

(No Model.)

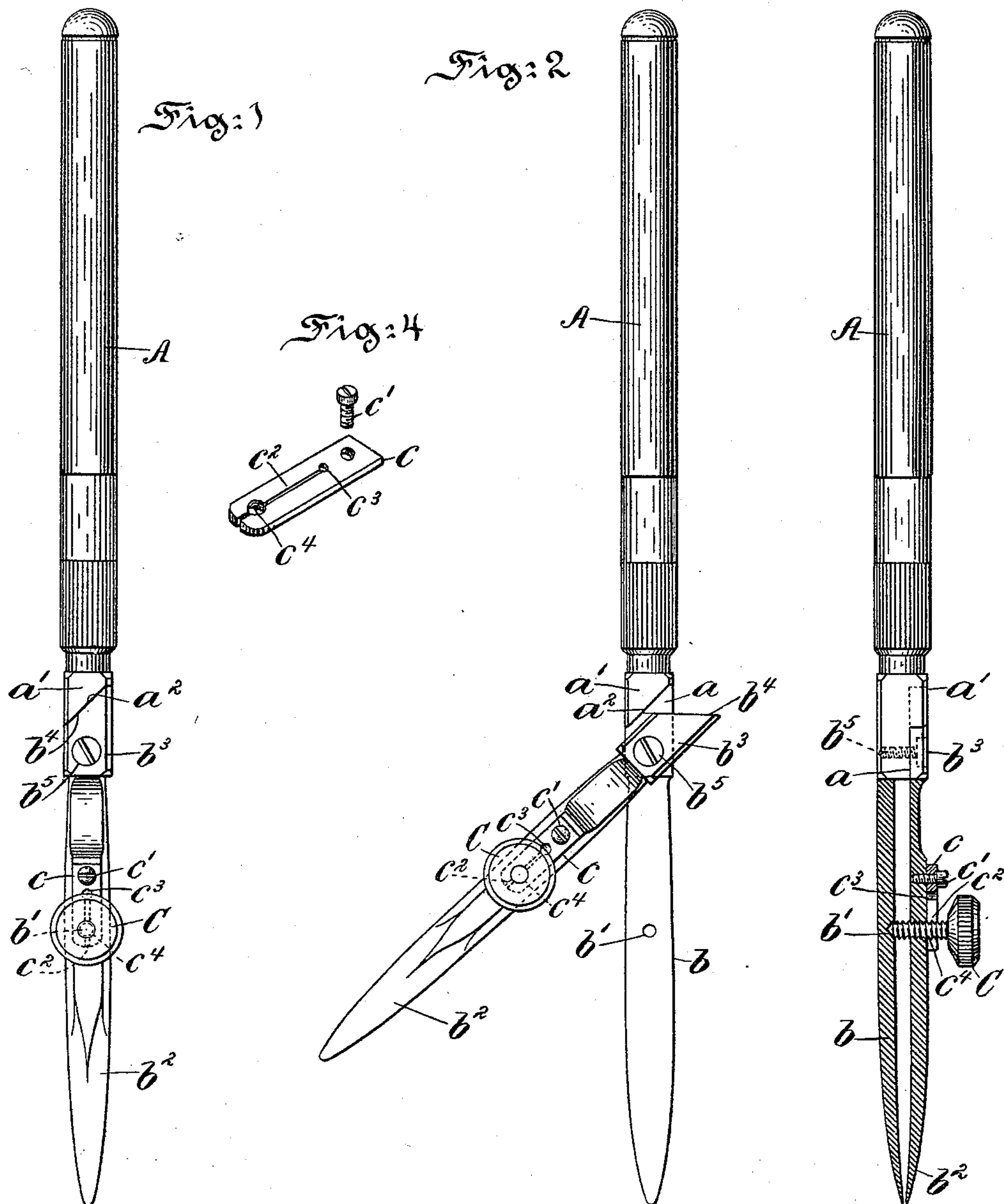
2 Sheets—Sheet 1.

V. BERDELLE.
DRAWING PEN.

No. 538,229.

