

O. A. PRUNNER.
 LANTERN REFLECTOR.
 APPLICATION FILED MAY 1, 1906.

931,482.

Patented Aug. 17, 1909.
 2 SHEETS—SHEET 1.

Fig. 1.

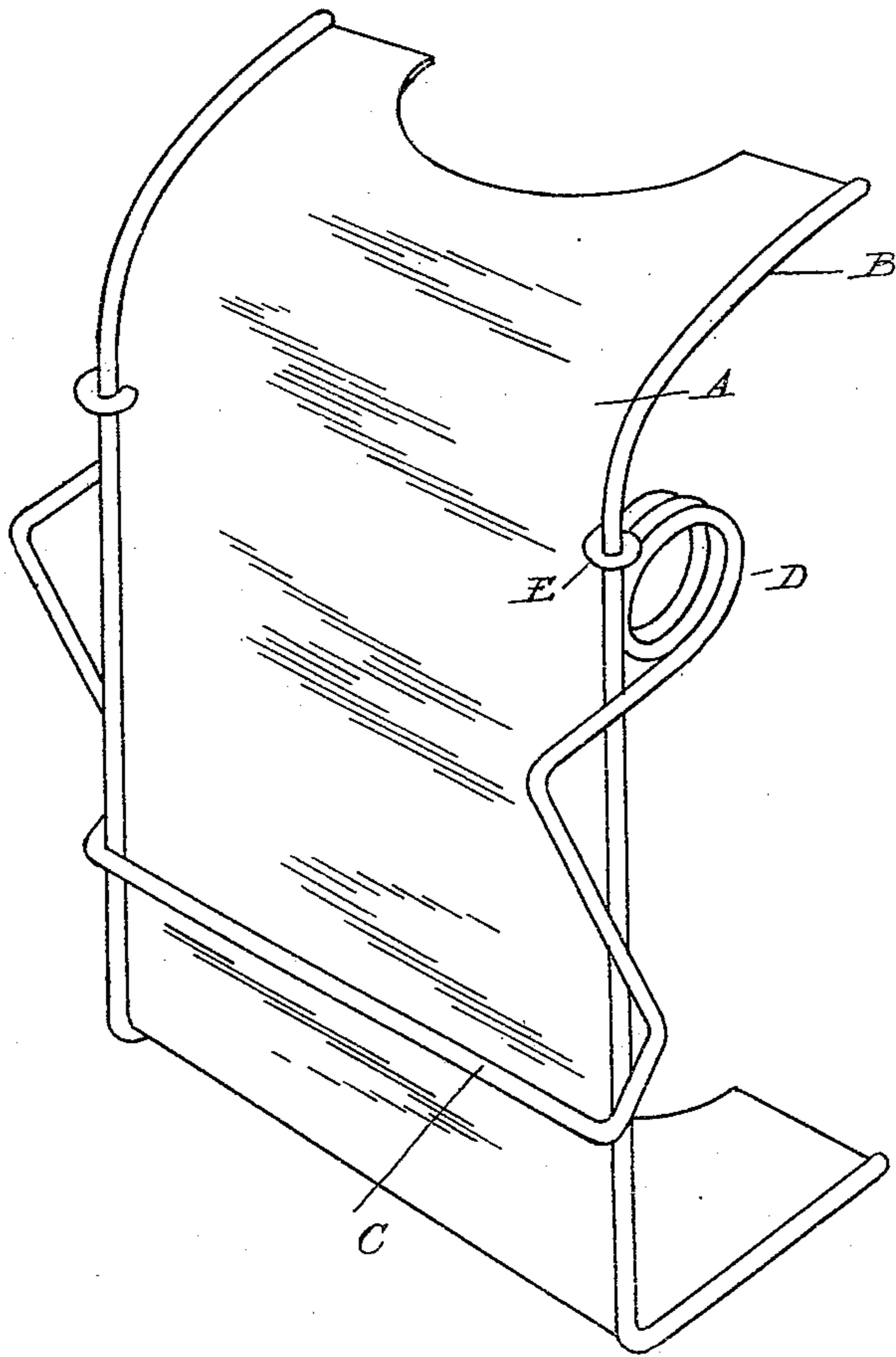


Fig. 2.

