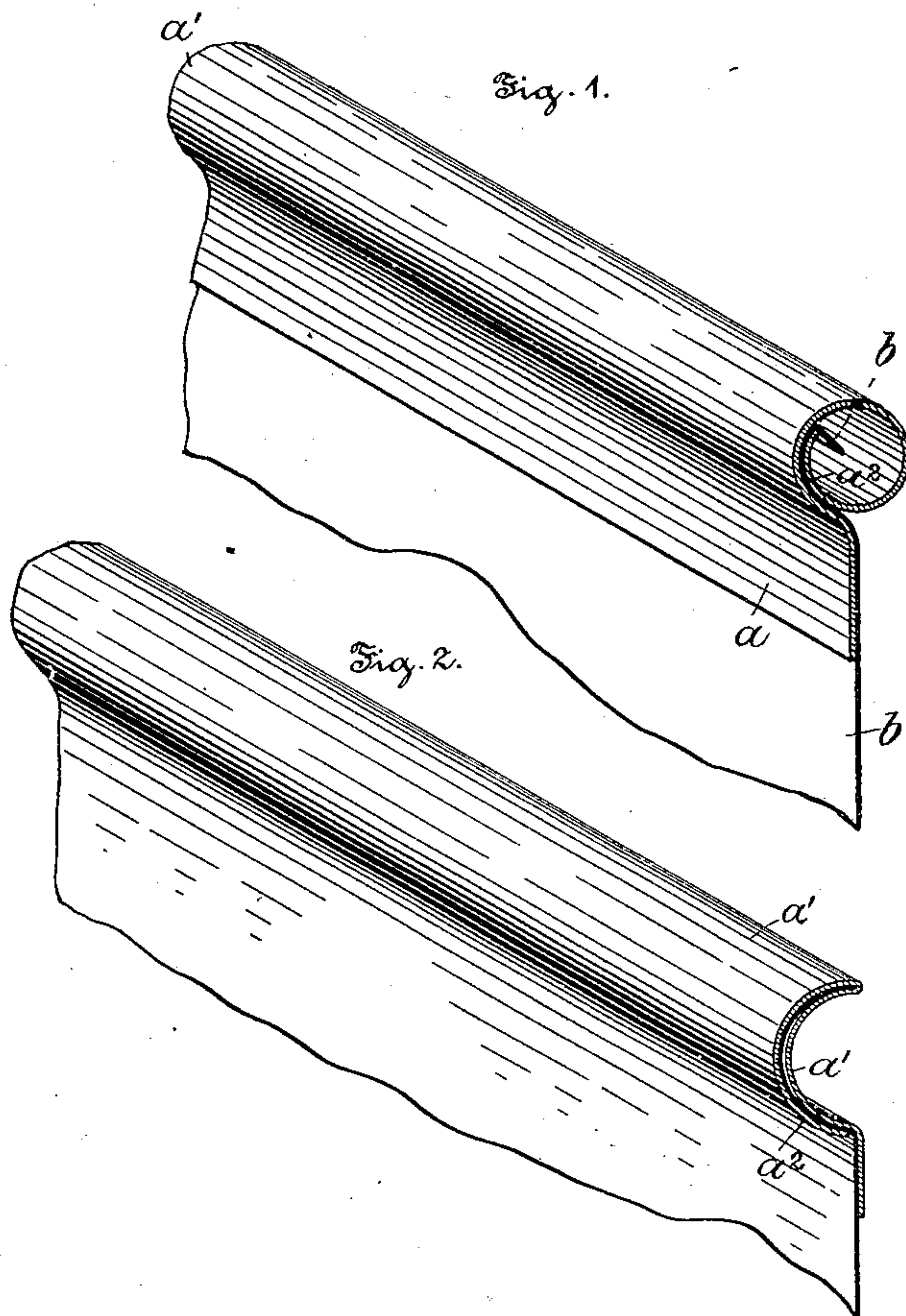


(No Model.)

M. R. FUNKE.
FRAME FOR PLACARDS, &c.

No. 428,599.