Patented Apr. 30, 1895.

Fig: 3



Witnesses:
Thomas M. Smith.
Richard C. Maxwell.

Inventor,
Victor Berdelle,
By J. Walter Douglas
Attorney.

(No Model.)

V. BERDELLE.
DRAWING PEN.

2 Sheets—Sheet 2.

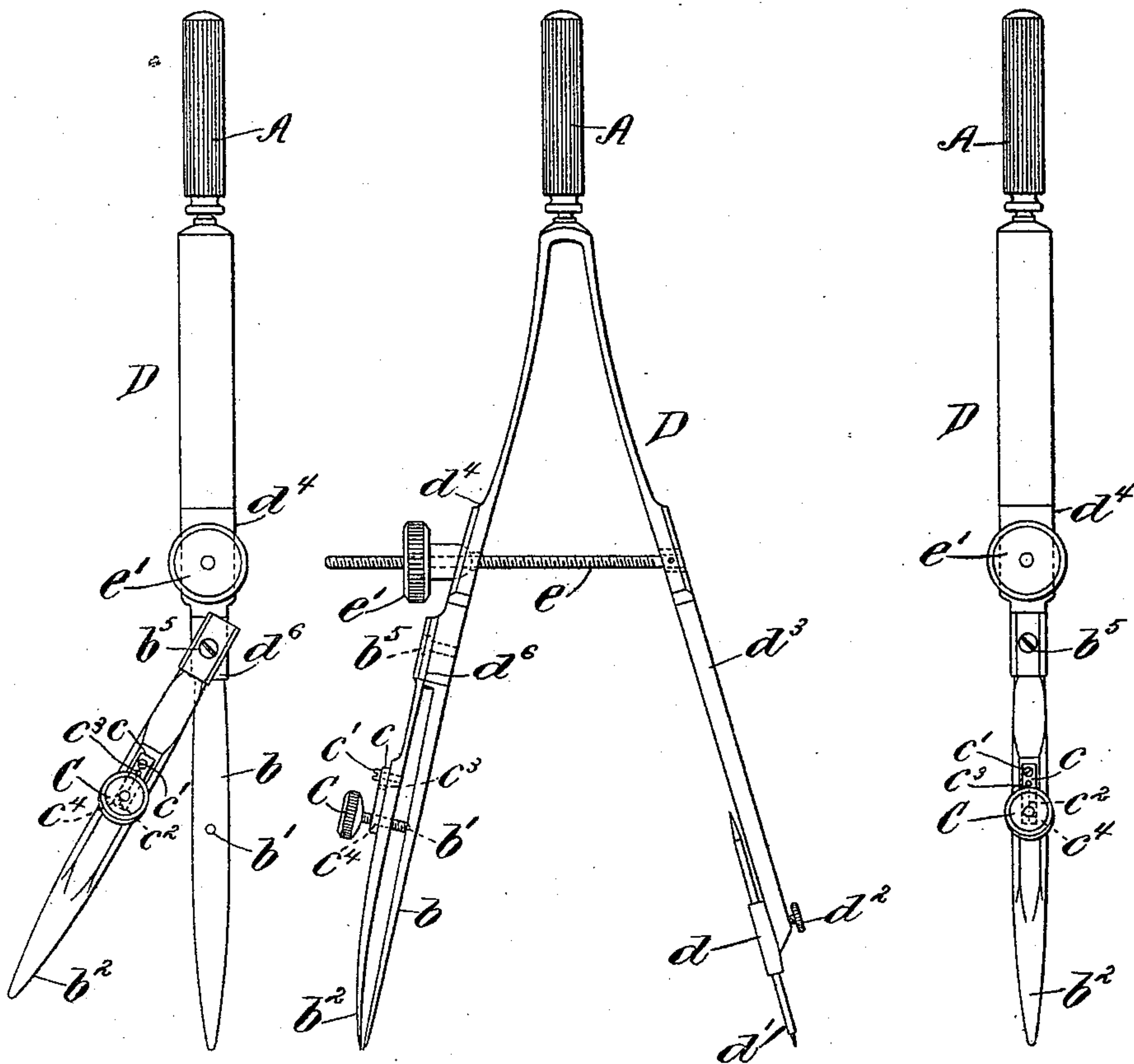
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Fig: 5

Fig: 6

Fig: 7



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UNITED STATES PATENT OFFICE.

