

No. 751,200.

PATENTED FEB. 2, 1904.

J. T. PEDDIE.

RIFLE SIGHT.

APPLICATION FILED JAN. 13, 1902.

NO MODEL.

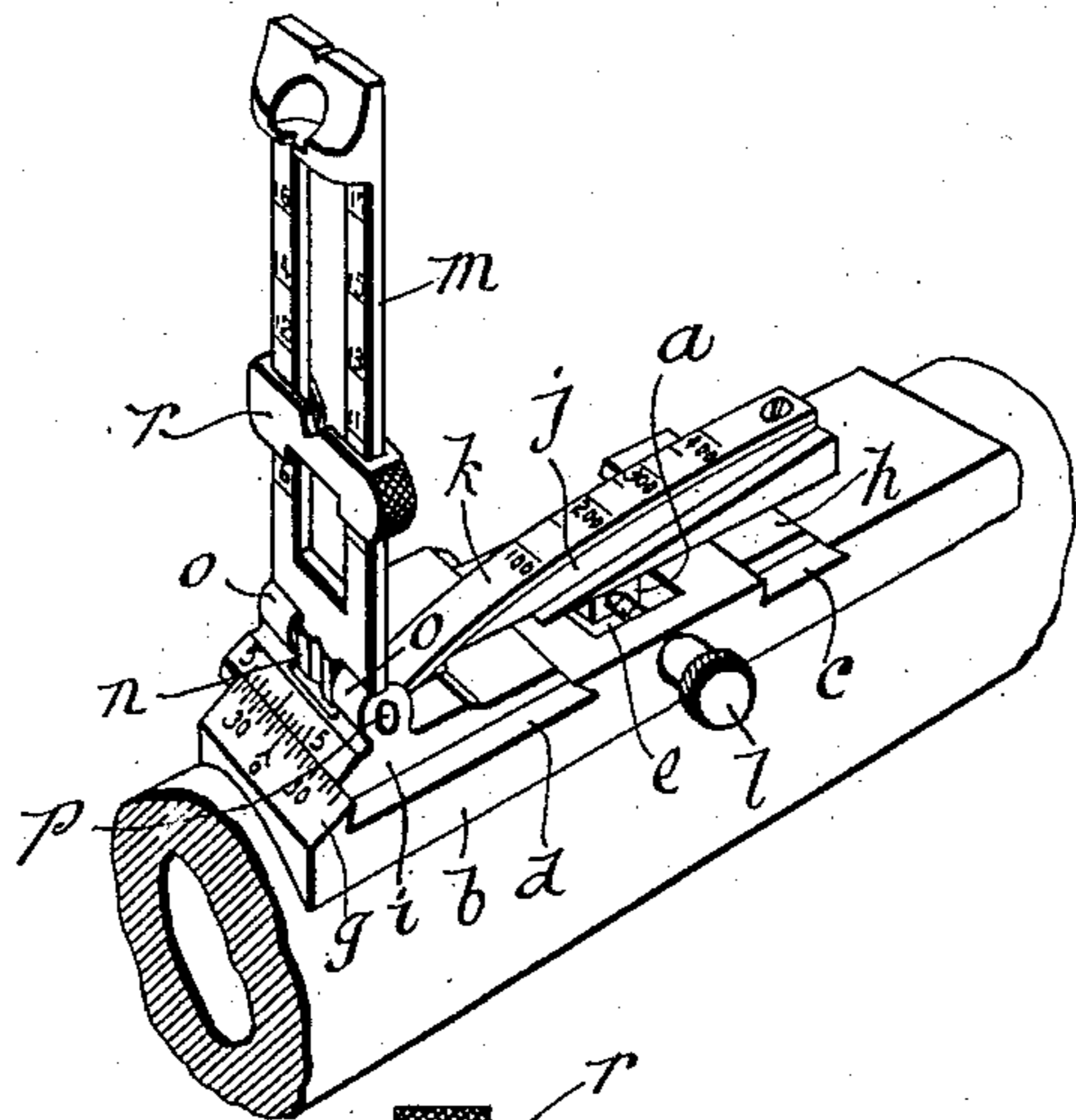


FIG. 1.

FIG. 2.

