

(No Model.)

P. SCHWICKART.
TRIMMER FOR VAULT LIGHTS.

No. 520,273.

Patented May 22, 1894.

Fig: 2.

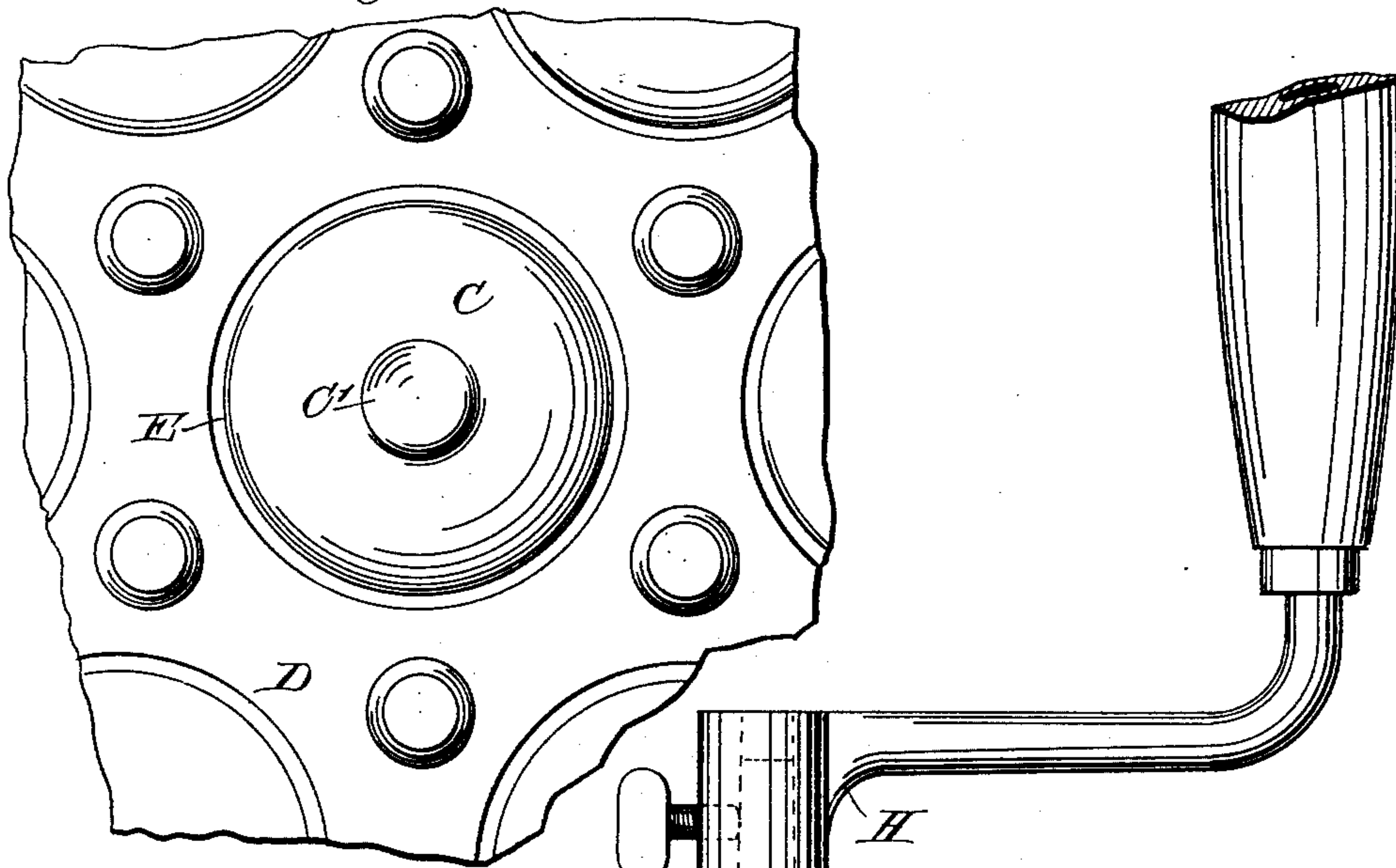
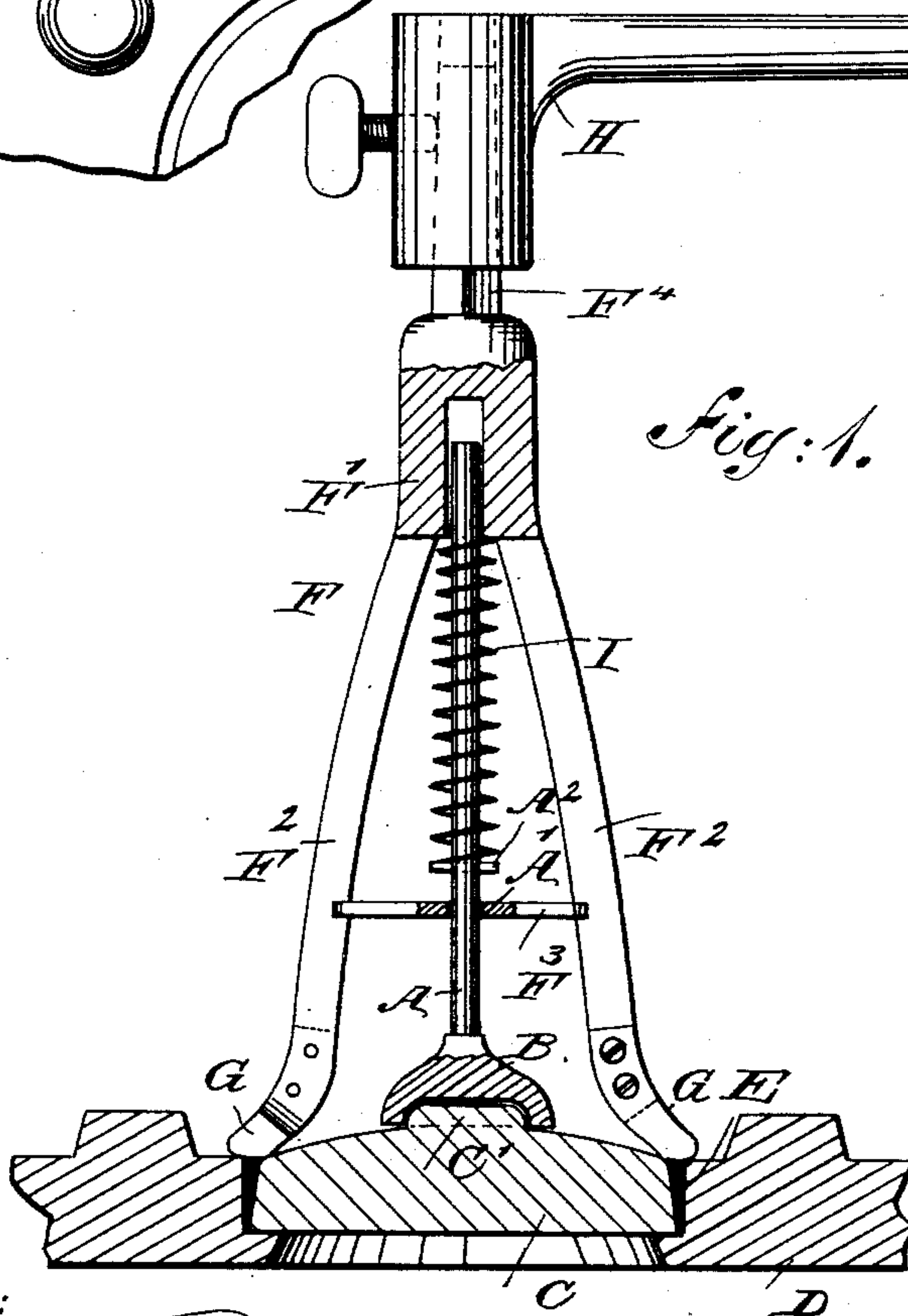


