

(No Model.)

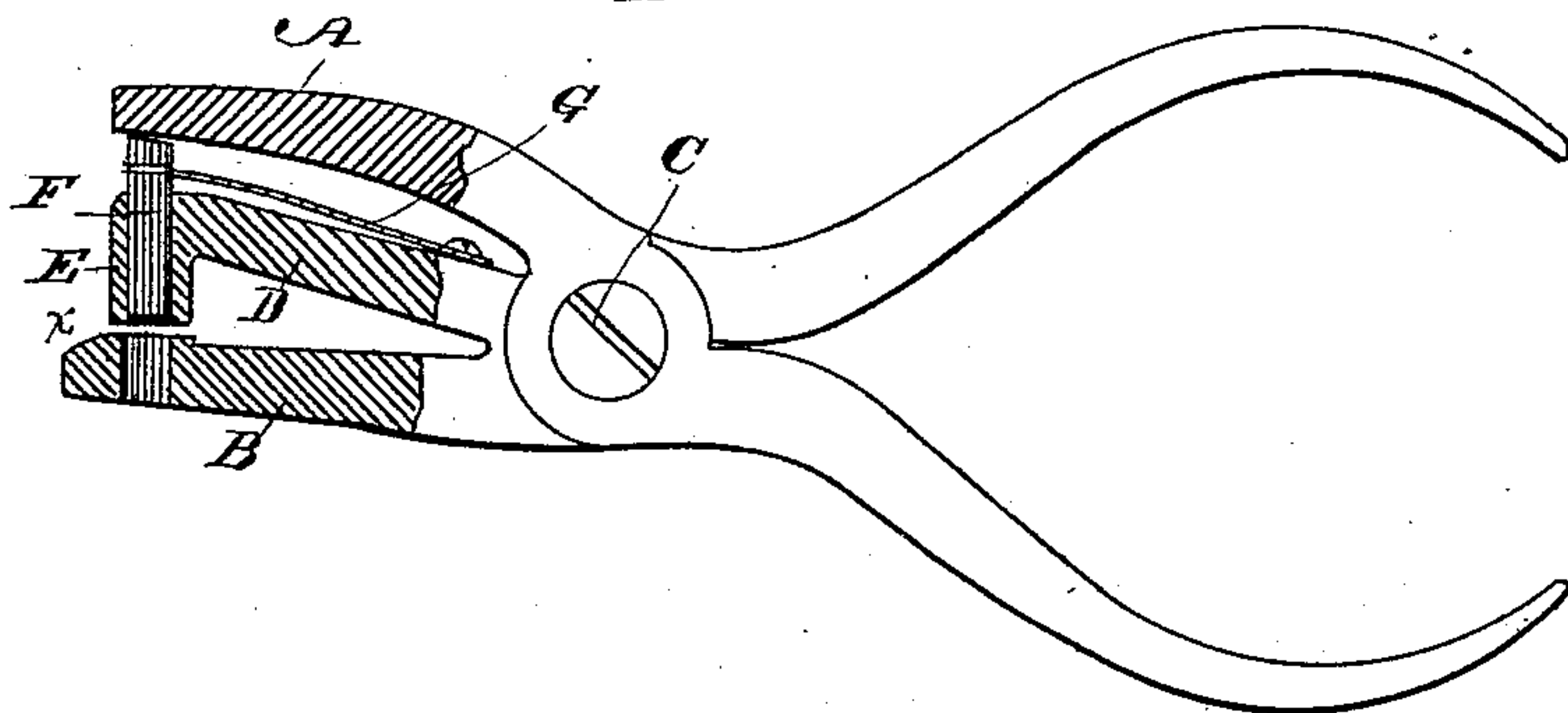
C. J. A. SJOBERG.

PUNCH.

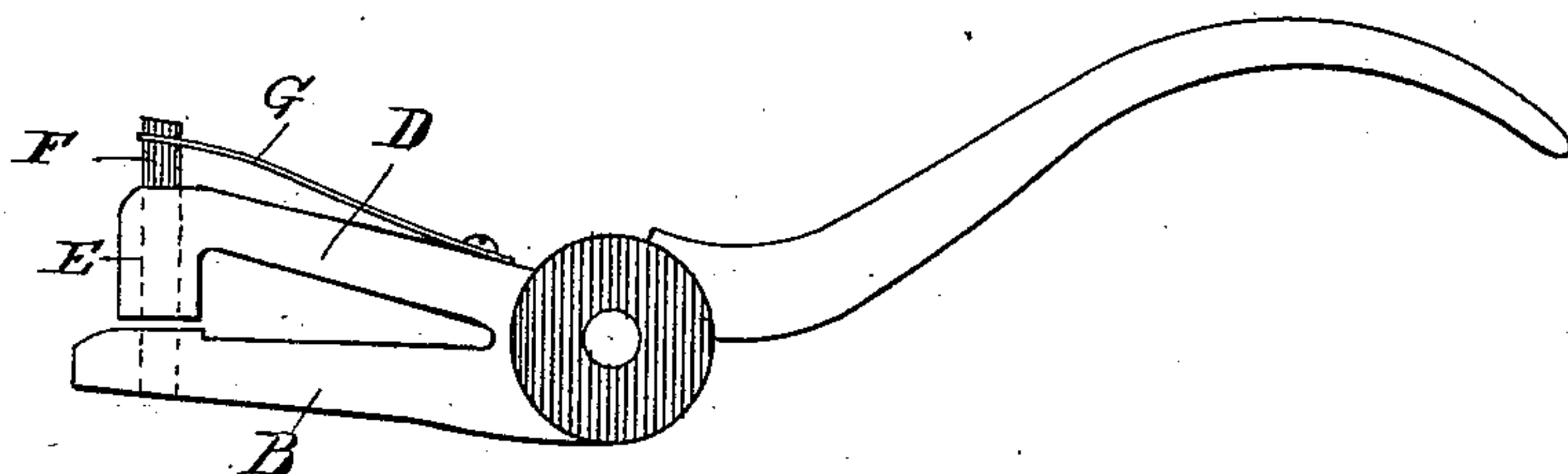
No. 300,652.