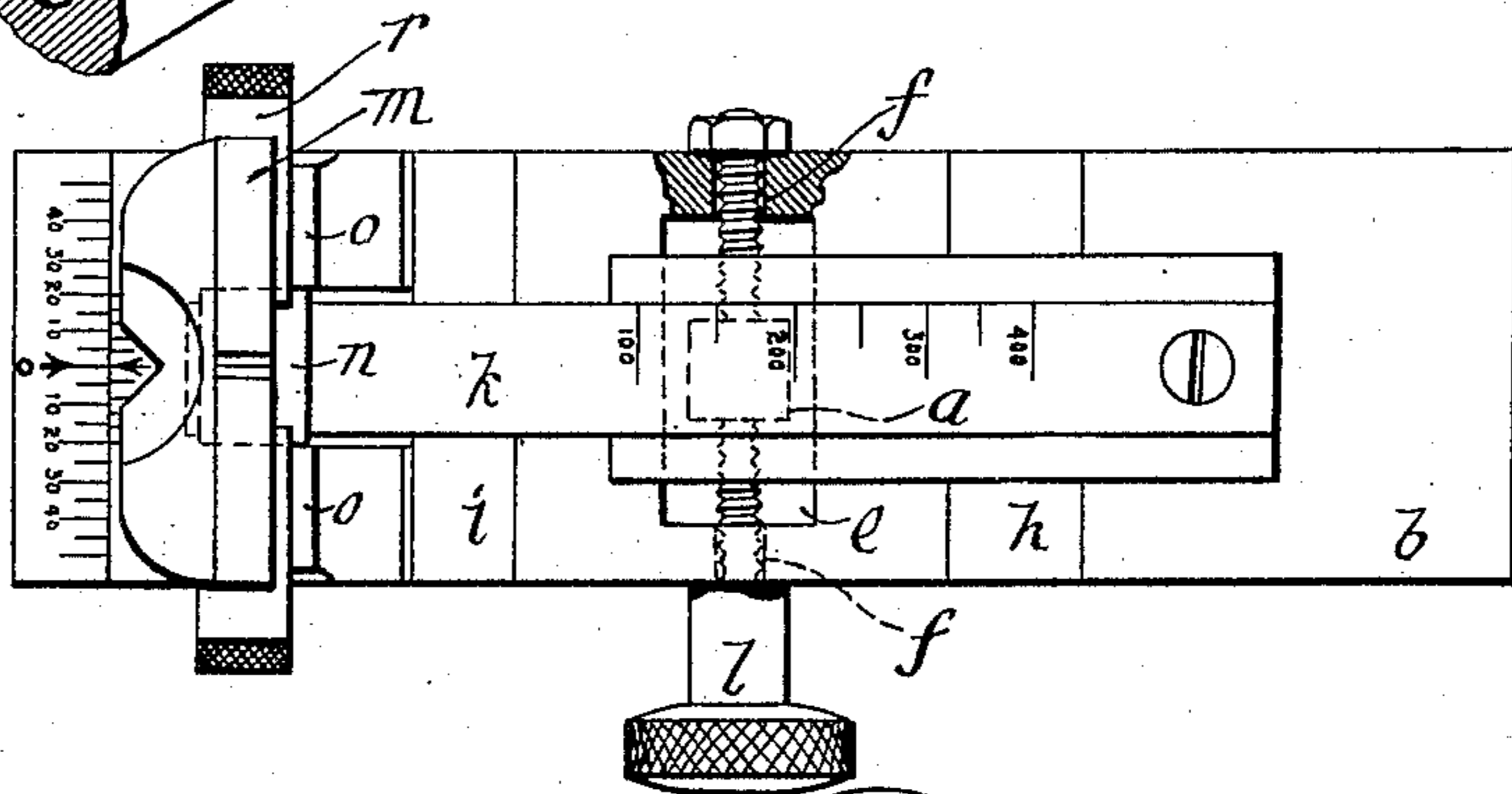


FIG. 3.

