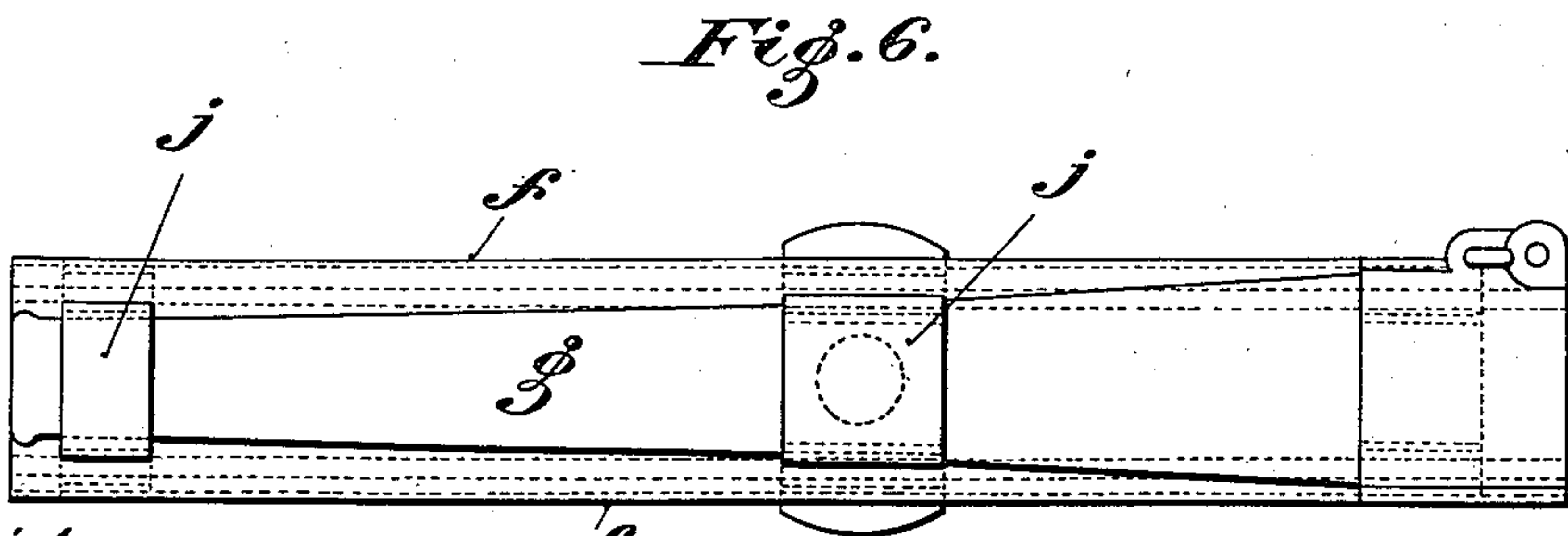
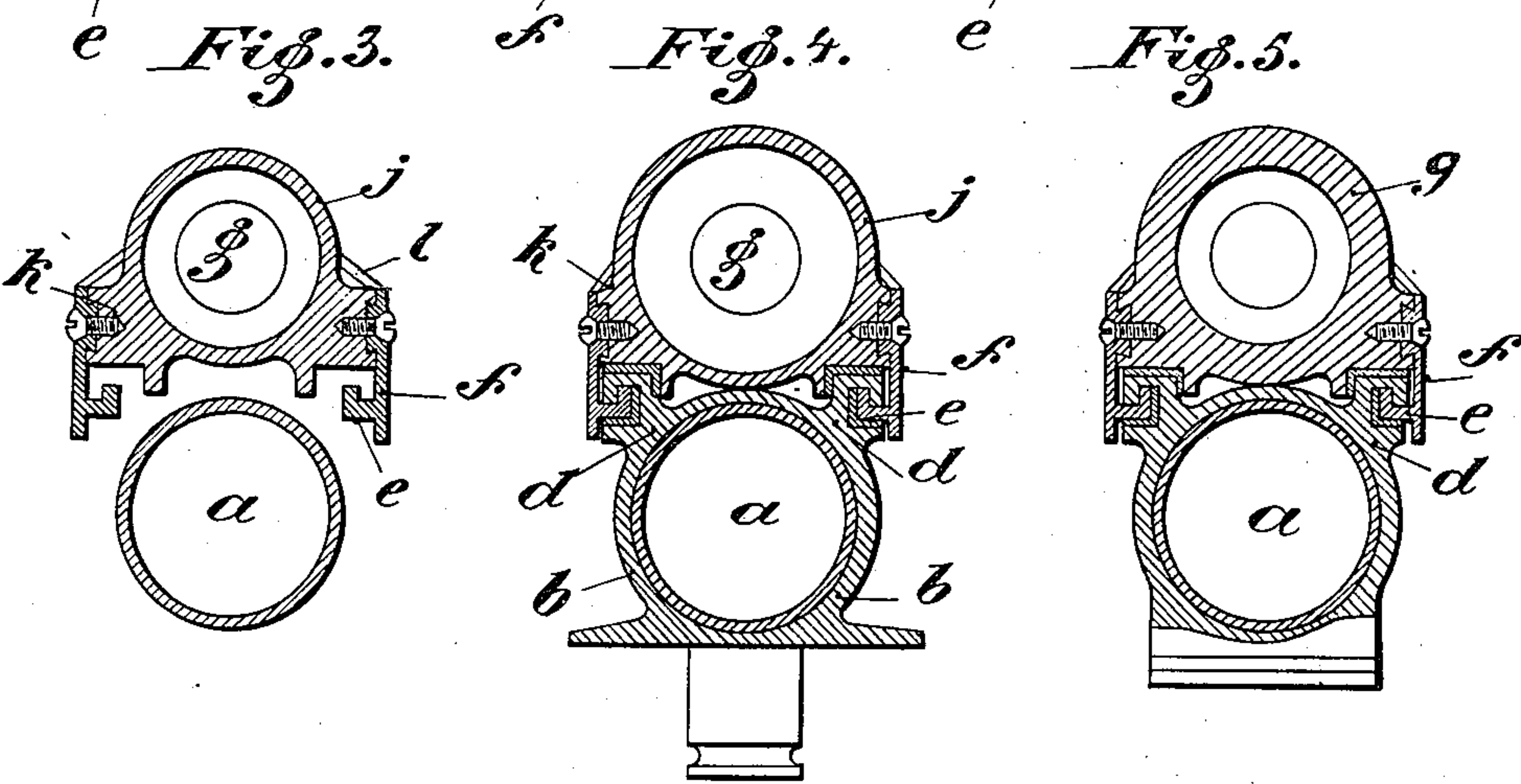