VICTOR BERDELLE, OF PHILADELPHIA, PENNSYLVANIA.

DRAWING-PEN.

SPECIFICATION forming part of Letters Patent No. 538,229, dated April 30, 1895.

Application filed October 26, 1894. Serial No. 527,011. (No model.)

To all whom it may concern:

Be it known that I, VICTOR BERDELLE, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Drawing-Pens, of which the following is a specification.

My invention has relation to drawing, ruling or bow pens; and it relates more particularly to the construction and arrangement of such a pen, whereby certain movements thereof can be obtained for the purpose of thoroughly cleaning the blades thereof.

The principal objects of my invention are, first, to provide a simple, durable and effective drawing, ruling or bow pen; second, to provide a drawing, ruling or bow pen having one of the blades thereof arranged so as to permit of a sidewise movement of the same to afford cleaning of the inner surfaces of both of the blades of the instrument; third, to provide a drawing, ruling or bow pen with two blades adapted to normally approach each other, whereof one is fixed and provided with a seat having a projection with an oblique edge and whereof the other blade is movable and has a complementary oblique rear edge and a split clamp plate and an adjusting screw, and, fourth, to provide a drawing, ruling or bow pen having two blades, whereof one is movably connected with a seat of a stock, handle or staff to permit of a sidewise movement thereof and whereof the fixed blade is provided with a recess or socket for the engagement of an adjusting screw for holding the blades firmly to required position, and means connected with said movable blade having jaws adapted to snugly contact with the threaded stem of the screw to prevent the same working loose through continual manipulations of one blade with respect to the other of the instrument.

My invention stated in general terms, consists of a drawing, ruling or bow-pen constructed and arranged in substantially the manner hereinafter described and claimed.

The nature and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof; and in which—

Figure 1, is a top or plan view of a drawing pen embodying features of my invention. Fig. 2, is a similar view, showing the movable blade parted from the fixed blade, the seat for said movable blade connected with the stock or handle of the instrument, the projection or seat of the stock or handle with its oblique edge and the complementary edge of the movable blade and also the socket or recess in the fixed blade for the engagement of the adjusting screw of the movable blade therein. Fig. 3, is a view partly in side elevation and partly in section of a drawing pen embodying features of my invention, with the adjusting screw in application and the clamp-plate for preventing the same from working loose by the manipulations of the movable blade with respect to the fixed blade of the instrument. Fig. 4, is a perspective view of the clamp-plate for connection with the movable blade of the instrument but shown detached therefrom. Fig. 5, is a top or plan view of a bow-pen showing the seat connected with one member thereof, with the movable blade pivotally engaging therewith and the same shown parted from the fixed blade in order to illustrate the manner of cleaning the inner surfaces of both of said blades. Fig. 6, is a side elevational view of a bow-pen embodying features of my invention; and Fig. 7, is a top or plan view of said pen, showing the same in its normal or inoperative position for use.

Referring to the drawings with reference more particularly to Figs. 1 to 4, A, is the stock, handle or staff of the instrument made of aluminum or other suitable metal or material, the lower end of which is provided with an oblong seat a , having a projection a' , with an oblique edge a^2 , and formed integral with the seat a , is a blade b , having a socket or recess b' , formed in the body thereof for a purpose to be presently explained.

b^2 , is a complementary movable blade having a rear tang b^3 , with an oblique edge b^4 , and with an aperture in the body thereof for the insertion therethrough of an adjusting screw C. The movable blade b^2 , is pivoted at b^5 , to the seat a , of the handle, staff or stock A.

c , is a clamp-plate secured onto the movable blade b^2 , by means of a screw c' . This clamp-plate made of spring metal is provided

with an oblong slot or slit c^2 , and with apertures c^3 and c^4 . The aperture c^4 , is internally threaded for engaging by a springing action the threaded stem of the adjusting screw C. This spring metal clamp-plate is adapted in the engagement of the same with the threaded stem of the adjusting screw C, to prevent the working loose of the latter in the manipulations of the same through the movable blade into engagement with the socket or recess b' , of the fixed blade b , as clearly illustrated in Figs. 1, 2 and 3, of the drawings.

