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1,881,663

LAMP CLAMP

Filed April 7, 1930

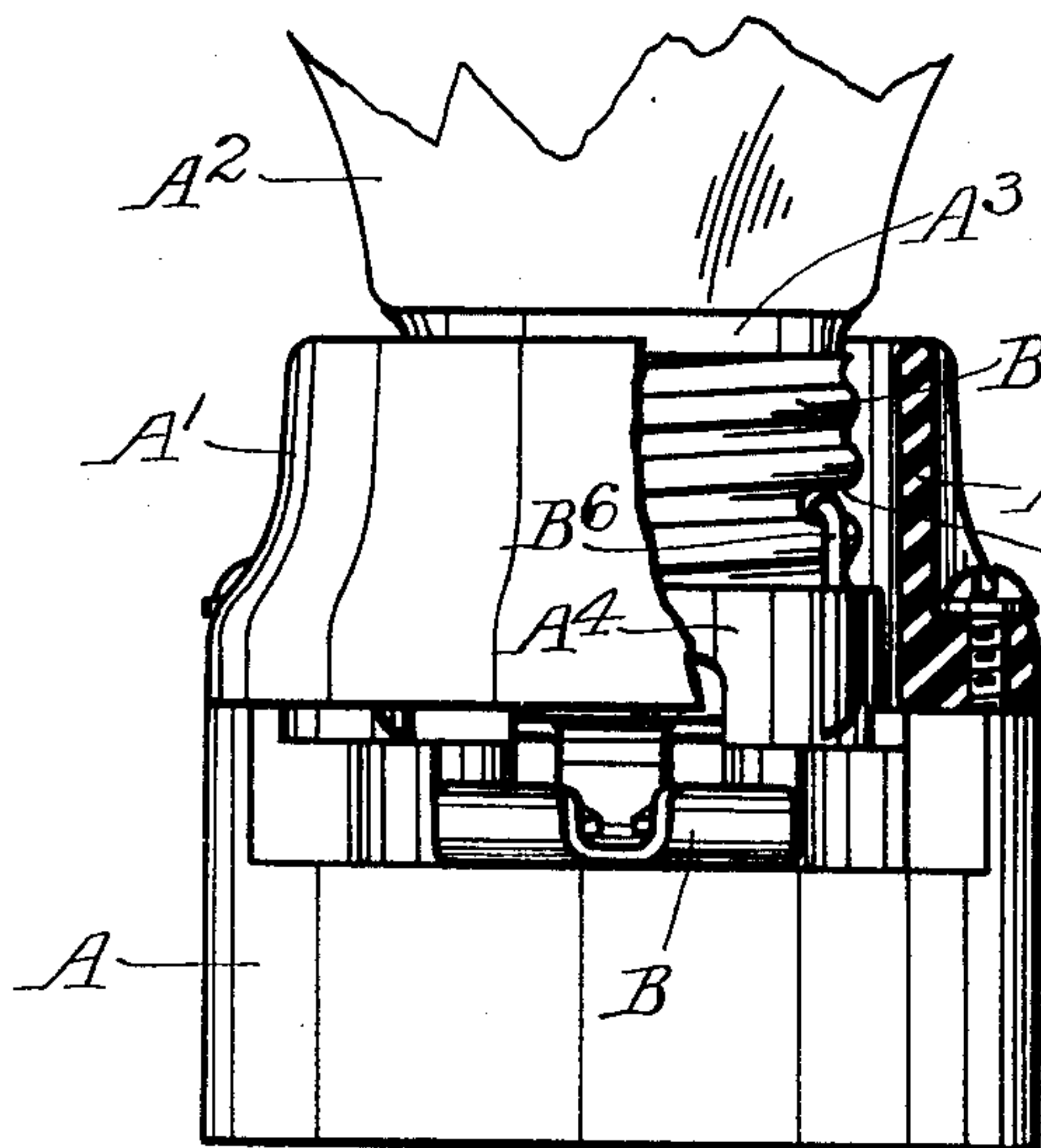


Fig. 1

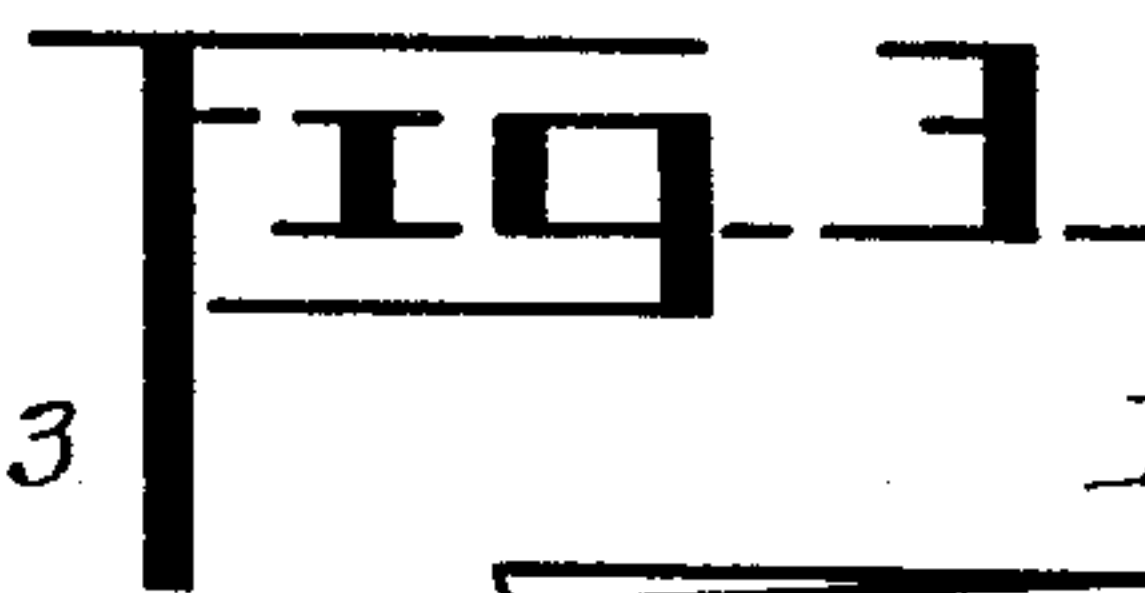
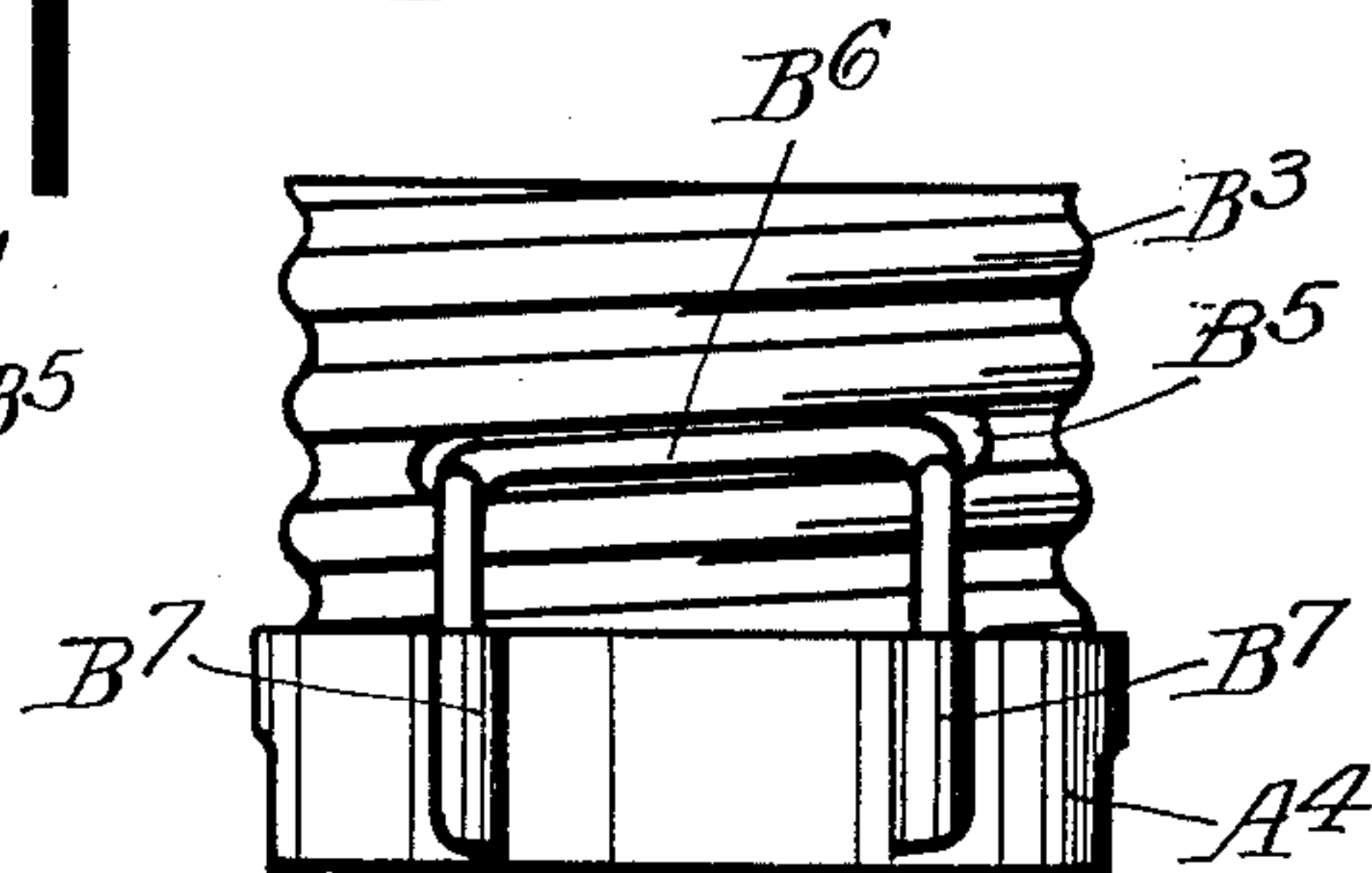


