

(No Model.)

E. S. HUNT.
ORDNANCE.

No. 364,720.

Patented June 14, 1887.

Fig. 1.

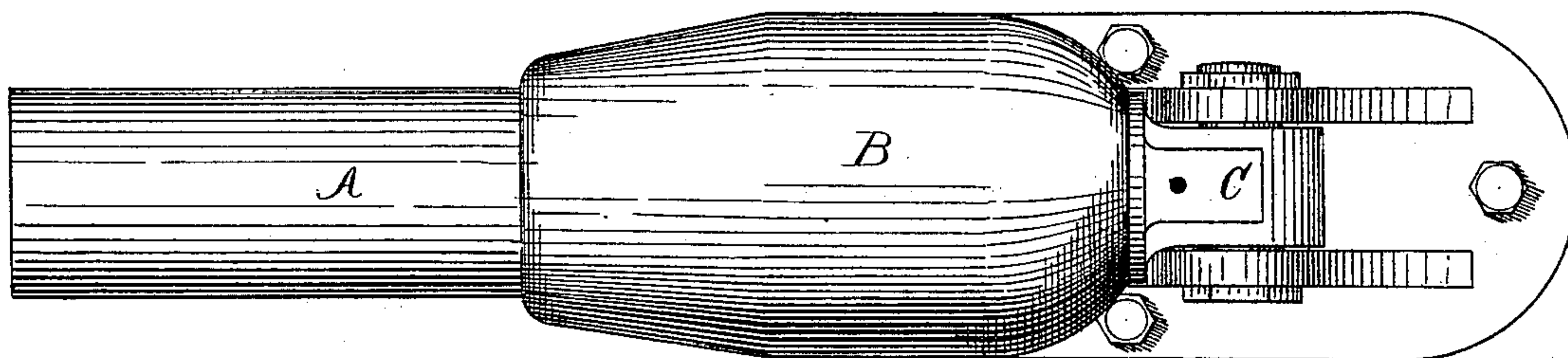
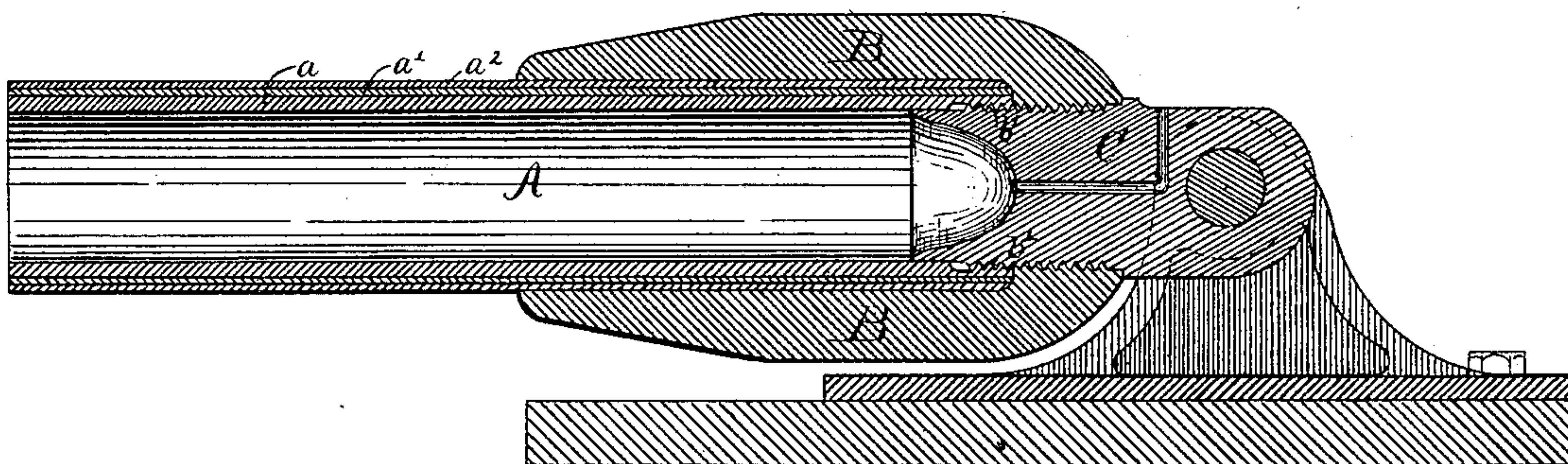


Fig. 2.



