

No. 806,677.

PATENTED DEC. 5, 1905.

H. F. KEIL.  
BRACKET AND SUPPORT.  
APPLICATION FILED FEB. 18, 1904.

Fig. 3.

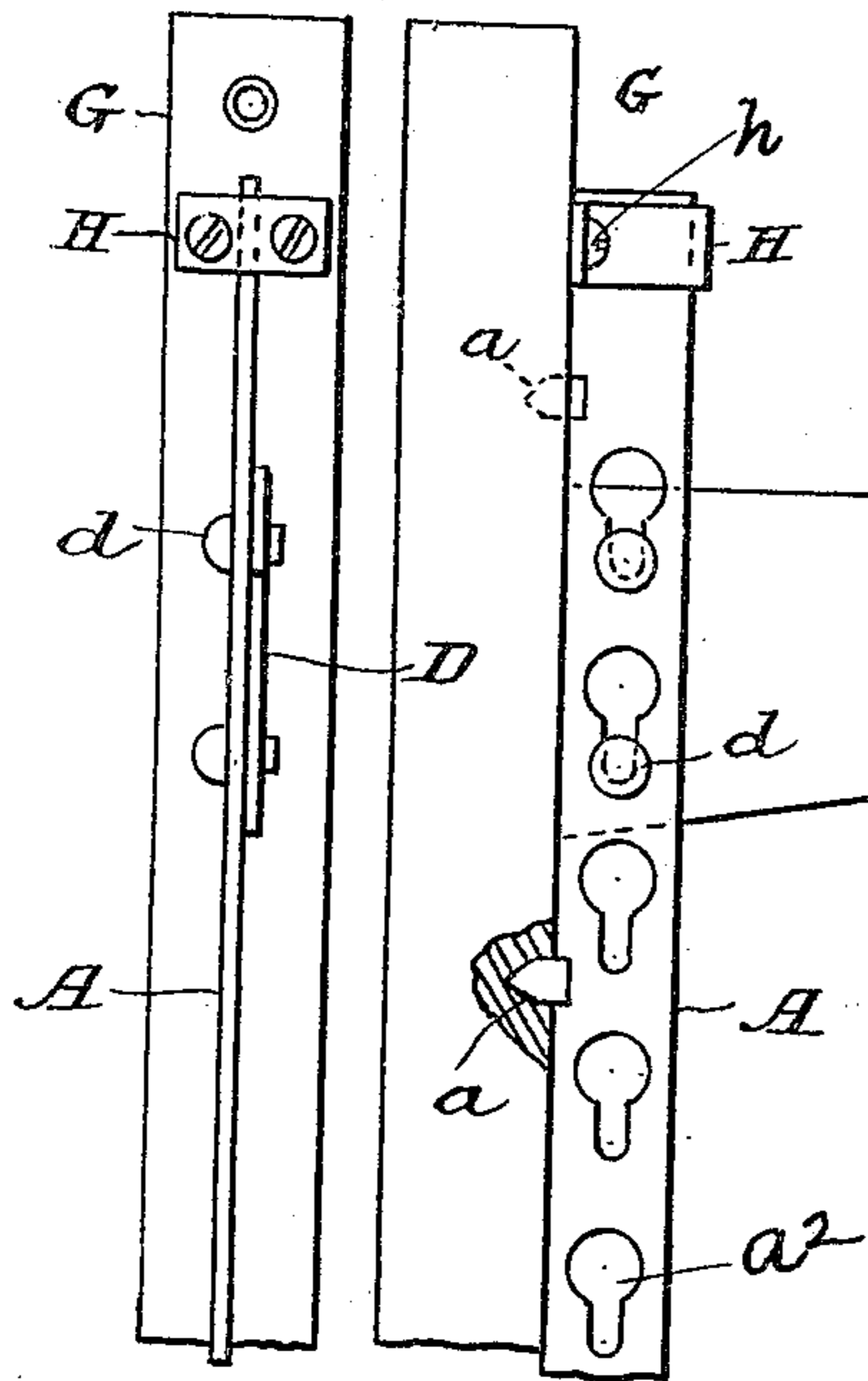


Fig. 1.