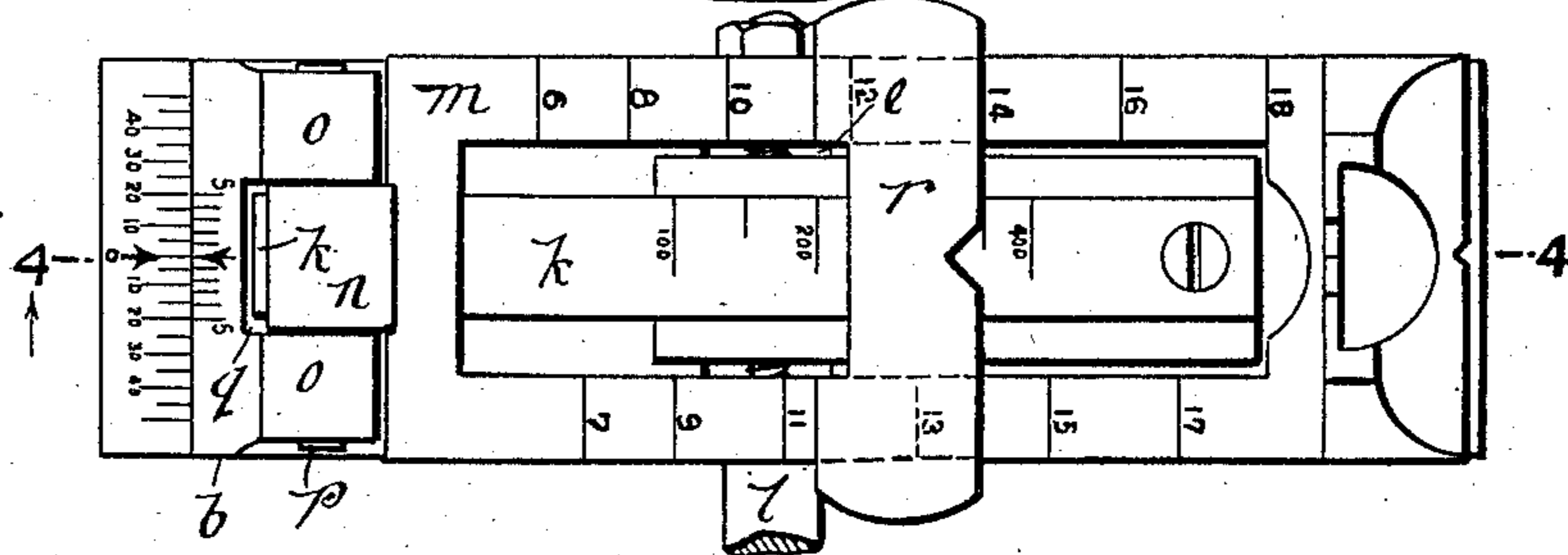
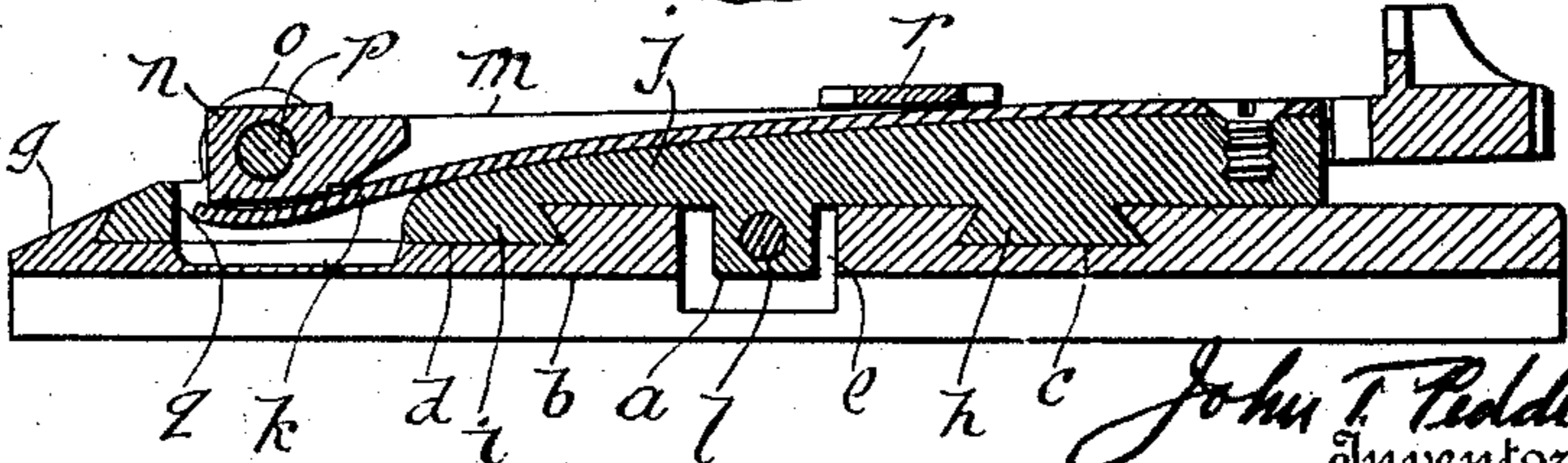


FIG. 4.