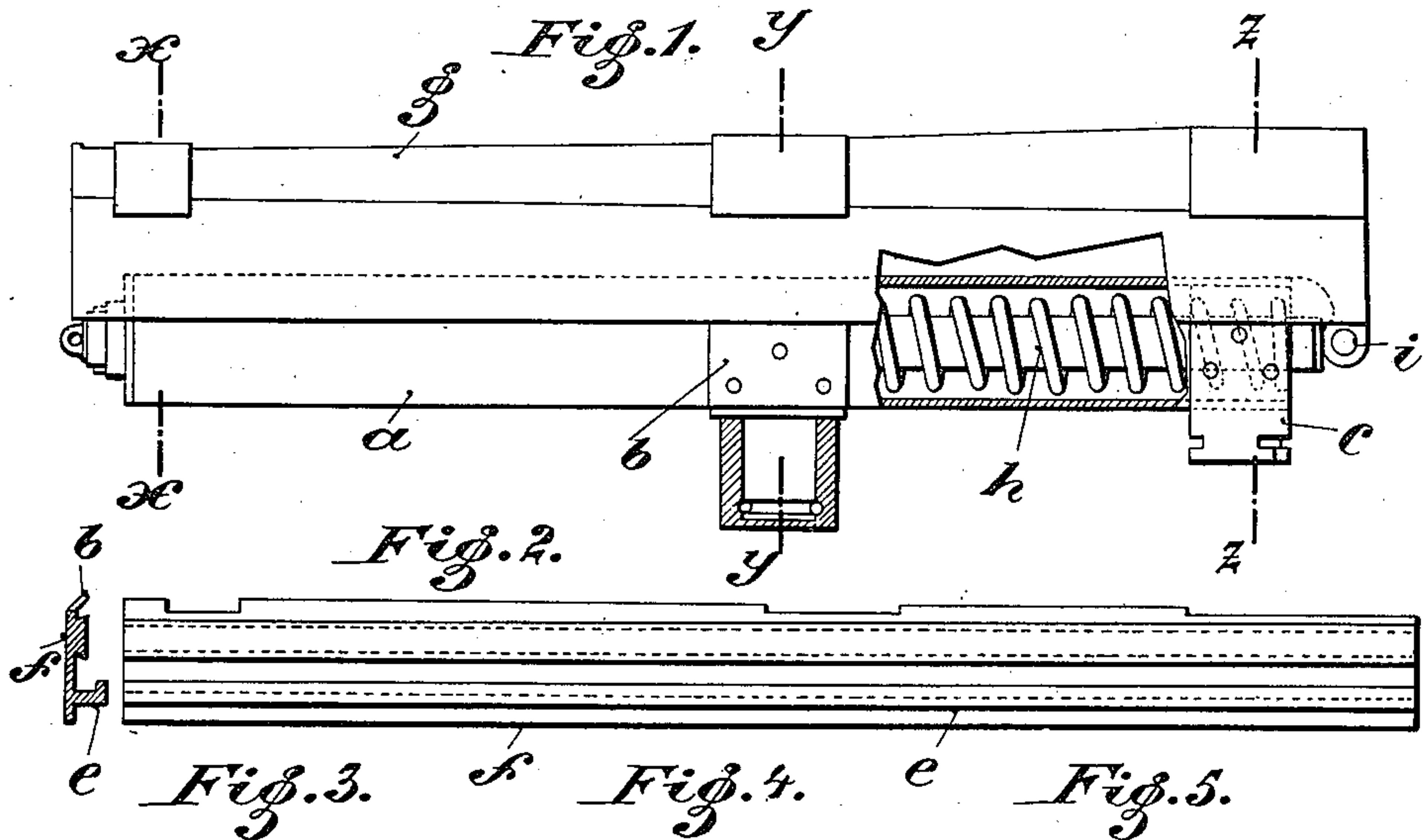