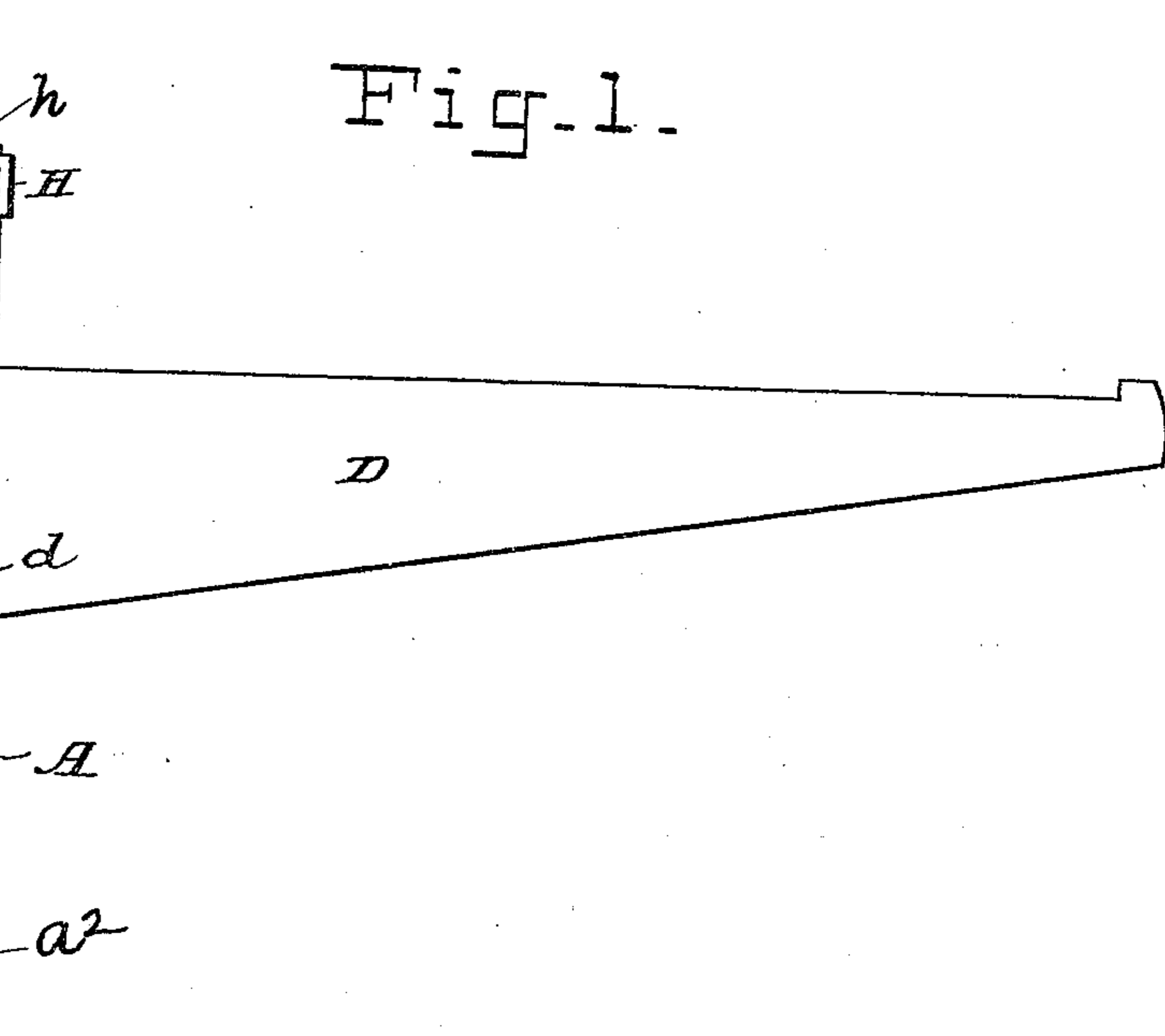


Fig. 2.