With reference now to Figs. 5 and 6, the handle, staff or stock A, has formed integral therewith or secured thereto a metal bow D, having at one extremity thereof a bearing d , for the introduction of a metal point, lead or the like d' , and which is held in required position therein by means of a set-screw d^2 . Pivoted to the upper end of the member d^3 , of the bow D, is a threaded cross-rod e , having mounted thereon a milled nut e' , as clearly shown in Fig. 6. This rod e , extends through the other member d^4 , of said bow D, and is arranged so as to permit of the bow being contracted or extended sidewise as requirements demand. The member d^4 , of the bow D, is provided with an oblong seat d^6 , and formed integral with said seat is a blade b , having a recess or socket b' , formed in the body thereof and pivoted to said seat is a complementary blade b^2 , provided with a clamp-plate c , such as illustrated in Figs. 1 to 4 inclusive, engaging the threaded stem of the adjusting screw C, in a similar manner as hereinbefore explained.

In order to clean the inner surfaces of the respective blades of the instrument, the adjusting screw C, is released from the socket or recess b' , of the fixed blade and then by a hand manipulation of the movable blade b^2 , pivoted to the seat at b^5 , of the handle, staff or stock A, of the instrument, it is moved sidewise of the fixed plate, for example, in the manner illustrated in Figs. 2 and 5, thereby readily permitting of the cleaning of first one blade and then the other, when by a reverse hand manipulation of said movable blade, it can be caused to assume its normal position, being that illustrated in Figs. 1, 3 and 7, in connection with the fixed blade and with the tapering extremity of the threaded stem of the adjusting screw C, in engagement with the socket or recess b' , of the fixed blade b , as clearly illustrated in Fig. 3.

The clamp-plate c , firmly engages the threaded stem of the adjusting screw with sufficient friction to prevent working loose of the said stem in the manipulations of the screw

C, in connection with the movable and fixed blades, whereby a reliable drawing instrument is provided and one in which, as practice has demonstrated, most satisfactory results have been obtained in constant use thereof.

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A drawing instrument provided with a handle or staff having a seat and an integral blade with a socket or recess in the body thereof, a complementary blade pivoted to said seat to permit of a sidewise movement of the same, an adjusting screw extending through said blade to engage the socket or recess of said fixed blade, and a clamping device engaging said screw, substantially as and for the purposes set forth.

2. A drawing instrument provided with a handle or staff having a seat with a projection having an oblique edge and a fixed blade with a socket or recess, a complementary blade pivotally connected with said seat and provided with an oblique edge, an adjusting screw adapted to engage the socket or recess of said fixed blade, and a clamping device engaging said screw, substantially as and for the purposes set forth.

3. A drawing instrument provided with a handle or staff having a seat with an oblique edge and an integral blade with a recess or socket, a complementary blade pivoted to said seat and provided with a rear oblique edge, and a split clamping device connected with said movable blade and engaging the threaded stem of an adjusting screw extending through said pivotal blade and engaging in the recess or socket of said fixed blade, substantially as and for the purposes set forth.

4. A drawing instrument, comprising two members, whereof one is fixed to a handle, stem or staff and provided with a seat having a projection with an oblique edge, a blade formed integral therewith and provided with a recess or socket, a movable blade with a rear oblique edge pivoted to said seat, an adjusting screw extending through said blade and engaging the socket or recess of said fixed blade, and a split clamping device engaging said screw, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses.

VICTOR BERDELLE.

Witnesses:

THOMAS M. SMITH,
RICHARD C. MAXWELL.