

No. 721,536.

PATENTED FEB. 24, 1903.

J. W. BRAY.

MEANS FOR PACKING DOUBLE JET ACETYLENE GAS BURNERS.

APPLICATION FILED OCT. 6, 1902.

NO MODEL.

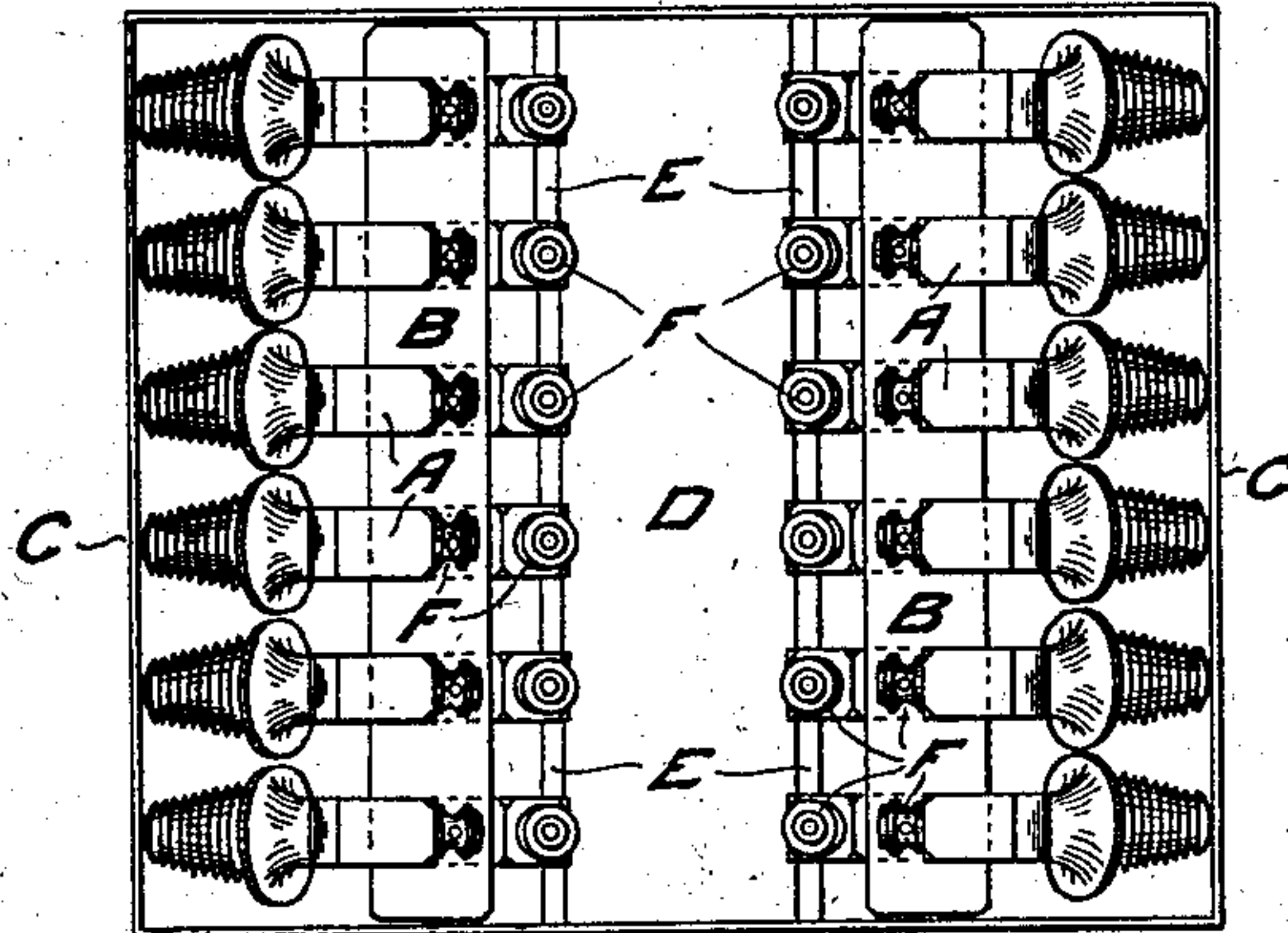


Fig. 1.