Patented May 27, 1890.



Witnesses:
Hermann Bormann.
Thomas M. Smith.

Inventor:
Max Rudolph Funke,
By J. Walter Douglass.
att'y.

UNITED STATES PATENT OFFICE.

MAX RUDOLPH FUNKE, OF DRESDEN, SAXONY, GERMANY.

FRAME FOR PLACARDS, &c.

SPECIFICATION forming part of Letters Patent No. 428,599, dated May 27, 1890.

Application filed December 31, 1889. Serial No. 335,518. (No model.) Patented in Germany March 8, 1889, No. 48,704, and in England November 26, 1889, No. 18,991.

To all whom it may concern:

Be it known that I, MAX RUDOLPH FUNKE, a subject of the Emperor of Germany, residing at Dresden, Germany, have invented
5 a certain new and Improved Frame for Placards, Maps, and other Similar Articles, (for which I have applied for Letters Patent in Germany, No. 48,704, filed March 8, 1889, and
10 in Great Britain, No. 18,991, filed November 26, 1889,) of which the following is a specification.

My invention relates to edge-pieces or ribs for placards, trade-almanacs, maps, and other similar articles.

15 The principal object of my invention is to provide a metal rib or piece of circular or semicircular section for a placard, map, or other article, and in which in its use in that connection its power of resistance against
20 pressure is materially increased.

The nature of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, and in which—

25 Figure 1 is a perspective view of an edge-piece of circular section embodying one of the features of my invention. Fig. 2 is a similar view of an edge-piece of semicircular or half-round section. Fig. 3 is a cross-section of a round or circular edge-piece or rib,
30 and Figs. 4 and 5 are similar sectional views of half-round placard ribs or edge-pieces embodying the features of my invention.

Referring now to the drawings, and especially to Figs. 1 and 3, which show a sheet-iron or other metal edge-piece or rib curved so that the tube a' presses against the straight portion a thereof, while the portion a^2 is bent so as to lie inside of the said tube, a placard
40 or map b is applied to the edge-piece by the insertion of the same between the portions a' and a^2 . In order to retain it in this position and also to prevent it from being shifted sideways, a number of holes are punched through
45 the walls of the tube, as shown in Fig. 3, whereby the parts a' and a^2 and placard b are firmly held together.

Referring now to Figs. 2, 4, and 5, which show a semicircular rib or edge-piece and
50 disposed so that the half-round portion a'

meets the straight portion a , while the portion a^2 , similarly bent, either lies within the portion a' , as shown in Fig. 5, or outside thereof, as illustrated in Fig. 4. In this case it is advisable to insert the edge of the placard b between the parts a' and a^2 before they
55 are bent, so that the subsequent bending operation may also serve to press and secure the placard-edge tightly between them, whereupon a further attachment is unnecessary in
60 order to retain the placard or map in position.

I desire it to be distinctly understood that I do not lay claim, broadly, to metal edge-pieces or ribs for placards, &c., but only claim
65 the specific devices as heretofore described, and shown in the annexed drawings, and the object accomplished is to make the rib or edge-piece of circular or semicircular section, whereby a considerable power of resistance against pressure is afforded and a general stability imparted to such edge-pieces or
70 ribs.

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

1. The herein-described metal frame for placards, maps, &c., consisting of the curved metal parts a' and a^2 and the straight projecting part a , the part a^2 lying adjacent to
80 the part a' and formed into a tube, and the strip or placard b , interposed and held rigidly in position between said parts a' and a^2 , as shown, and for the purposes described.

2. The herein-described metal frame for
85 placards, maps, &c., consisting of the parts a' and a^2 , integral with the depending part a , and the said parts a' and a^2 lying adjacent to one another and bent so as to assume a semicircular form, and the strip or placard b ,
90 inserted between said parts and rigidly held in position against sidewise strain, as shown, and for the purposes described.

In witness whereof I hereunto set my hand in presence of two witnesses.

MAX RUDOLPH FUNKE.

Witnesses:

RUD. SCHMIDT,

PAUL DRUCKMÜLLER.