Fig. 4

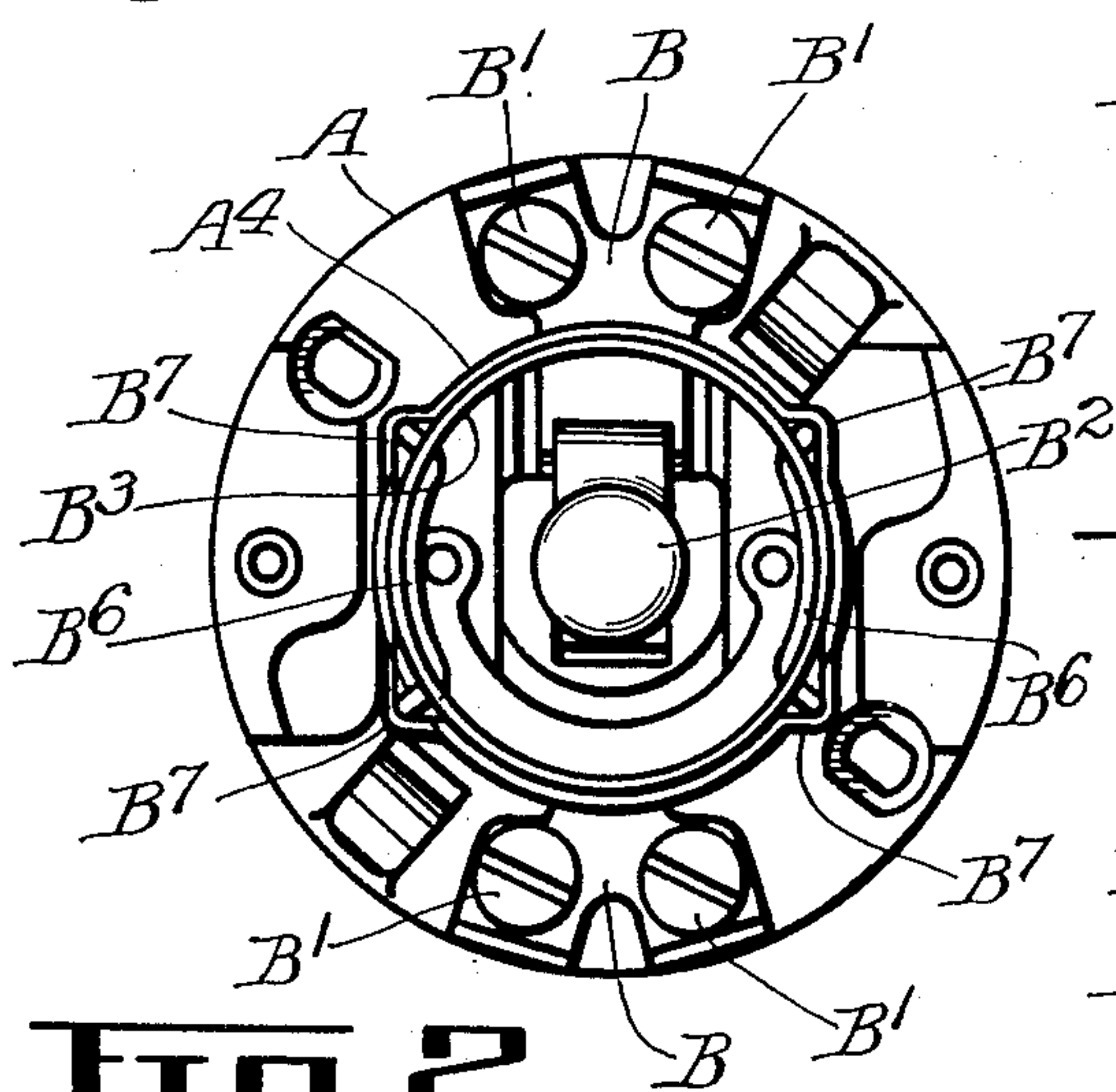