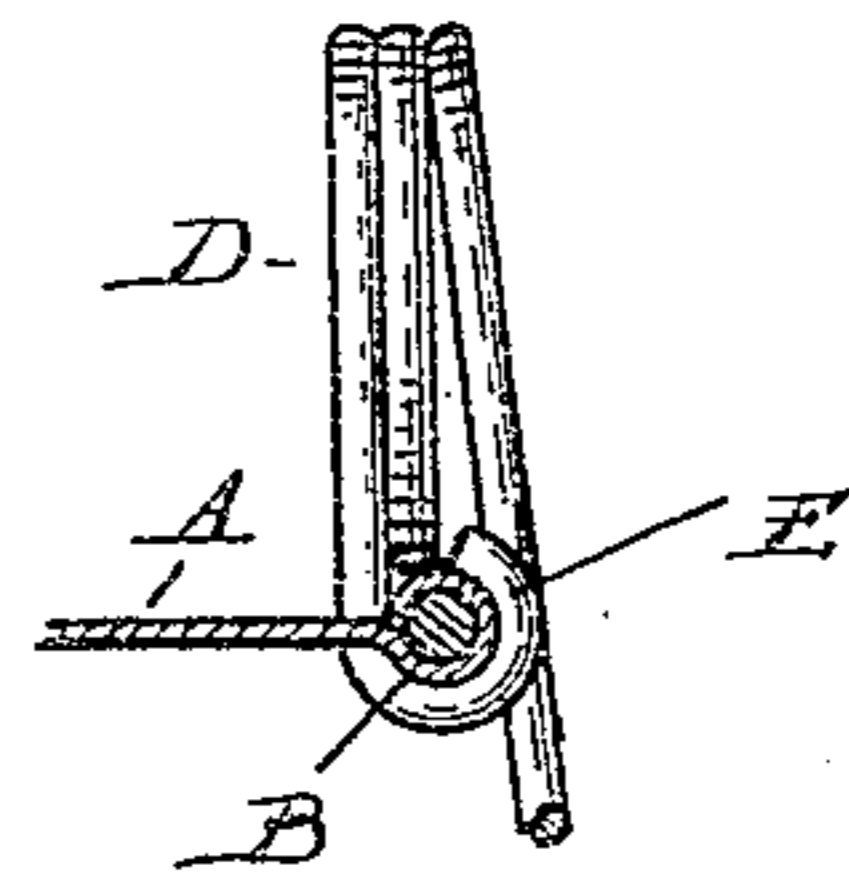
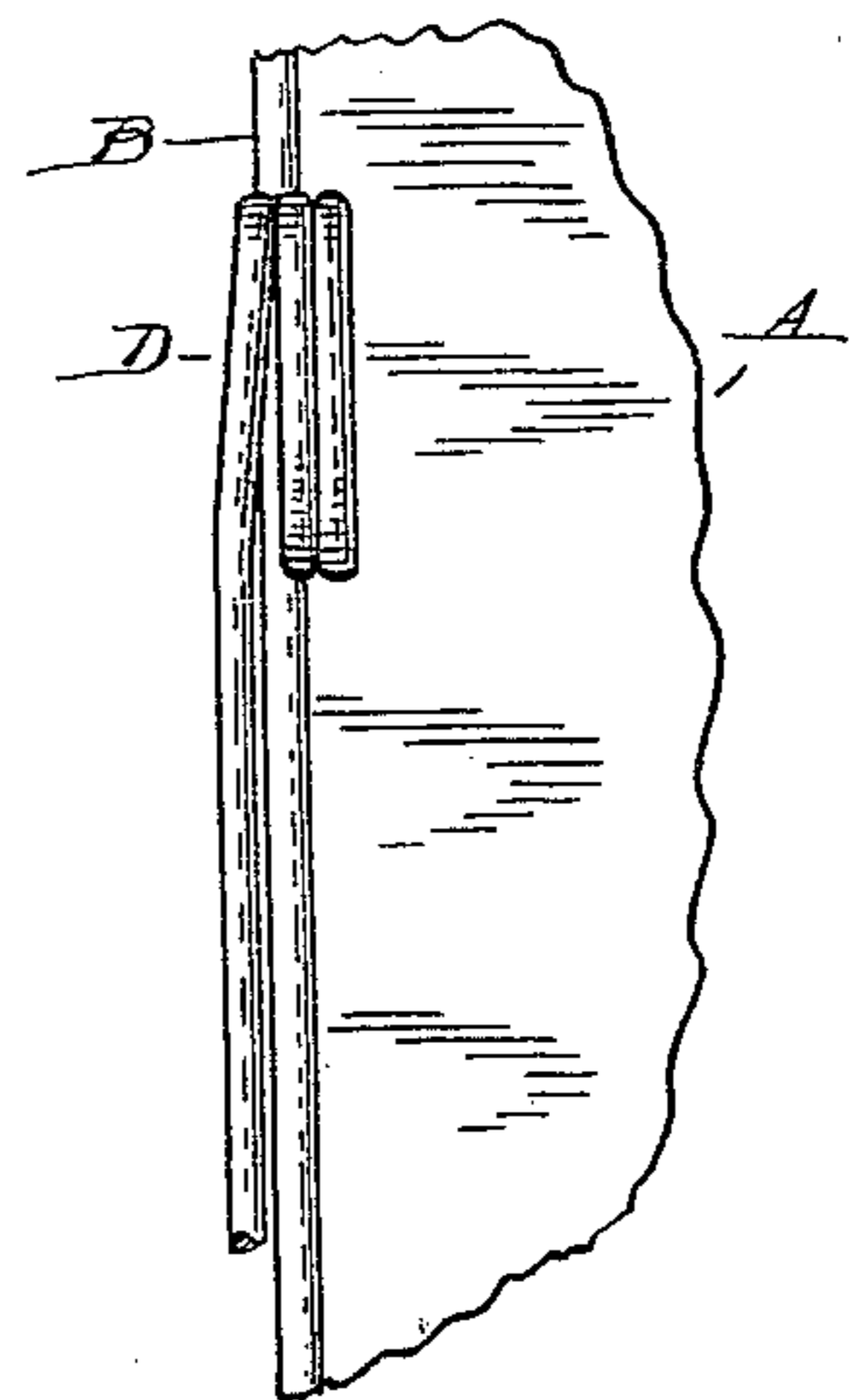


