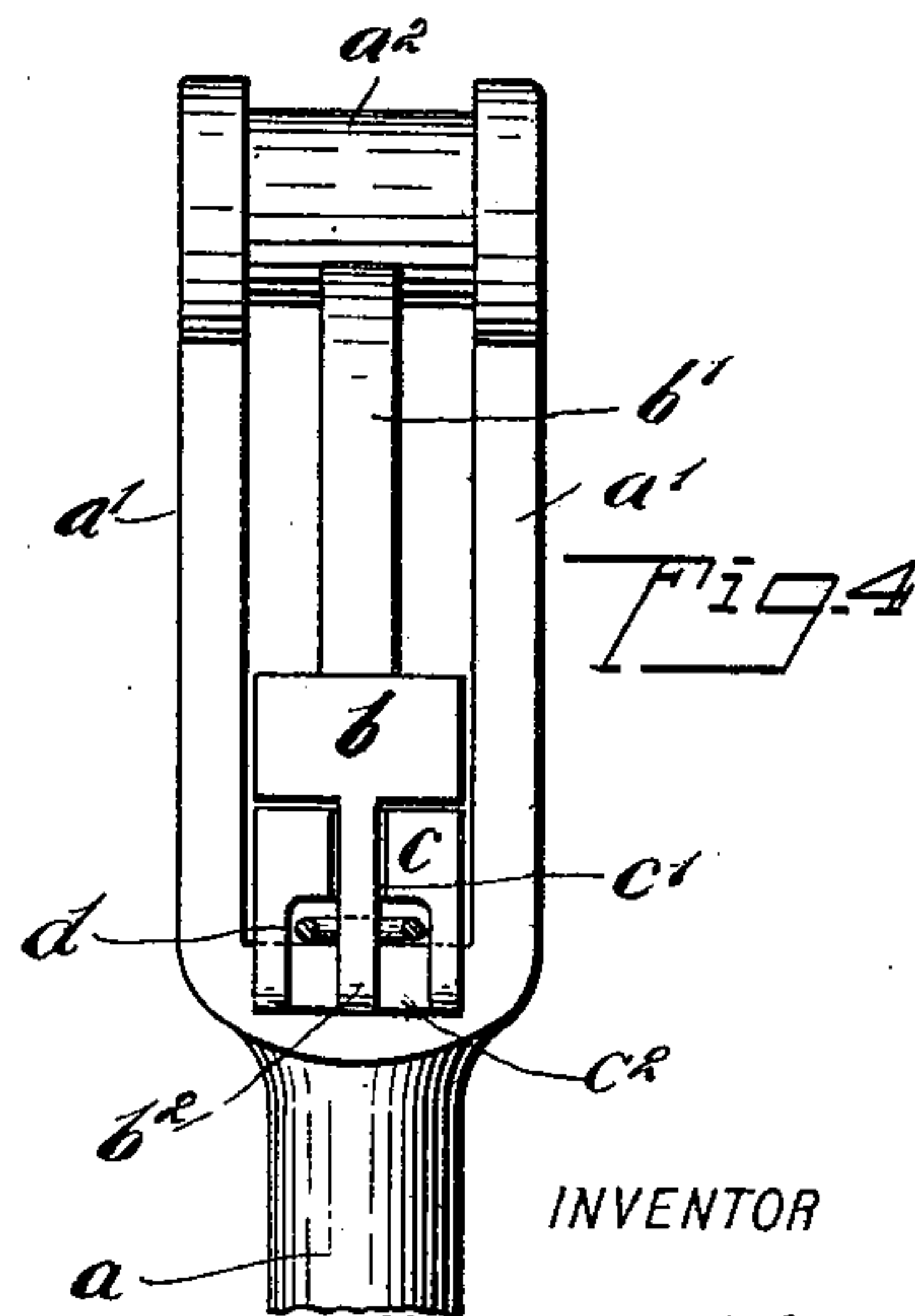
