

(No Model.)

E. S. PIPER.
RAILWAY SIGNAL FLAG.

No. 492,229.

Patented Feb. 21, 1893.

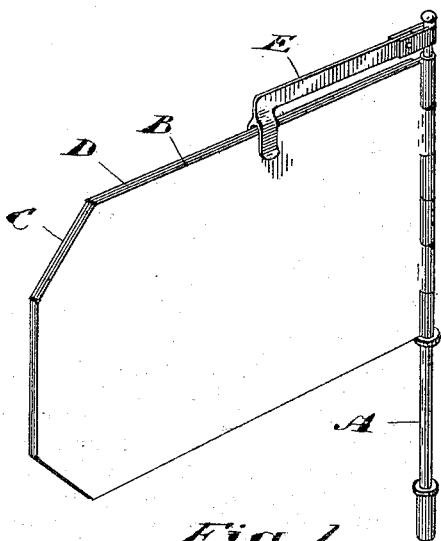


Fig. 1

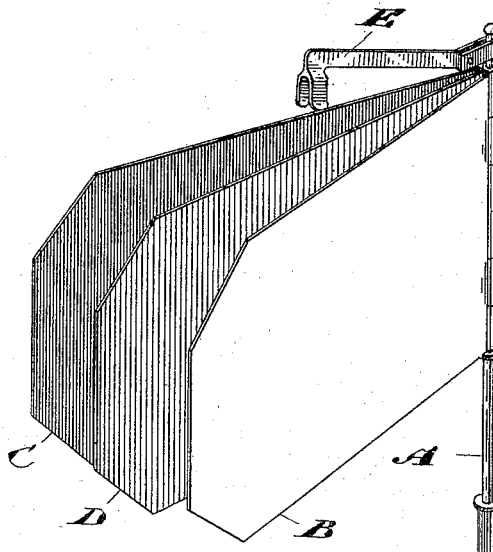


Fig. 2

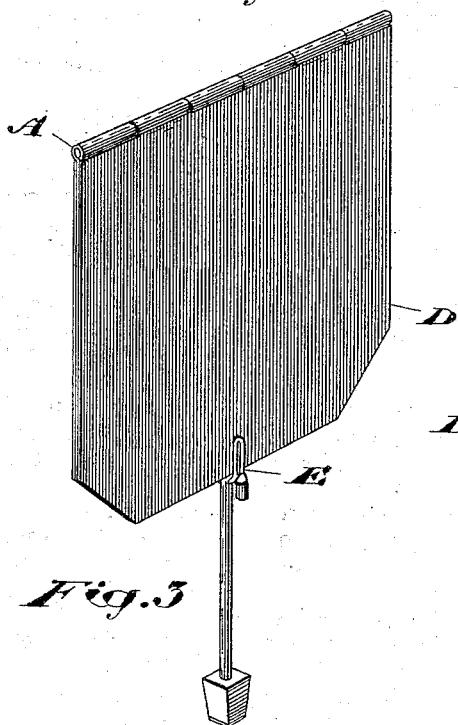


Fig. 3

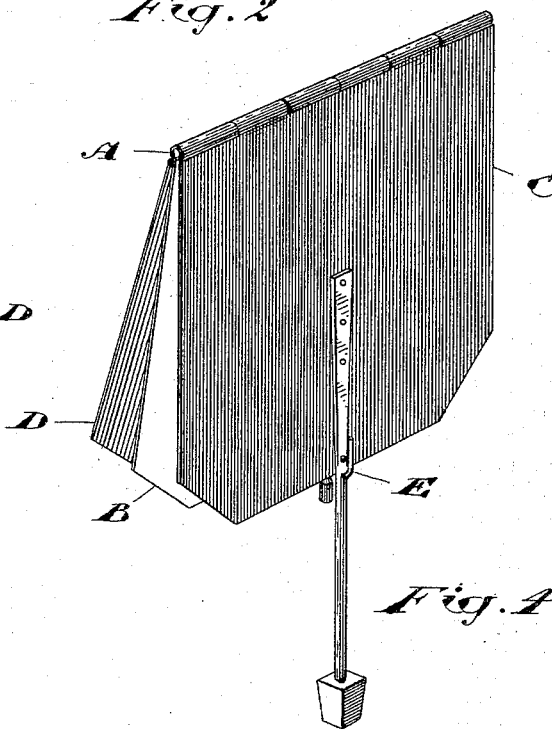


Fig. 4

Witnesses

J. Edw. Maybee
H. C. Woodward

Inventor

Edward S. Piper
by Donald C. Ridout & Co.
Attys

UNITED STATES PATENT OFFICE.

EDWARD S. PIPER, OF TORONTO, CANADA.

RAILWAY SIGNAL-FLAG.

SPECIFICATION forming part of Letters Patent No. 492,229, dated February 21, 1893.

Application filed April 6, 1892. Serial No. 428,103. (No model.) Patented in Canada May 11, 1892, No. 38,919.

To all whom it may concern:

Be it known that I, EDWARD SPENCER PIPER, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have invented a certain new and Improved Railway Signal-Flag, of which the following is a specification, and for which I have obtained Letters Patent of the Dominion of Canada, dated May 11, 1892, and numbered 38,919.

10 The object of the invention is to provide a practically indestructible railway signal flag which may be permanently connected to a locomotive or the end of a car and always ready for use either as a danger flag, caution flag or
15 set so as not to indicate any signal at all, and it consists, essentially of metal leaves of suitable size and design hinged to a spindle and arranged to be adjusted with one another so that the colored surface, to give the desired
20 signal, may be exposed while the color for the other signal is hidden; substantially as hereinafter more particularly explained and then definitely claimed.

25 Figure 1, is a perspective view of my improved flag with its leaves closed. Fig. 2, is a perspective view of Fig. 1 with the leaves opened. Figs. 3 and 4 are similar views of my improved flag made in the form of a banner.

30 Every railroad man knows that the flag carried by a locomotive or on the end of a train to signify the following of another train, soon gets destroyed and is often lost through the necessity of removing it from its position when not required for use. By the adoption