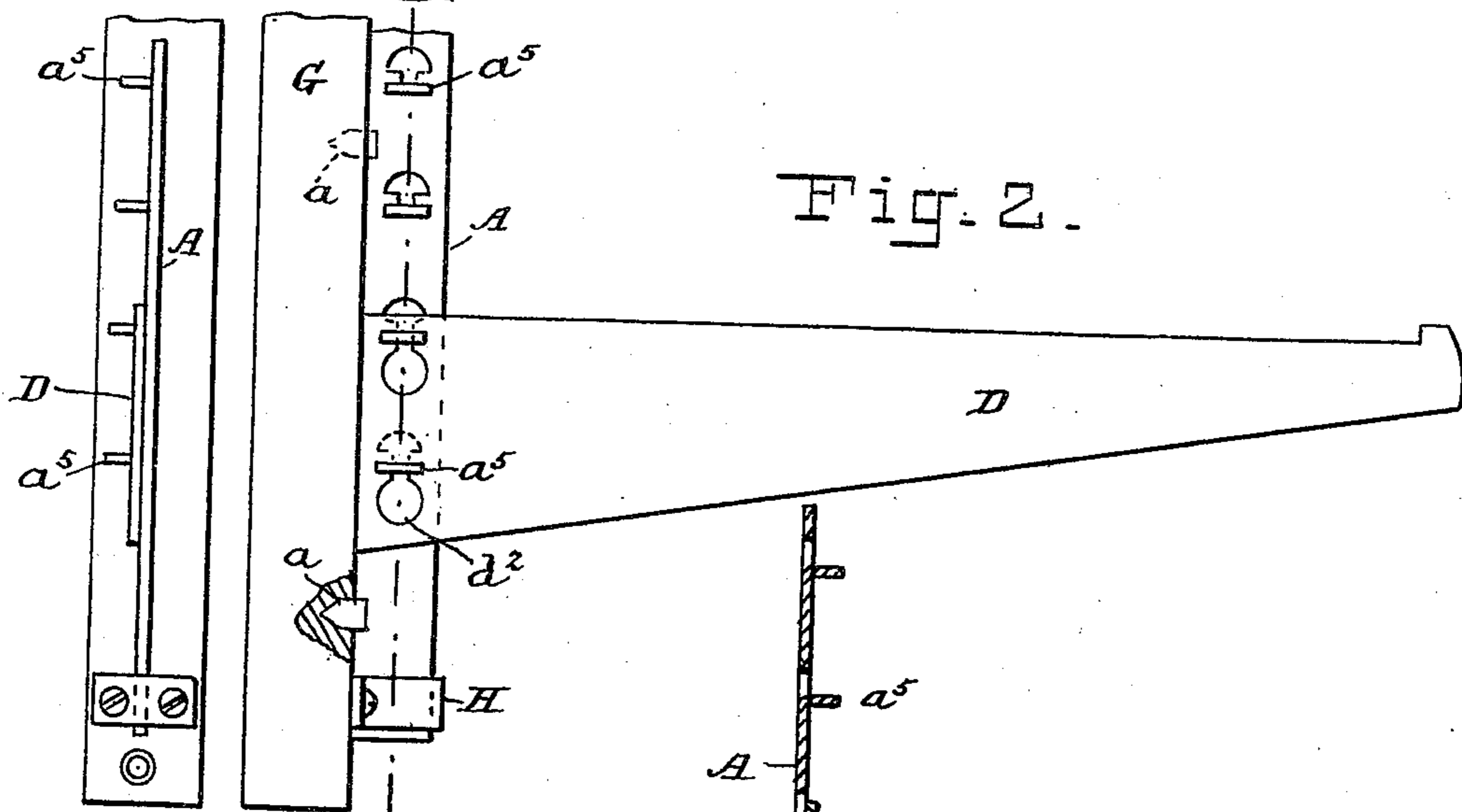