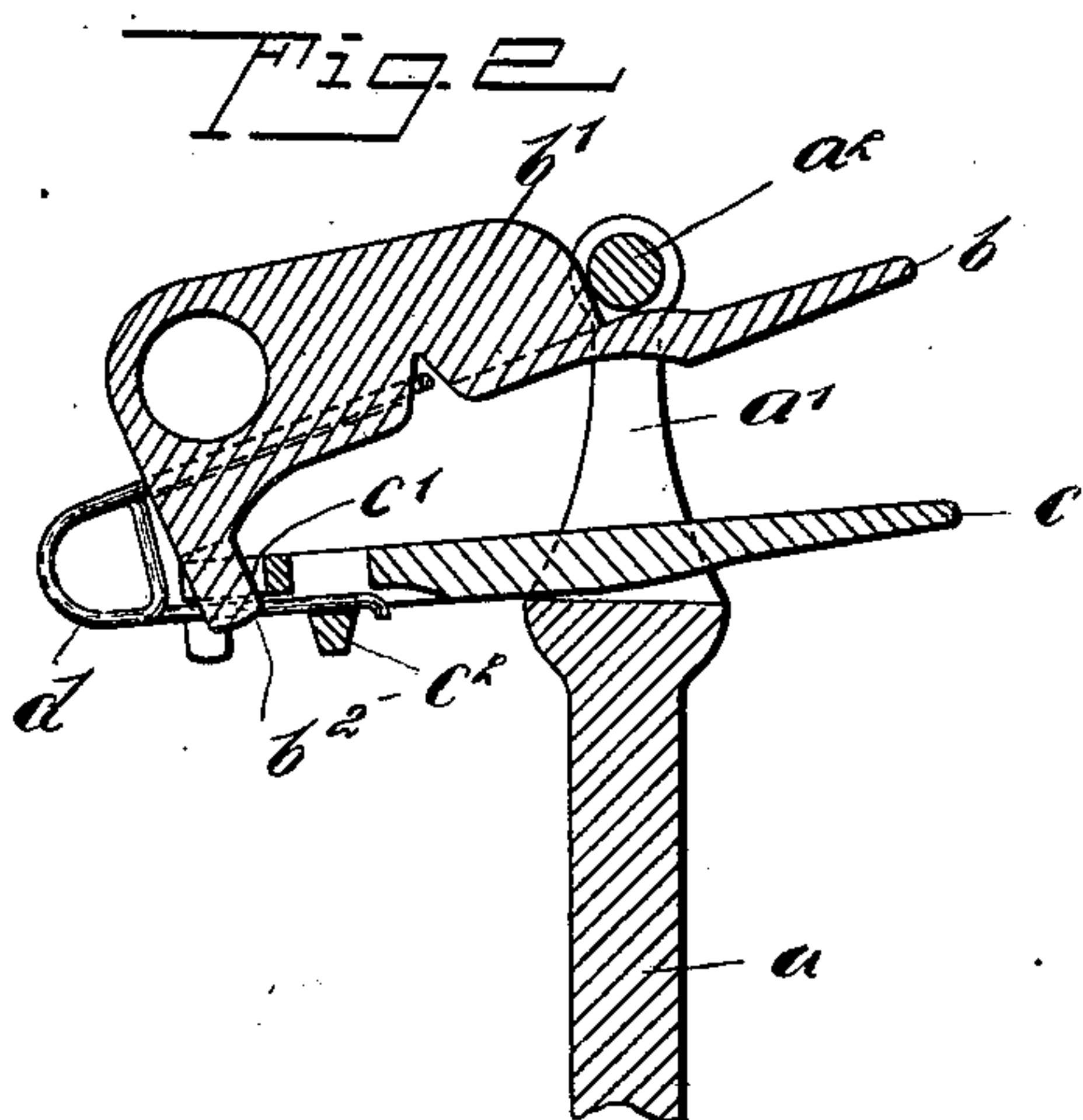
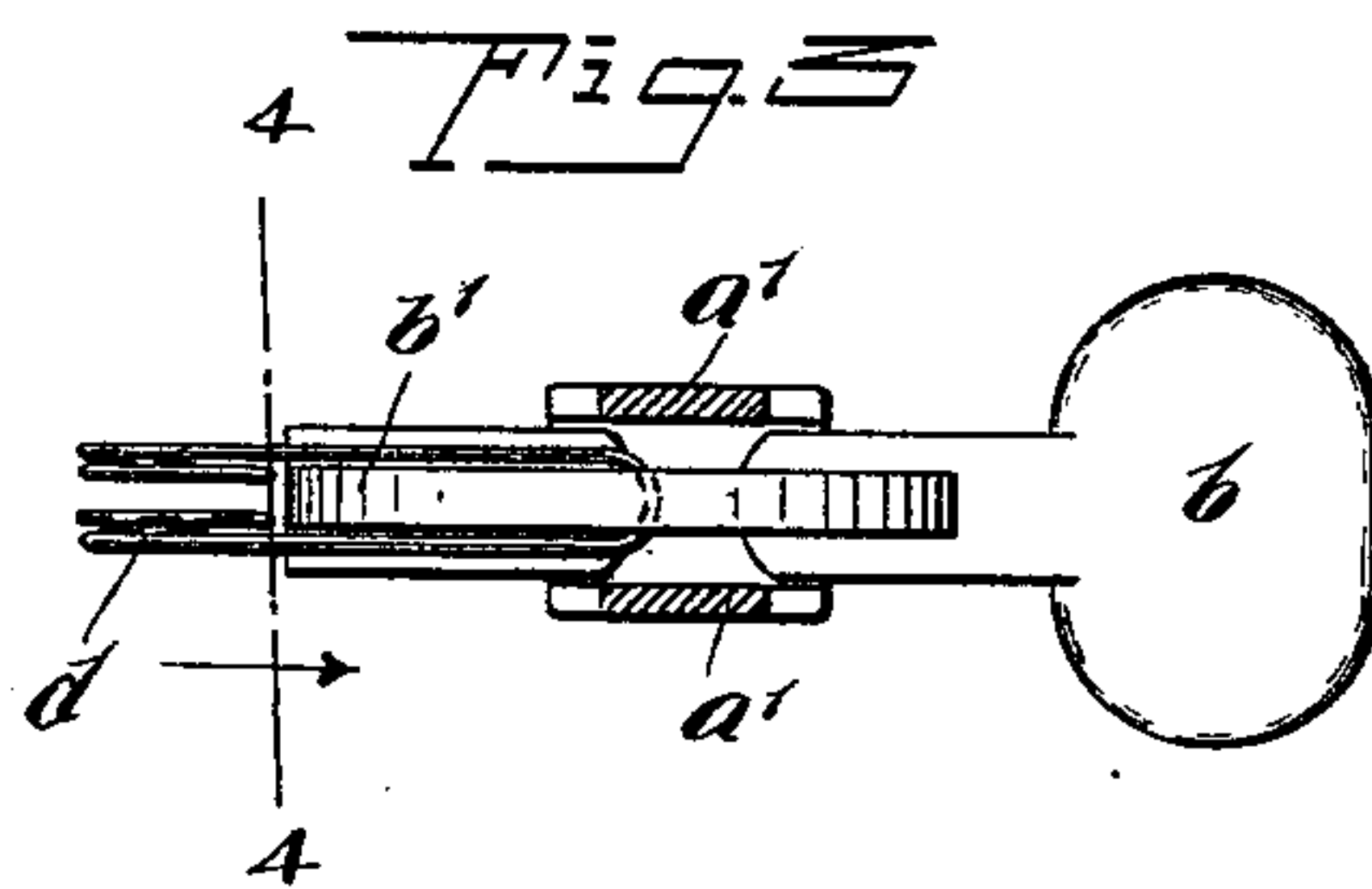