No. 751,840.

PATENTED FEB. 9, 1904.

G. EHRHARDT.
GUN CARRIAGE OR MOUNTING.
APPLICATION FILED APR. 4, 1903.

NO MODEL.



Witnesses:
John Brown.
James L. Norris, Jr.

Inventor
Gustav Ehrhardt
By
James L. Norris.
Attys.

UNITED STATES PATENT OFFICE.

GUSTAV EHRHARDT, OF EISENACH, GERMANY.

GUN CARRIAGE OR MOUNTING.

SPECIFICATION forming part of Letters Patent No. 751,840, dated February 9, 1904.

Application filed April 4, 1903. Serial No. 151,107. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV EHRHARDT, engineer, a citizen of the United States of America, residing at Eisenach, in the Grand Duchy of Saxe-Weimar and German Empire, have invented certain new and useful Improvements in or Relating to Gun Carriages or Mountings, of which the following is a specification.

My invention relates to a gun-carriage or mountings for guns with tube-recoil, which differs from old gun-carriages in that the gun is guided by means of its protective or armor bars in the rings of the pivot and of the elevator-slide holding the carriage.

The carriage is illustrated in the accompanying drawings, in which—

Figure 1 shows the carriage and gun in side elevation. Fig. 2 shows a guide-bar in section and in side elevation. Fig. 3 is a cross-section on line *xx* of Fig. 1; Fig. 4, a cross-section on line *yy* of Fig. 1; Fig. 5, a cross-section on line *zz* of Fig. 1; and Fig. 6, a plan of Fig. 1.

The carriage *a* is surrounded by an extension *b* of the pivot having the form of a wide ring and by a similar extension of the elevator device *c*. At the top the ring is provided on both sides with parallel parts *d*, forming guides. These guides engage with corresponding projecting angle-plates *e* on lateral protecting or armor plates *f*, secured to the gun *g* and extending along the whole of its length. In the carriage-tube *a* is arranged in the usual manner a brake-cylinder *h*, and as it has to follow the movements of the tube its rear end is secured to an extension *i*, arranged at the breech end of the gun *g*. At the muzzle end and over the pivot rings *j* or reinforcements surround the gun, without, however, being connected to the gun-carriage. Ledges *k* on each ring *j* serve for securing the armor-plates. They could, however, be secured direct to the

gun, it being only necessary to thicken it so as to have the same width in front as at the back, as the plates *f* must be parallel. At the back or breech end the plates are secured directly to the gun *g*.

In order to protect sliding surfaces at the top, the parallel plates are provided with angular projections *l*, fitted to the shape of the gun, which is tapered.

The plates *f*, made of suitable material, form at the same time an armor or protection for the sliding parts, and as the recoil is of such extent that both guiding parts *d* on the rings never become uncovered the sliding parts cannot be injured.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. A gun carriage or mounting having a pivoted tube adapted to contain part of the recoil mechanism, said tube being provided with surrounding rings above the pivot and elevator-slide said rings being provided with guides in which the movable gun is guided by means of corresponding guide-plates on lateral plates secured to the sides of the gun or reinforcements thereon, substantially as described.

2. The combination of a gun, armor-plates on said gun, said armor-plates having internal protected guide-rails, and a gun-carriage having members coöperating with said protected guide-rails, said members being covered all ways and protected by said guide-rails.

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

GUSTAV EHRHARDT.

Witnesses:

JOHANNES RENTZ,
THEODOR HEFTMANN.