

J. G. REGELSON.

GAGE.

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915,219.

Patented Mar. 16, 1909.

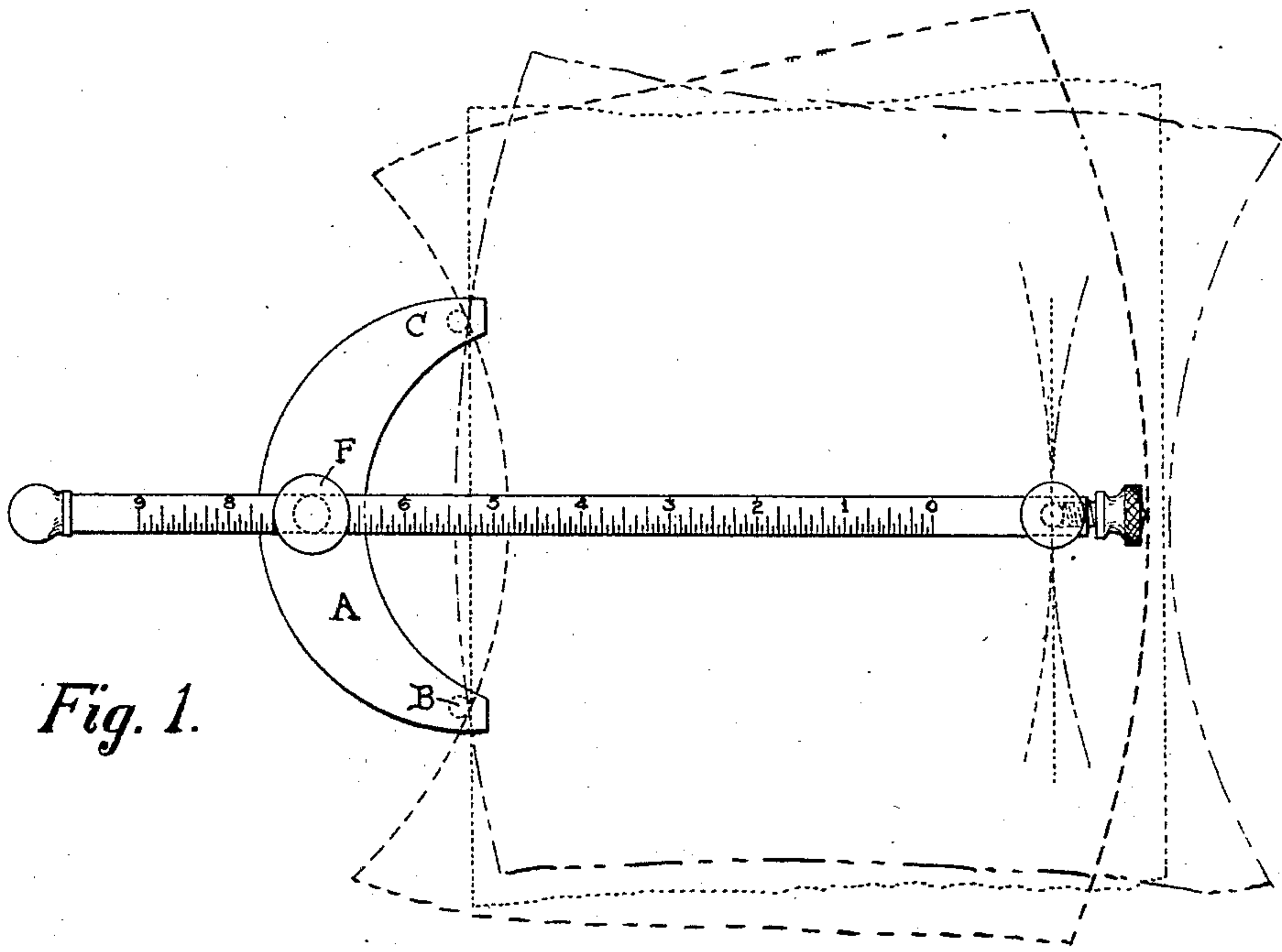


Fig. 1.