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JOHN TAYLOR PEDDIE, OF MONTREAL, CANADA, ASSIGNOR TO
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RIFLE-SIGHT.

SPECIFICATION forming part of Letters Patent No. 751,200, dated February 2, 1904.

Application filed January 13, 1902. Serial No. 89,613. (No model.)

To all whom it may concern:

Be it known that I, JOHN TAYLOR PEDDIE, insurance broker, of the city of Montreal, in the district of Montreal and Province of Quebec, Canada, have invented certain new and useful Improvements in Rifle-Sights; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to laterally-adjustable sights whereby the deflection due to wind can be compensated for and the proper elevation given relatively to the range at which shooting is to be done, and has for its object to so improve the construction of the same that a greater degree of lateral movement of the movable sight-carrying member, coupled with absolute steadiness thereof, is obtainable, as well as a strengthening of the operating parts, a more convenient operation, and the possibility of easily removing any accumulation of dust, &c., likely to interfere with the operation.

The main feature of the invention may be said, briefly, to consist in the particular construction of the laterally-movable sight-carrying member and its connection with the fixed base, which construction and connection may be briefly described as follows: The base secured to the gun-barrel is formed to present a central transverse slot and a pair of transverse dovetail guideways, while the laterally-adjustable sight-carrying member comprises a pair of slides fitting said guideways and connected by a bridge-piece extending from the top of each slide over and above the central or intervening section of the base and being of a width less than that of the slides and of the base, the movable sight-carrying member having a projection on its under side which enters the slot in the base and presents a screw-threaded aperture to receive the operating thumb-wheel of convenient size.

Other more specific combinations of parts are hereinafter described, and pointed out in the claims.

For full comprehension of my invention reference must be had to the accompanying

drawings, forming a part of this specification, in which like symbols indicate the same parts, and wherein—

Figure 1 is a perspective view of a portion of a rifle provided with my improved sight. Fig. 2 is a plan view of the sight enlarged and partly in section with the sight-frame in its upright position. Fig. 3 is a similar view with the sight-frame closed down. Fig. 4 is a longitudinal vertical section on line 44, Fig. 3.

My improved sight comprises a base *b*, secured rigidly upon the barrel and having a pair of transverse dovetail guideways *c* and *d*, an opening or slot *e* between said guideways, and borings *f* in line with one another through portions of the base at the ends of said slot, while one end of said base is beveled, as at *g*.

The laterally-adjustable sight-carrying member comprises a pair of dovetail slides *h* and *i*, which are adapted to fit and slide in the respective guideways *c* and *d* and are connected rigidly together by a bridge-piece *j*, which spans or overlaps the middle portion of the base that lies between the dovetail guides and which contains the slot *e*, and the bridge-piece also has a projection *a* on its under side to enter said slot. The bridge-piece is of less width than the dovetail slides in order that a clearance on each side may be left to secure a greater lateral adjustment than has hitherto been obtainable in sights of this type, and by forming the movable sight-carrying member of the two dovetail guides and bridge-piece a central vertical clearance is obtainable, which allows a substantial portion of the base to be used as bearings for the operating-screw and this latter to be of much larger diameter than formerly. A bow-spring *k* is secured upon the bridge-piece for yieldingly retaining the usual pivoted sight-leaf in any position to which it may be adjusted, such sight-leaf consisting of an open frame *m*, having a perforated square lug *n* at one end which fits between a pair of perforated lugs *o*, formed upon the dovetail slide *i*, through which and said square lug *n* a fulcrum-pin *p* projects, while the square lug turns

in a recess formed by an opening q through said slide i , in which the free end of the bow-spring k is bent to bear upon the under side of said square lug. The usual cross-bar r , with a V-notch midway between the ends of the side thereof, is carried slidably upon the graduated sides of the open frame, and I have also provided graduations upon the bow-spring k , which follows the inclined upper side of the bridge-piece, whereby the adjustment of the cross-bar r to regulate the elevation of the arm for distances under five hundred yards may be determined.