Fig. 3.



Witnesses
 Geo. H. Grove
 Edward C. Cull

By

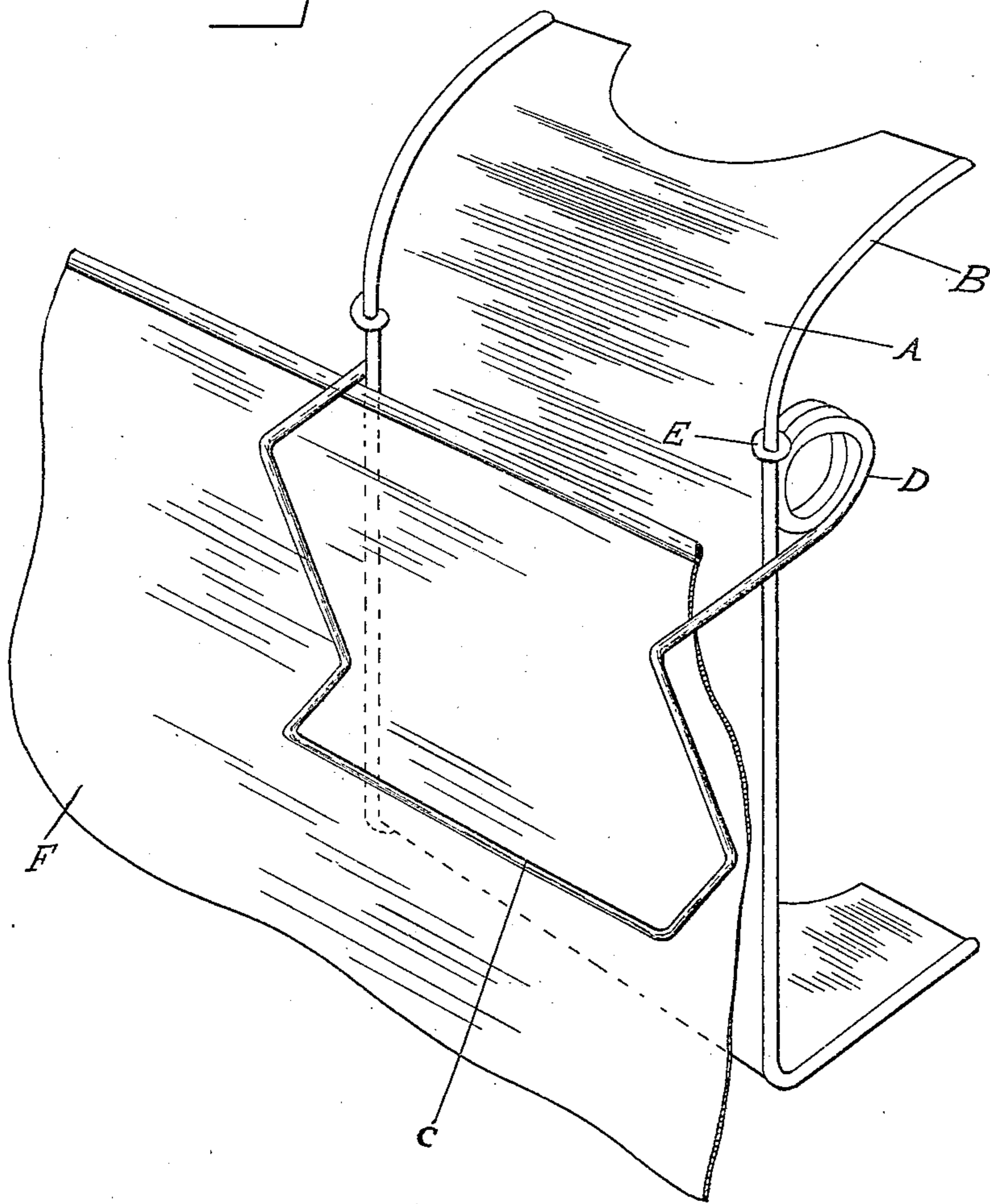
Inventor
 Oscar A. Prunner.
 Whittmore, Hulbert & Whittmore
 attys.