Witnesses:
Wm. Zittel.
John R. Snow.

Inventor:
Edmund S. Hunt
by J. E. Magnanin
his atty.

UNITED STATES PATENT OFFICE.

EDMUND S. HUNT, OF WEYMOUTH, MASSACHUSETTS, ASSIGNOR TO THE
HUNT'S LIFE SAVING GUN COMPANY, OF SAME PLACE.

ORDNANCE.

SPECIFICATION forming part of Letters Patent No. 364,720, dated June 14, 1887.

Application filed October 7, 1880. Serial No. 19,436. (No model.)

To all whom it may concern:

Be it known that I, EDMUND S. HUNT, of Weymouth, in the county of Norfolk and State of Massachusetts, have invented an Improved Gun, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part thereof, in which—

Figure 1 is a plan, and Fig. 2 a central vertical section, of a gun embodying my invention.

My gun consists of three parts—the body or barrel A, the re-enforce B, and the breech-plug C—and its novelty resides in the construction of the body A of two or more drawn seamless tubes of brass united together in the drawing process, one tube being used as the mandrel or form in drawing the other.

In the drawings, the body A is shown as formed of three drawn seamless tubes. The inner tube, *a*, was first drawn over a mandrel in the way well known to all skilled in this art; the second tube, *a'*, was then drawn over the tube *a*, and the third tube, *a''*, over the compound tube *a a'*, the whole forming a compound seamless drawn tube consisting of three seamless drawn tubes, the interior and exterior of which are smooth, true, and polished, and which are very closely united, the joints being scarcely visible, and which when drawn is ready for use in the gun without boring or turning. The mode of manufacturing this compound seamless drawn tube is too well known to require further description. The inner tube, *a*, should be thicker than the others, say one-fourth of an inch thick, when the gun is to be rifled.

The compound tube is provided with a screw-thread, *b'*, at its rear end to receive the breech-plug C. The re-enforce B is shown as a casting, but may also be made of drawn seamless tubing; but when trunnions are used I

prefer to cast the re-enforce and trunnions in one piece.

The body A is fitted closely into the re-enforce B, preferably by shrinking the re-enforce onto the body A in a well-known manner, and the plug C is then screwed in, as shown in the drawings. The front end of the plug C is chambered out to form the usual gas-check, and fits closely in the body A, as shown.

I am aware of the British Patent to Whitworth and Hulse, No. 51, of 1863, and disclaim a gun whose body or barrel is composed of one or more forged tubes bored and turned, one of the main advantages of my gun being that several tubes forming the body are made true and smooth, and closely united by the process of drawing them from the ingots, and are neither bored nor turned.

I am also aware of Patents No. 43,629, July 19, 1864, to Parsons; No. 91,864, June 21, 1869, to Palliser; No. 196,695, October 30, 1879, to Palliser; No. 159,837, February 16, 1874, to Moffat; No. 186,308, January 16, 1877, to Crispin, and disclaim all that is contained in them, my gun differing essentially from the guns shown in these patents by reason of its body or barrel of seamless drawn tubes, which, in combination with its re-enforce and breech-plug, makes a radically novel gun.

What I claim as my invention is—

The improved gun herein described, consisting of the body A, formed of two or more seamless drawn tubes forming a single compound seamless drawn tube, in combination with re-enforce B and breech-plug C, substantially as and for the purpose set forth.

EDMD. S. HUNT.

Witnesses:

J. E. MAYNADIER,
J. R. SNOW.