Patented June 17, 1884.

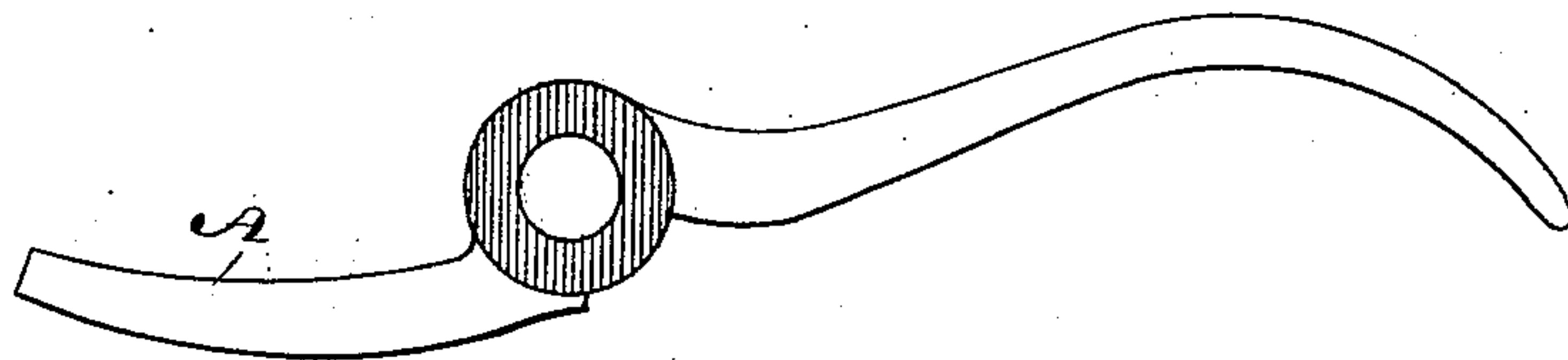
*Fig 1*



*Fig 2*



*Fig 3*



Witnesses  
*S. Williamson*  
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# UNITED STATES PATENT OFFICE.

CARL J. A. SJOBERG, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE  
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## PUNCH.

SPECIFICATION forming part of Letters Patent No. 300,652, dated June 17, 1884.

Application filed May 21, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, CARL J. A. SJOBERG, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Punches; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention is a ticket-punch constructed, as fully set forth hereinafter, so as to facilitate the punching of the paper at the proper points, clear the paper from the punch, and reduce the cost of manufacturing the instrument.

In the drawings, Figure 1 is a side view, in part section, of my improved ticket-punch. Fig. 2 is a side view of one of the levers. Fig. 3 is a side view of the other lever.

The two levers of the punch are jointed by a pin, C, each terminating at the rear in a handle, and one being provided at the front end with two arms, B, D, and the other with an arm, A, which projects over the arm B. The arm B terminates in a head, E, which extends downward nearly into contact with the face of the arm B, so that there is only a narrow space or slit, *x*, between the two wide enough to receive the paper or card to be punched. In the head E slides the punch-pin F, which projects above the top of the head, and is maintained at its upper end in contact with the arm A by a spring, G, secured to the arm D, and having a forked end entering an annular groove in the punch-pin. The spring tends not only to elevate the punch-pin, but to open the jaws, so as to maintain the lower end of the pin above the slot *x*, and free from a recess or opening in the end of the arm B, directly below the punch-pin.

The paper or other object to be punched is introduced into the slot *x*, and as its upper face is in close contact with the lower end of the head E, the latter will serve as a gage or guide, by means of which the operator is enabled to punch the paper at the exact point

required by bringing the said gage in proper position in respect to any marks upon the paper. As the handles are brought together, the punch-pin is forced across the slit *x* and into the recess in the arm B, thereby punching out a disk of paper, which is carried into the said recess and falls therefrom, while as the punch-pin rises under the action of the spring the end of the head E acts as a stripper to prevent the paper from being lifted with the pin.

By forming the arms B D in one piece with the handle of one of the levers, and by boring directly through the head E and through the end of the arm B, the absolute coincidence of the punch-pin and the opening into which its end is forced to cut the paper is insured, so as to avoid the dulling of the punch-pin, which results from the slightest maladjustment of either of the arms B or D, when the two are riveted or otherwise connected together after having been made in separate pieces.

I claim—

1. A ticket-punch consisting of two levers pivoted together, one provided with arms B D, formed in one piece with the handle, and with a head, E, extending downward from the arm D, nearly in contact with the arm B, the other provided with an arm, A, extending over the arm B, a punch-pin in the head E, above an opening in the arm B, operated successively by the arm A and by a lifting-spring, G, substantially as set forth.

2. The combination, with the recessed lower arm of a punch-lever, of an overhanging arm terminating in a head extending downward to leave only a slit between it and the lower arm, a lever having an overhanging arm, intermediate spring, and a punch-pin operated successively by the overhanging arm and the spring, substantially as set forth.

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

CARL J. A. SJOBERG.

Witnesses:

OLIVER C. SMITH,  
CHAS. H. STAHL.