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2 SHEETS—SHEET 2.

Fig. 4.



Witnesses

R. J. Ford
James C. Barry.

Inventor

Oscar A. Prunner

By *Whitney Hulbert Whitney*
Attys

UNITED STATES PATENT OFFICE.

OSCAR ALLEN PRUNNER, OF DETROIT, MICHIGAN, ASSIGNOR TO BUHL STAMPING COMPANY,
OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

LANTERN-REFLECTOR.

No. 931,482.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed May 1, 1906. Serial No. 314,728.

To all whom it may concern:

Be it known that I, OSCAR A. PRUNNER, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Lantern-Reflectors, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The invention relates to lantern reflectors, and more particularly to the construction of the clip for securing the reflector to the dash of a vehicle, and in the manner of securing the same to the reflector as more fully hereinafter set forth.

15 In the drawings, Figure 1 is a perspective view of the reflector; Fig. 2 is a horizontal section of the portion thereof showing the attachment of the clip, Fig. 3 is an elevation of the portion shown in Fig. 2, and Fig. 4 is a perspective view of the reflector and clip, as secured to the dash board.

20 Lantern reflectors of the type above referred to are usually formed of sheet metal, such as tin, and are provided with spring clips for attachment to the vehicle dash or other support. Heretofore these clips have been attached directly to the sheet metal by soldering or other securing means, and experience has demonstrated that this point of attachment is the weak part of the structure. Thus, in the frequent use of the clip, the stress upon the sheet metal at the point of attachment will cause it to break. To overcome this defect, I have devised a construction of clip, which is indirectly attached to the sheet metal by being anchored to the binding wire at the edge of the reflector. As shown, A is the sheet metal reflector, the opposite edges of which are bound by the wire B.

25 C is the clip for attaching the reflector to a vehicle dash F or other suitable support, and is provided with a U-shaped portion terminating in its opposite end in the spring coils D. These coils are anchored to the wire B first by being arranged so that when the clip is under tension the coils will bear against the wire B

and transmit the stress thereto instead of directly to the sheet metal, and second, by forming the end of the coil D into an eye E which is bent about the wire B. When thus constructed the stress produced by the tensioning of the clip is transmitted first to the wire B and from the latter is distributed to the sheet metal.

What I claim as my invention is:

1. The combination with a support, of a reflector having a wire bound edge, a clip for securing said reflector to said support attached at its ends directly to the binding wire and also having a bearing intermediate its ends upon said binding wire.

2. The combination with a support, of a reflector having a wire bound edge, a clip attached thereto for securing said reflector to said support formed with a spring coil arranged opposite the wire bound edge, and directly bearing thereupon.

3. The combination with a support, of a reflector having a wire bound edge, a clip for securing said reflector to said support formed with a spring coil arranged opposite the wire bound edge and bearing thereagainst, the end of said coil being bent to embrace the binding wire.

4. The combination with a support, of a reflector having a wire bound edge, a clip attached thereto for securing said reflector to said support formed with a spring coil arranged opposite the wire bound edge on the inside of said reflector and directly bearing against the wire bound edge.

5. The combination with a support, of a reflector having a wire bound edge, a clip for securing said reflector to said support formed with a spring coil arranged opposite the wire bound edge on the inside of said reflector and bearing directly against the wire bound edge, the end of said coil being bent to embrace the binding wire.

6. The combination with a reflector having a wire bound edge, of a supporting clip secured thereto by a portion embracing the wire of the edge which transmits tension stresses directly thereinto, said clip having

another portion bearing upon the wire of said edge for transmitting thereinto compression stresses.

5 7. The combination with a reflector having opposite wire bound edges, of a supporting clip having its ends embracing the wires of the opposite edges to transmit tension stresses directly thereinto and also provided

with bearings upon said edge wires for transmitting thereinto compression stresses. 10

In testimony whereof I affix my signature in presence of two witnesses.

OSCAR ALLEN PRUNNER.

Witnesses:

JNO. F. BREEN,

GEO. W. LYNCH.