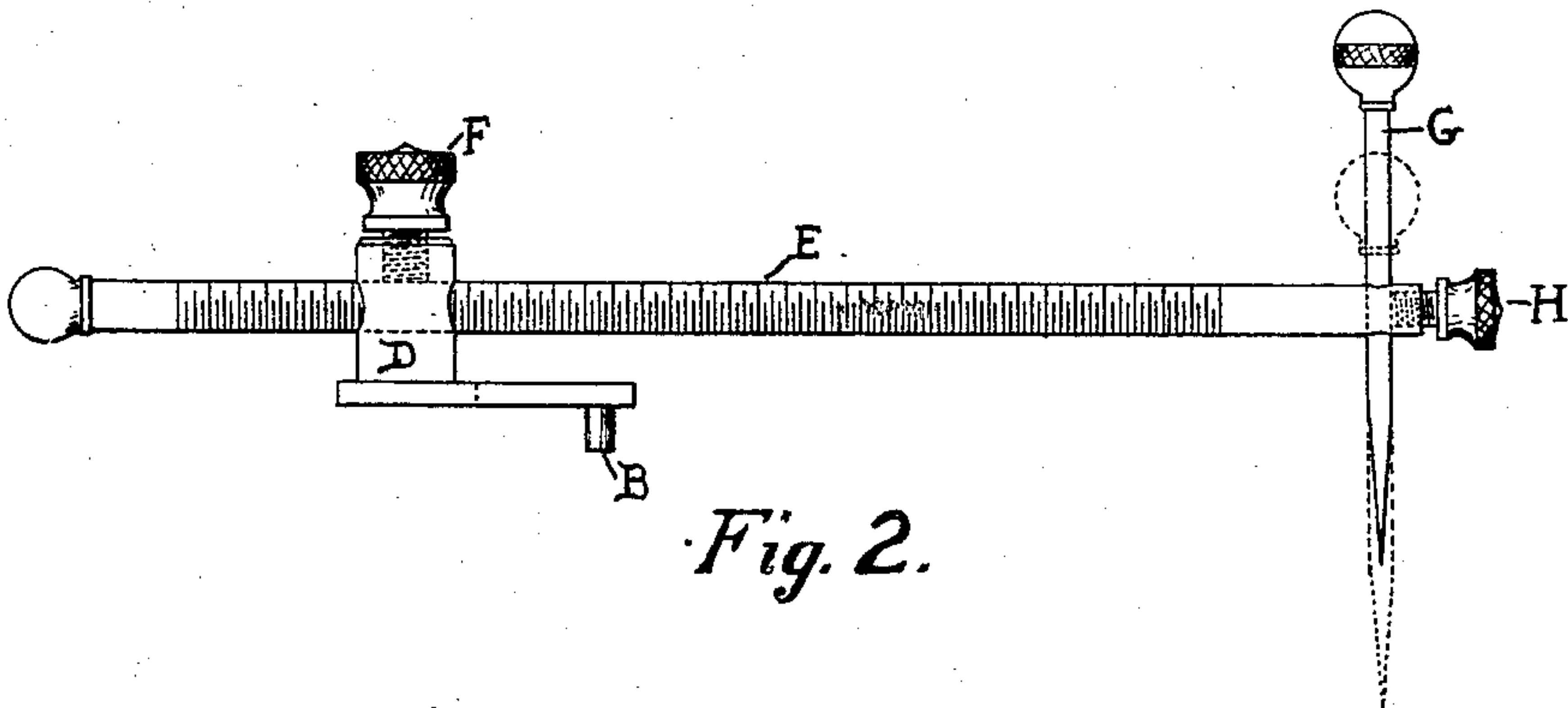


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

JOHN G. REGELSON, OF SCHENECTADY, NEW YORK.

GAGE.

No. 915,219.

Specification of Letters Patent.

Patented March 16, 1909.

Application filed June 3, 1907. Serial No. 376,951.

To all whom it may concern:

Be it known that I, JOHN G. REGELSON, a citizen of the United States, residing at the city of Schenectady, in the county of Schenectady and State of New York, have invented certain new and useful Improvements in Gages, of which the following is a specification.

My invention relates to gages, and the object of my invention is to provide a machinist's scratch gage, particularly adapted for use on iron work, which has an adjustable point and which is capable of use upon work requiring delicate adjustment and great accuracy. I attain this object by means of the mechanism illustrated in the accompanying drawings, in which:

Figure 1 is a plan. Fig. 2 is a side elevation.

Similar letters refer to similar parts throughout the several views.

A plate, A, which is preferably crescent shaped, has its outer surface convex, and its inner surface concave, as shown in Fig. 1 and preferably is provided near its ends with the lugs, B and C, which project from the under surface thereof. On the upper surface of the plate, A, I secure the post, D, through which reciprocates the rod, E, controlled by the thumb screw, F. Through the rod, E, near one end thereof, I place the scriber, G, which is held in the desired position in said rod by the set screw, H, which is threaded to the end of the rod, and engages the side of the scriber G. The rod, E, is preferably graduated.

I have shown in Fig. 1 the gage used in connection with a straight edge, as shown by dotted line, and by the use of a broken line I have shown my gage used against a concave edge and by a dash and dotted line I have shown the position of my gage with a convex surface.

In working in iron, steel and other metals, it is important to determine with great nicety the exact position in which cutting should be made or drills employed. Convenience in

the use of the means for determining these places for cutting or boring is to be considered, and it is believed that the crescent shaped form of plate A, with its lugs, B and C, at or near the extreme ends, is most convenient in operation.

This gage is particularly useful in laying out work, and by having the lugs, B and C, at the ends of the crescent shaped plate, the scriber G being on the end of the rod projecting from the concave side of the plate, the scriber may be used for marking nearer to the edge of the work than the parts engaged by the lugs.

The scriber being capable of adjustment at different distances above or below the plate, A, enables the gage to be used for marking surfaces higher or lower than the edge with which the plate engages. The scriber it will be noted may be angularly adjusted by turning the rod E and hence may be set to draw in either direction or to contact with the work at either side of the median line between the gage projections.

What I claim as my invention and desire to secure by Letters Patent is:

A scratch gage embodying a crescent-shaped plate having gage lugs on one side in proximity to the ends of the crescent, and a central post on the opposite side, a rod arranged substantially parallel with the plane of the plate and adjustably mounted in the post to rotate and move longitudinally therein, and a longitudinally adjustable scriber mounted in and having its axis at an angle to the rod; means for clamping the scriber in adjusted position with relation to the rod, and means for clamping the rod in adjusted position in the post whereby the longitudinal and angular position of the scriber may be fixed.

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

JOHN G. REGELSON.

Witnesses:

H. J. POFFENBACK,
D. E. ENGLISH.