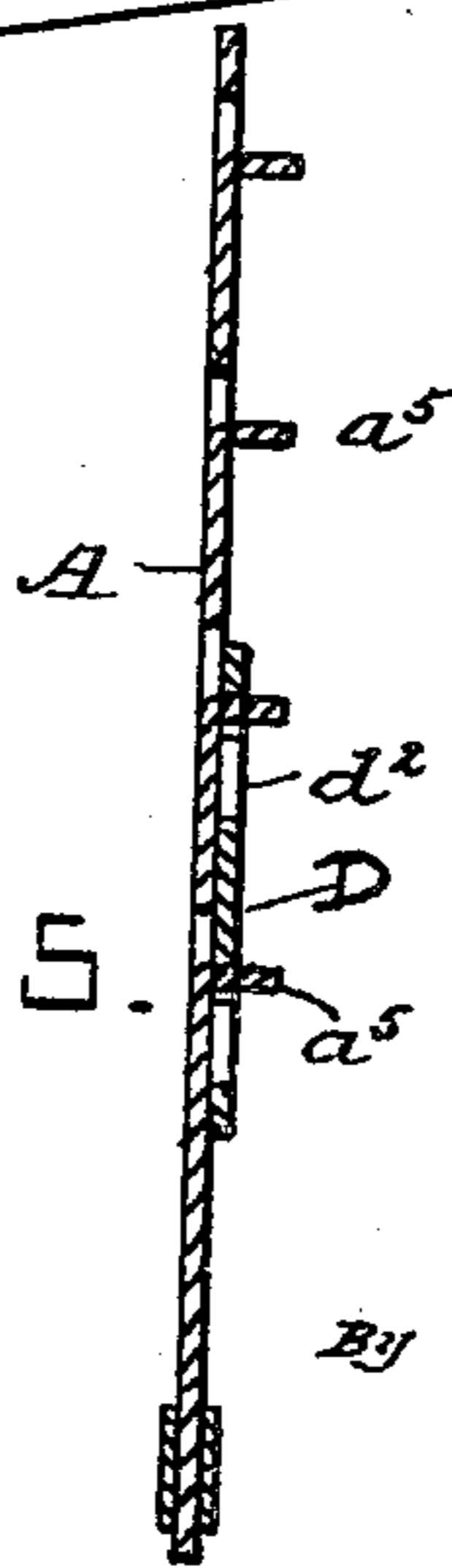