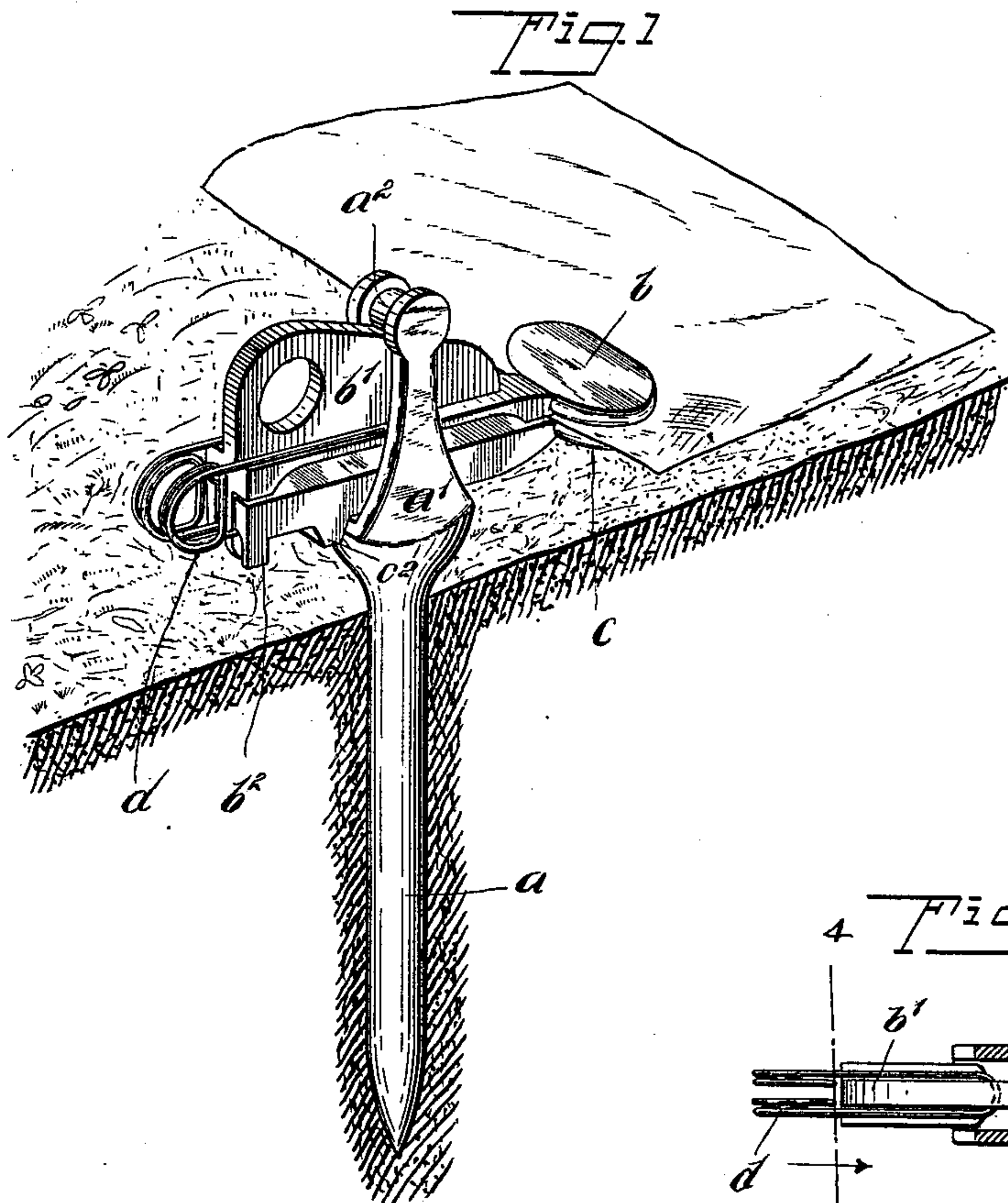