Fig: 1.



WITNESSES:

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PHILIP SCHWICKART, OF BROOKLYN, NEW YORK.

TRIMMER FOR VAULT-LIGHTS.

SPECIFICATION forming part of Letters Patent No. 520,273, dated May 22, 1894.

Application filed December 16, 1893. Serial No. 493,805. (No model.)

To all whom it may concern:

Be it known that I, PHILIP SCHWICKART, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Trimmer for Vault-Lights, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved trimmer for vault lights, to conveniently and quickly cut or trim the surplus material of the putty, cement or other substance employed for fastening the glass bull's-eyes in place in the metallic frame.

The invention consists principally of a central post adapted to be supported on the bull's-eye, and a cutter frame mounted to turn on the said post, and provided with cutters adapted to circularly trim the surplus material of the fastening substance, at the joint of the bull's-eye and the frame.

The invention also consists of certain parts and details, and combinations of the same, as will be hereinafter described, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a sectional side elevation of the improvement as applied; and Fig. 2 is a plan view of the finished vault light.

The improved trimmer is provided with a post A, having at its lower end a foot B, formed on its under side with a recess or cavity adapted to engage a similarly-shaped projection C', formed centrally on the top of the bull's-eye C, fastened in the metallic frame D, by means of putty, cement or other similar substance.

The upper end of the post A engages a socket F' forming a part of a frame F, provided with downwardly-extending arms F², projecting from the said socket F', and carrying at their lower ends cutters or scrapers G, adapted to engage the surplus material of the putty or other substance E, so that when the frame F is turned on the post A and pressed downwardly, the said cutters will trim or cut the surplus material, so as to form a neat joint between the bull's-eye C and the metallic frame D. The two arms F² are con-

nected with each other by a cross bar A', provided with a central aperture so as to form a bearing for the lower part of the post A.

From the upper end of the socket F' projects a square or polygonal offset F⁴, adapted to be engaged by a wrench H, or other suitable tool for conveniently turning the said frame to cause the cutters G to remove the surplus material at the joint of the bull's-eye with the frame. On the under side of the socket F' presses the upper end of a spring I, coiled on the post A and resting, with its lower end on a pin A², secured in the said post, as plainly shown in Fig. 1.

The device is used as follows: After the bull's-eye C is pressed in position on its seat in the frame D, with the putty or other substance filling the joint in the iron frame, then part of the surplus material extends above the top surface of the bull's-eye and frame, and in order to conveniently and quickly remove this surplus material, I employ the trimmer as shown in Fig. 1. The post A, with its foot B, is first seated on the projection C', the spring I then holding the frame F in an uppermost position so that the cutters G are above the surplus material. The operator now applies the tool H so as to turn the frame F, at the same time pressing it downward to cause the cutters G to engage and trim the surplus material, until the cutters finally pass onto the top surface of the bull's-eye C and frame D at the circular joint between the two.

It will be seen that this device can be readily set over each individual bull's-eye and its joint trimmed circularly in the manner above described.

I do not limit myself to the particular form of foot B on the post A, as a suction cup may be employed on the lower end of the post A to engage a smooth top of the bull's-eye C.

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

1. A trimmer for vault lights, comprising a central post adapted to be supported on the bull's-eye, and a cutter frame mounted to turn on the said post and provided with cutters adapted to circularly trim the surplus material in the joint of the said bull's-eye

and its metallic supporting frame, substantially as shown and described.

2. A trimmer for vault lights, comprising a central post provided with a foot adapted to engage the bull's-eye, a cutter frame mounted
5 yieldingly on the said post and adapted to be turned thereon, and cutters held on the said frame and adapted to circularly trim the surplus material at the joint of the bull's-eye
10 and its supporting frame, substantially as shown and described.

3. The combination with a bull's-eye having a central projection, of a post provided with a recessed foot adapted to engage the
15 said projection, a frame fitted to slide and mounted to turn on the said post, and cutters secured on the said frame and adapted to trim the surplus material at the joint of

the bull's-eye and its supporting frame, substantially as shown and described. 20

4. The combination with a bull's-eye having a central projection, of a post provided with a recessed foot adapted to engage the said projection, a frame fitted to slide and
mounted to turn on the said post, cutters se- 25 cured on the said frame and adapted to trim the surplus material at the joint of the bull's-eye and its supporting frame, and a spring coiled on the said post and pressing on the said frame, substantially as shown and de- 30 scribed.

PHILIP SCHWICKART.

Witnesses:

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C. SEDGWICK.