Fig. 2

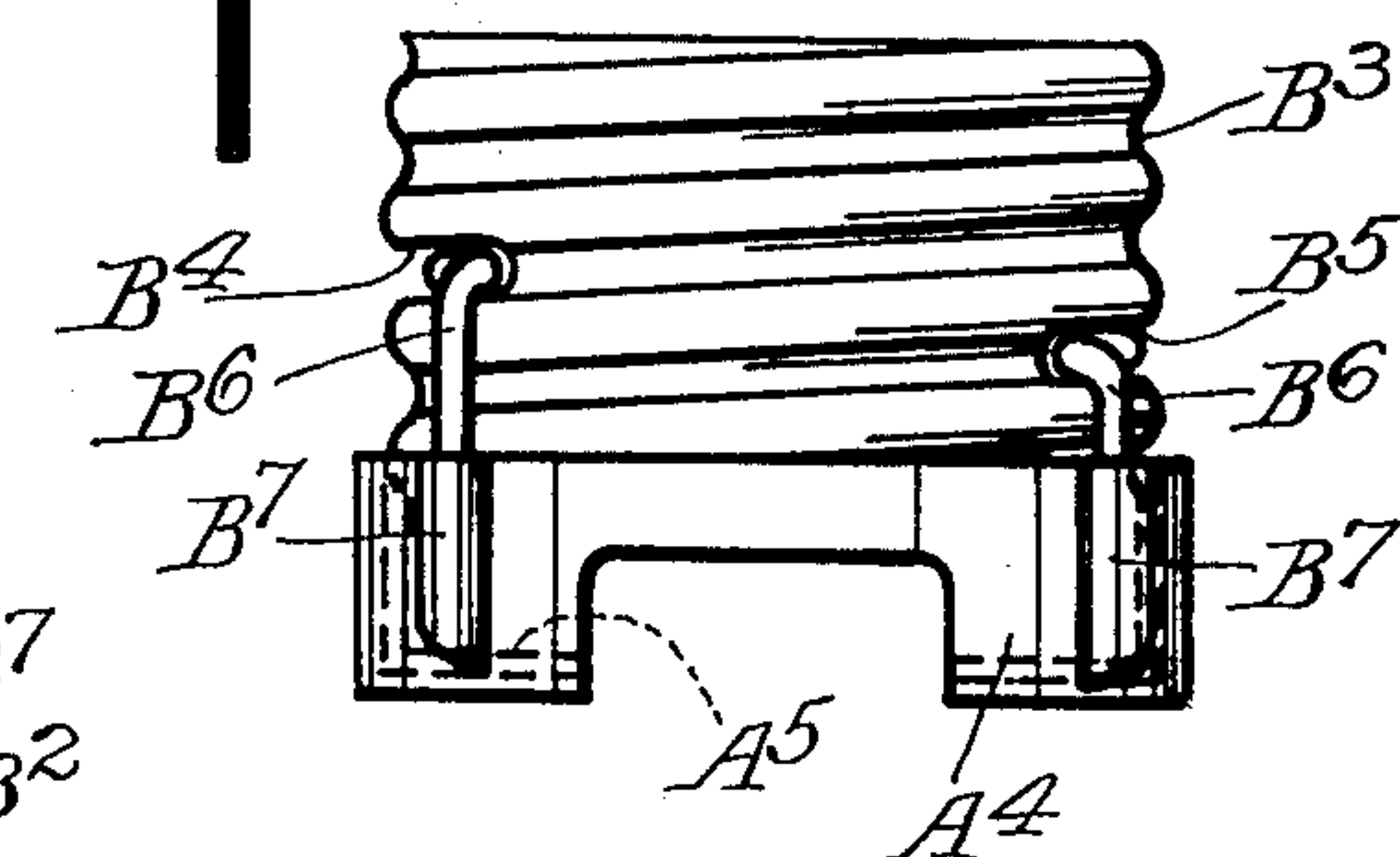