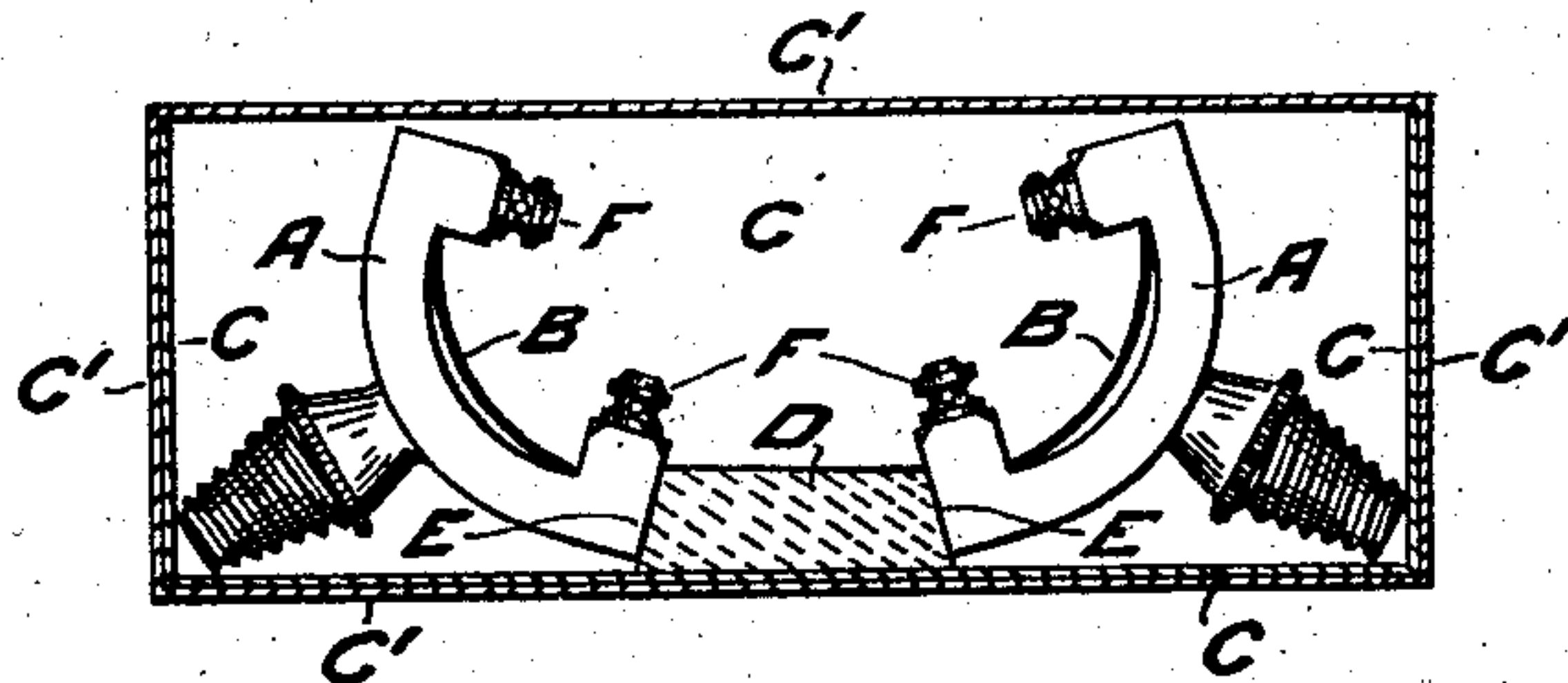


Fig. 2.

WITNESSES

H. M. Thelmer
J. M. Bowling

INVENTOR

John William Bray

By

Richardson

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN W. BRAY, OF LEEDS, ENGLAND.

MEANS FOR PACKING DOUBLE-JET ACETYLENE-GAS BURNERS.

SPECIFICATION forming part of Letters Patent No. 721,536, dated February 24, 1903.

Application filed October 6, 1902. Serial No. 126,148. (No model.)

To all whom it may concern:

Be it known that I, JOHN WILLIAM BRAY, a subject of the King of Great Britain and Ireland, whose postal address is Bagby Works, Leicester Place, Leeds, in the county of York, England, have invented certain new and useful Improvements in the Means for Packing Double-Jet Acetylene-Gas Burners, of which the following is a specification.

10 This invention relates to improvements in the means for packing double-jet acetylene-gas burners, and has for its object the packing of the acetylene-burners in such a manner that the liability of breakage shall be reduced.

15 Burners for acetylene gas are formed for the most part with tips of delicate construction and are liable to breakage in transit when packed as hitherto.

20 In describing my invention in detail reference is made to the accompanying sheet of drawings, similar letters indicating similar parts where they appear, in which—

Figure 1 is a plan of a box, with the outer case removed, containing one dozen double-jet acetylene-burners packed according to my improvement. Fig. 2 is a section through the same, showing the outer case C'.

30 I accomplish my object by placing within the arms A of the burner a light metal strip B, which holds the burner or burners in position, such metal strip being cut in length the exact width of the box C, in which the burner or burners are placed. The said metal strip takes the curvature or configuration of the inner curve of the arms A of the burner. The boxes are made as regards depth equivalent to the depth of the burners when in position in the box. Fastened across the center of the box and at the bottom thereof is a wooden strip D of the same width as the interior of the box. The said strip D may be slightly beveled at the sides E. The light metal strip B is passed through the burners required to be packed and is in contact with

the inner curvature of the arms A of the burner. The burners are then placed in position in the box, as shown in Fig. 2. When so packed, it is impossible for the tips F of the burners to come in contact with each other, as the burners are in a fixed relationship the one to the other. I have proved the utility of this method of packing by throwing a box of burners packed in my improved manner from a height of forty-five feet onto the paving below. The burners were not damaged, although the box in which they were packed was broken.

It will be readily understood that one or more burners may be packed according to my invention and that it is not necessary to pack them in double rows, as shown in Figs. 1 and 2, but that they may be packed in single rows. In that case a section through the box would be represented by half the section, as shown in Fig. 2.

What I claim as my invention is—

1. In combination with a box for holding double-jet acetylene-gas burners, a flexible metal strip B fitting in between the arms of the burners and extending from one side of the box to the other.

2. In combination with a box for holding double-jet acetylene-gas burners, a strip fixed to the bottom of the box against which the burners rest and a strip fitting between the arms of the burners, substantially as described.

3. In combination, a box, a strip fixed to the bottom thereof leaving a space on each side thereof for receiving the burners and a strip fitting between the arms of the burners, substantially as described.

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

JOHN W. BRAY.

Witnesses:

CLIVE WAUGH,
CHAS. GILLIARD.