Fig. 4. 5

Witnesses:  
L. B. Bolton  
P. J. Howard

Fig. 5.



Inventor:  
H. F. Keil.  
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# UNITED STATES PATENT OFFICE.

HENRY FRANCIS KEIL, OF BRONXVILLE, NEW YORK.

## BRACKET AND SUPPORT.

No. 806,677.

Specification of Letters Patent.

Patented Dec. 5, 1905.

Application filed February 18, 1904. Serial No. 194,230.

*To all whom it may concern:*

Be it known that I, HENRY FRANCIS KEIL, a citizen of the United States of America, and a resident of Bronxville, in the county of Westchester and State of New York, have invented a certain new and useful Bracket and Support, of which the following is a specification.

This invention relates to devices used for displaying articles, and particularly to bracket-arms and supports therefor used in show-cases, store-windows, &c.; and it has for its object the provision of a device of the kind set forth simple in construction, inexpensive to manufacture, and efficient in practical use.

To attain the desired end, this invention consists in certain novel devices and combinations of devices hereinafter described.

In order to enable my invention to be fully understood, I will proceed to explain the same by reference to the drawings which accompany and form a part of this specification, in which—

Figures 1 and 2 represent side elevations of bracket-arms and supports therefor constructed according to my invention. Figs. 3 and 4 are front views of the same, and Fig. 5 is a transverse section of the bracket shown in Fig. 2 looking in the direction indicated by arrow 5.

Like letters of reference indicate like parts in all the views.

Referring particularly to the drawings, A denotes one of my side bearing-bracket supports, plates, strips, stanchions, or back bars preferably constructed by being struck up out of sheet metal and which on account of its thinness and flat rear surface is designated by me as a "knife-edge" back bar or support. The bracket-arm D is also preferably struck up out of sheet metal and is ordinarily formed or provided with supporting devices projecting from one of the side faces of the said bracket-arm.

The bracket-support A may be held to or against any supporting-surface, as a standard or wall G, by means of straps or staples H and screws *h* to engage therewith. The said bracket-arm D in Fig. 1 has rivet-heads *d* projecting therefrom, which engage orifices or slots *a*<sup>2</sup>, formed in the side face of the bracket-support A, and in Figs. 2 and 5 the bracket-arm D is provided with orifices or slots *d*<sup>2</sup>, which engage the prongs *a*<sup>5</sup>, embossed from the body of the support A. In both cases, however, the bracket-support A

is preferably provided with teeth or prongs *a* ordinarily integral with the bracket-support and preferably stamped out from along the edge of the same, which prongs may be readily forced into the face of the supporting wall or standard G.

The essence of this invention consists of the bracket-support A, made of sheet metal and formed of a bar or plate having wall-entering means, as pointed lugs or prongs *a*, arranged along its rear edge, in combination with a flat bracket-arm D, having a rear edge to register and conform with the rear edge of the support and constructed and arranged to engage with the said bracket-support and with a standard or wall G and also with means whereby the bracket-support, bracket-arm, supporting wall or standard, and one or more straps or staples H may be engaged and the bracket-support and bracket-arm be held rigidly against the said standard, the said retaining means consisting of a screw-controlled strap or staple to inclose the bracket-support and to be attached to the wall or standard by means of the screws *h*. By the above construction the bracket-support and bracket-arm may be raised or lowered at will while still held against the wall or fixed standard or upright, and after adjustment the engaging means, as the prongs *a*, may be entered or driven into the supporting wall or standard or caused to be engaged therewith in an immovable relation by simply screwing down the said strap or staple at any desired point along the bracket-support, the bracket-support and bracket-arm being by the said operation rigidly retained in the adjusted position.

The relative position of the slots and co-acting supporting-heads in the bracket-supports and bracket-arms may be manifestly changed at will without departing from the relative side bearing engagement between the bracket-support and the bracket-arm, which I prefer to use in devices of this character.

Among other advantages of bracket-supports and bracket-arms made according to my invention are economy of construction and manufacture, ease of adjustment thereof, together with the efficiency and durability of the same in practical use.

As it is evident that many changes in the construction, form, proportion, and relative arrangement of parts might be resorted to without departing from the spirit and scope of my invention, I would have it understood

that I do not restrict myself to the particular construction and arrangement of parts shown and described, but that such changes and equivalents may be substituted therefor, 5 and that

What I claim as my invention is—

The combination with a bracket-arm support made of sheet metal, provided on its rear edge with wall-entering means and having a vertical series of openings, of a bracket-arm adapted for engagement with the side of 10 said support, and provided with means for engaging the said openings to secure the parts together, the rear end of the bracket-

arm, when the parts are assembled, being 15 flush with the rear edge of the bracket-arm support, straps embracing the support, and means for securing the straps to a wall or fixed upright.

In testimony of the foregoing specification 20 I do hereby sign the same, in the city of New York, county and State of New York, this 8th day of February, 1904.

HENRY FRANCIS KEIL.

Witnesses:

H. BAMMANN,  
JOSEPH FETYK.