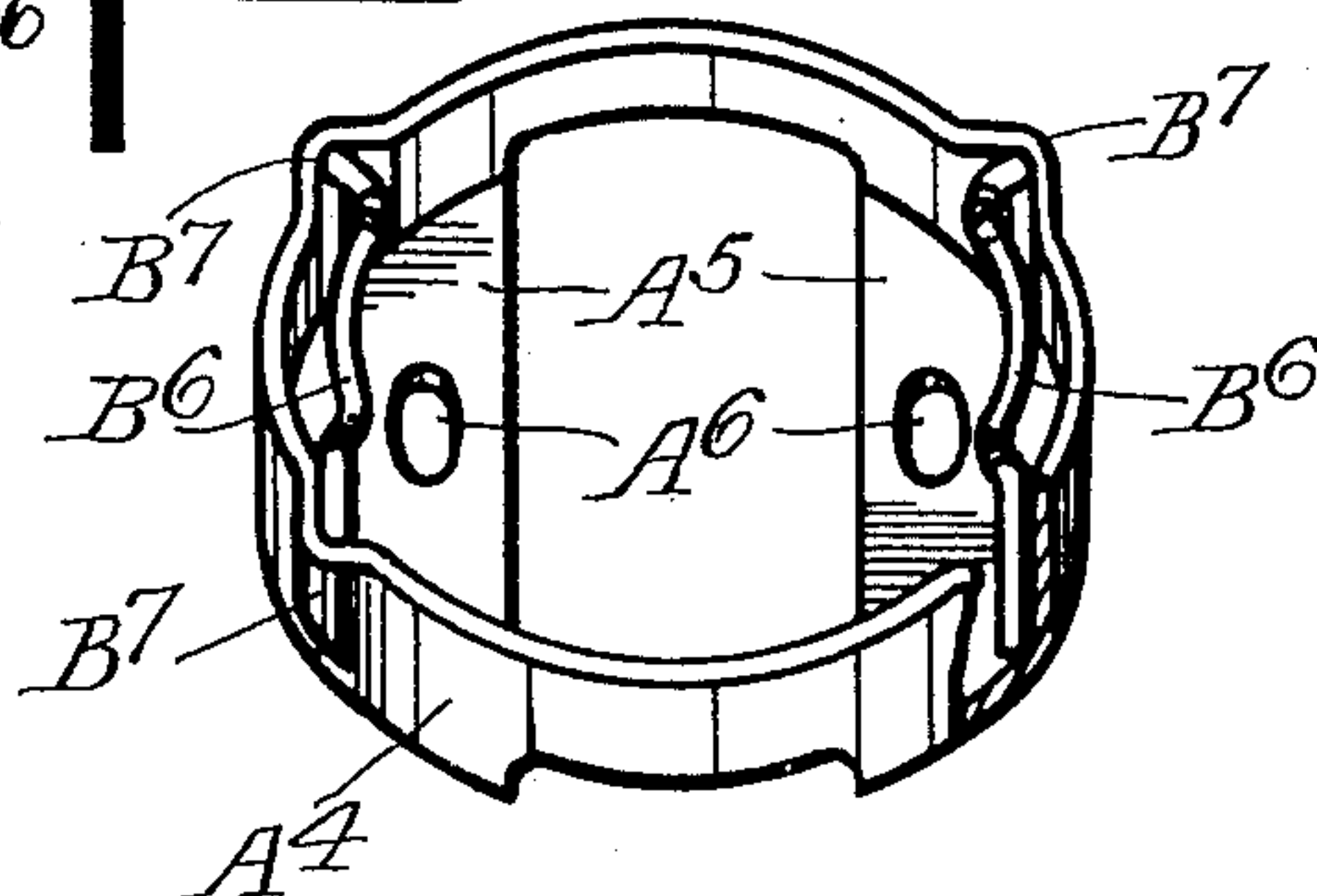