No. 675,195.

Patented May 28, 1901.

H. CLEMONS.
CLOTH HOLDING PIN.
(Application filed Dec. 5, 1900.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT - OFFICE.

HENRY CLEMONS, OF MORRISTOWN, MINNESOTA.

CLOTH-HOLDING PIN.

SPECIFICATION forming part of Letters Patent No. 675,195, dated May 28, 1901.

Application filed December 5, 1900. Serial No. 38,764. (No model.)

To all whom it may concern:

Be it known that I, HENRY CLEMONS, a citizen of the United States, and a resident of Morristown, in the county of Rice and State of Minnesota, have invented a new and Improved Cloth-Holding Pin, of which the following is a full, clear, and exact description.

This invention relates to a pin adapted to hold cloth spread on the ground to bleach the cloth in the sun, to which end the invention comprises a gripper for engaging the cloth and a pin carrying the gripper and adapted to be driven into the earth.

This specification is the disclosure of one form of the invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view showing the invention in use. Fig. 2 is a section of the gripper and the upper part of the pin. Fig. 3 is a plan view with the head of the pin in section; and Fig. 4 is a rear elevation with the spring in section on the line 4 4 of Fig. 3.

a represents the pin proper, the head of which has an opening formed therein by means of two cheek-pieces a' , connected at their upper ends by a stud a^2 , which may be either integral with or secured in the cheek-pieces.

The gripper comprises two jaws b and c , the shanks of which are fitted between the cheek-pieces a' . The shank of the jaw b has an inclined rib b' on its upper side, which is adapted to engage with the stud a^2 to hold the jaws in closed position, as shown in Fig. 1, in which position the jaws engage the cloth to hold it. The rear end of the shank of the jaw b has a downwardly-projected stud b^2 thereon, which fits into a recess c' , formed in the rear end of the shank of the jaw c , thus forming a hinged connection between the jaws, such connection preventing the jaws from relative lateral movement. The jaws are normally thrown apart by a spring d , one arm of which engages the shank of the jaw b and the other arm of which engages the shank of the jaw c , said latter arm being held by a cross-piece c^2 on the jaw c . The spring

has its intermediate portion coiled, as shown best in Fig. 2, and one side of this coil is flat and is located in close proximity to the rear ends of the jaws b and c . By this arrangement the jaws are moved about a center approximately coincident with the center around which the ends of the spring d swing, so that in the swinging movement of the ends or arms of the spring the rear ends of the shanks of the jaws are held practically together as though they were hinged, such ends not separating at any time, although the front ends of the jaws are widely separated from each other when the clamp is open, as shown in Fig. 2.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A cloth-holding pin, comprising a pin proper having an opening in the upper part thereof, two jaws fitted in the opening, one of the jaws having an inclined surface engaging one wall of the opening, for the purpose specified, and one of the jaws also having a stud fitted in the recess in the other jaw, and a spring located adjacent to said stud and serving to hold the jaws open.

2. A cloth-holding pin, comprising a pin proper with an opening therein, two jaws fitted in the opening, and a spring connecting the jaws and serving to throw them apart, the ends of the spring being respectively connected with the jaws, and the intermediate portion of the spring being coiled and one side of the coil being flat and located adjacent to the ends of the jaws, for the purpose specified.

3. The combination of a pin having an opening in its upper portion, and a gripper formed of two jaws having hinged connection with each other, one of the jaws having an inclined surface adapted to engage a wall of the opening in the pin, whereby to move the jaws into active position.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY CLEMONS.

Witnesses:

JAMES HUNTER,
S. M. WEST.