The side of the dovetail slide i adjacent to the beveled end of the base is also beveled correspondingly, and the beveled end of the base has graduations thereon representing five degrees each, while the beveled side of the slide has graduations representing units. The movable sight-carrying member comprising the dovetail slides and connecting bridge-piece is adjustable laterally by a transverse screw l , rotatably mounted in the borings f in the base and threaded through a tapped boring in the projection a from the under side of the bridge-piece. In order to enable an adjustment of units or fives, I mark the edge of the slide with five subdivisions to each four upon the registering edge of the base, counting from a central zero, each of the upper subdivisions representing a single degree, while each of the lower subdivisions represents five degrees.

What I claim is as follows:

1. In a laterally-adjustable gun-sight, the combination with a base secured to the gun-barrel and presenting a pair of transverse dovetail guideways, of a laterally-adjustable sight-carrying member comprising a pair of slides fitting said guideways, and a longitudinal bridge-piece connecting said slides and being of a width less than that of the base, the said sight-carrying member carrying a hinged sight-leaf and the said bridge-piece being graduated and adapted to support said sight-leaf in different angular positions predetermined by the graduation upon the bridge-piece, the sight-carrying member with the parts carried thereby being collectively adjustable laterally of the gun, substantially as described and for the purpose set forth.

2. In a laterally-adjustable gun-sight the combination with a base secured to the gun-barrel and presenting a pair of transverse dovetail guideways, of a laterally-adjustable sight-carrying member comprising a pair of slides fitting said guideways, and a longitudinal bridge-piece connecting said slides and being of a width less than that of the base; an open graduated frame pivotally connected to said member, and the opening in which when the frame is in one position accommodates said bridge-piece, a slider upon said frame and movable longitudinally thereof, and means for adjusting said sight-carrying member, sub-

stantially as described and for the purpose set forth.

3. In a laterally-adjustable gun-sight, the combination with a base secured to the gun-barrel near the breech, and presenting a central transverse slot and a pair of transverse dovetail guideways, of a laterally-adjustable sight-carrying member comprising a pair of slides fitting said guideways, and a longitudinal bridge-piece connecting said slides, presenting a projection on its under side entering said slot and being of a width less than that of the base; a sight carried by said member, and means connected with said projection and with the base for adjusting the member, substantially as described.

4. In a laterally-adjustable gun-sight the combination with a base secured to the gun-barrel presenting a central transverse slot and a pair of transverse dovetail guideways and having the end nearest the breech beveled and graduated, of a laterally-adjustable sight-carrying member comprising a pair of slides fitting said guideways and a longitudinal bridge-piece connecting said slides presenting a projection on its under side entering said slot and being of a width less than that of the base, the slide nearest the breech being beveled to correspond with the bevel of the end of the base and being graduated; a sight carried by said member, and means connected with said projection and with the base, for adjusting the member, substantially as described.

5. In a laterally-adjustable gun-sight the combination with a base secured to the gun-barrel near the breech, presenting a central transverse slot and a pair of transverse dovetail guideways and having the end nearest the breech beveled and graduated, of a laterally-adjustable sight-carrying member comprising a pair of slides fitting said guideways, and a graduated longitudinal bridge-piece extending from the top of said slides across the central portion of the base and being of a width less than that of the base, the slide nearest the breech being beveled to correspond with the bevel of the end of the base and being graduated, a sight-leaf hinged to the sight-carrying member, a slider on the sight-leaf adapted to ride on said bridge-piece, and means for adjusting said sight-carrying member, substantially as described.

6. In an adjustable gun-sight the combination with a base secured to the gun-barrel presenting a central transverse slot and a pair of transverse dovetail guideways and having the end nearest the breech beveled and graduated to indicate fives, of a laterally-adjustable sight-carrying member comprising a pair of slides fitting said guideways, and a graduated longitudinal bridge-piece extending from the top of said slides across the central portion of the base, and being of a width less than that of the base, the slide nearest the breech being

beveled to correspond with the bevel of the
end of the base and being graduated to indi-
cate units, a sight consisting of an open grad-
uated frame hinged to the carrying member,
5 a sighting projection upon the face of the
frame, and a slider carried by the frame and
adapted, when the frame is in one position, to
ride upon said bridge-piece; and means for

adjusting said sight-carrying member, sub-
stantially as described.

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In testimony whereof I have affixed my sig-
nature in presence of two witnesses.

JOHN TAYLOR PEDDIE.

Witnesses:

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FRANK H. DENMAN.