Fig. 5



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LAMP CLAMP

Application filed April 7, 1930. Serial No. 442,077.

My invention relates to improvements in lamp clamps and has for one object to provide a clamp for a screw base socket for electric lights and the like wherein means are provided for yieldingly holding the threaded lamp base against rotation to hold it in place.

Another object of my invention is to provide a spring clamp or lock to hold a threaded lamp base in its socket wherein a spring extends for an appreciable distance in a direction parallel with the threads on the base whereby the spring member may penetrate and engage the root circle. Other objects will appear from time to time throughout the specification and claims.

My invention is illustrated more or less diagrammatically in the accompanying drawing, wherein—

Figure 1 is a side elevation in part section of the socket;

Figure 2 is a plan view of the socket;

Figure 3 is a detail of the socket, a view being taken placed 90° from the position of Figure 1;

Figure 4 is a detail similar to Figure 3; this view being taken in the same direction as Figure 1;

Figure 5 is a perspective view of the spring support;

Like parts are indicated by like characters throughout the specification and drawing.

A is a supporting base or housing, A¹ an insulating ring encircling the housing and projecting thereabove. A² is an electric lamp bulb having a threaded base A³. A⁴ is a supporting collar flanged at the bottom as at A⁵ and perforated at A⁶ to be engaged by holding screws which lock this collar in position on the base A.

B B are terminal blocks on the base A having screw B¹ to engage conductors. One of these blocks is connected to the supporting ring A⁴, the other to a spring contact finger B² on the base substantially concentric with the member A⁴. B³ is a threaded socket sup-

ported on the member A⁴ in which the lamp is adapted to be screwed. This socket is slotted at B⁴ B⁵ on opposed sides thereof. Each of these slots is inclined to the horizontal and in line with the line of travel of the thread. B⁶ B⁶ are U-shaped spring clamping members, each end of the U being socketed in pockets B⁷ in the member A⁴, the central part of the U being bent inwardly and penetrating through the slots B⁴ B⁵ into the interior of the socket. These interiorly penetrating portions of the U springs B⁶ are curved as indicated in Figure 5 so as to conform generally to the curvature of the lamp base whereby when the lamp is screwed into the socket, it engages these springs and spreads them so that the springs are under tension and grip the lamp base to prevent rattling loose of the lamp.

I claim:

1. In combination, a threaded socket for electric lights and the like, a locking spring adapted to penetrate the socket and engage the threaded lamp base, the spring having an elongated bent arm disposed where it engages the base in line with the line of advance of the thread, the spring comprising a U-shaped structure, the two arms of the U being fixed in position, the central bent portion being the part which engages the lamp base.

2. In combination, a threaded socket for electric lights and the like, a locking spring adapted to penetrate the socket and engage the threaded lamp base, the spring having an elongated arm disposed where it engages the base in line with the line of advance of the thread, the spring comprising a U-shaped structure, the two arms of the U being fixed in position, the central portion being the part which engages the lamp base, such central portion being curved to conform to the contour of the base.

3. An electric light socket comprising a supporting member, a collar mounted there-

on, a threaded light base supported by the collar, the wall of the base being slotted, a U-shaped spring, the ends of the U being socketed on the collar, the central portion of the U penetrating the slot to engage an electric light base, the U where it engages the base being elongated and extending in line with the line of advance of the thread of the socket.

Signed at Chicago, county of Cook and State of Illinois, this 31st day of March 1930.
JOHN J. KENNEDY.