35 of my improved flag, which, being made of metal and capable of being folded so as not to expose the signal at all, enables it to be left always in position, and when it becomes at all worn may be readily refurbished by a coat
40 of paint.

Figs. 1, and 2, illustrate my improved flag made the shape I think most suitable for use on a locomotive, and Figs. 3 and 4, the shape I think most appropriate for the end of a train.

45 The spindle A, of the first style of flag is

provided with an end to fit into the kind of socket usually adopted.

It will be observed that my improved flag is composed of three leaves, having their surfaces painted so that when folded together, 50 as indicated in Figs. 1 and 3, the surfaces exposed on both sides of the flag shall be the same; for instance in Fig. 2, the leaves B, and C, are being folded against the leaf D, so as to show the outer or white surface of the said
55 leaves which are held together by the hinged clamp E, which may be made as shown in Figs. 1, and 2, or in Figs. 3 or 4, or in fact the said clamp may be made in various ways, so I do not confine myself to any particular style
60 of clamp. The surfaces of the leaves B, C, and D, are painted so that they can be folded to expose two red surfaces, two white surfaces or two black surfaces, which latter of course is intended to signify that the signal
65 is not in use.

I do not confine myself to any particular color, the whole object of the invention being to construct the flag so that any desired signal may be exposed or hidden as desired. 70

In the second style of flag shown, a rod is attached to one of the leaves of the flag and has its end adapted to fit any desired form of socket in use.

What I claim as my invention is— 75

1. A signal flag, provided with multiplex leaves secured to the same staff and opening and closing like the leaves of a book, substantially as described.

2. An improved signal flag, consisting of a series of two or more leaves, all hinged to the same spindle and on the same plane, whereby one will hide the color of the other, and a fastening, E, to hold the leaves in the position desired, substantially as described. 80

Toronto, March 17, 1892.

EDWD. S. PIPER.

In presence of—

A. M. NEFF,

J. EDW. MAYBEE.