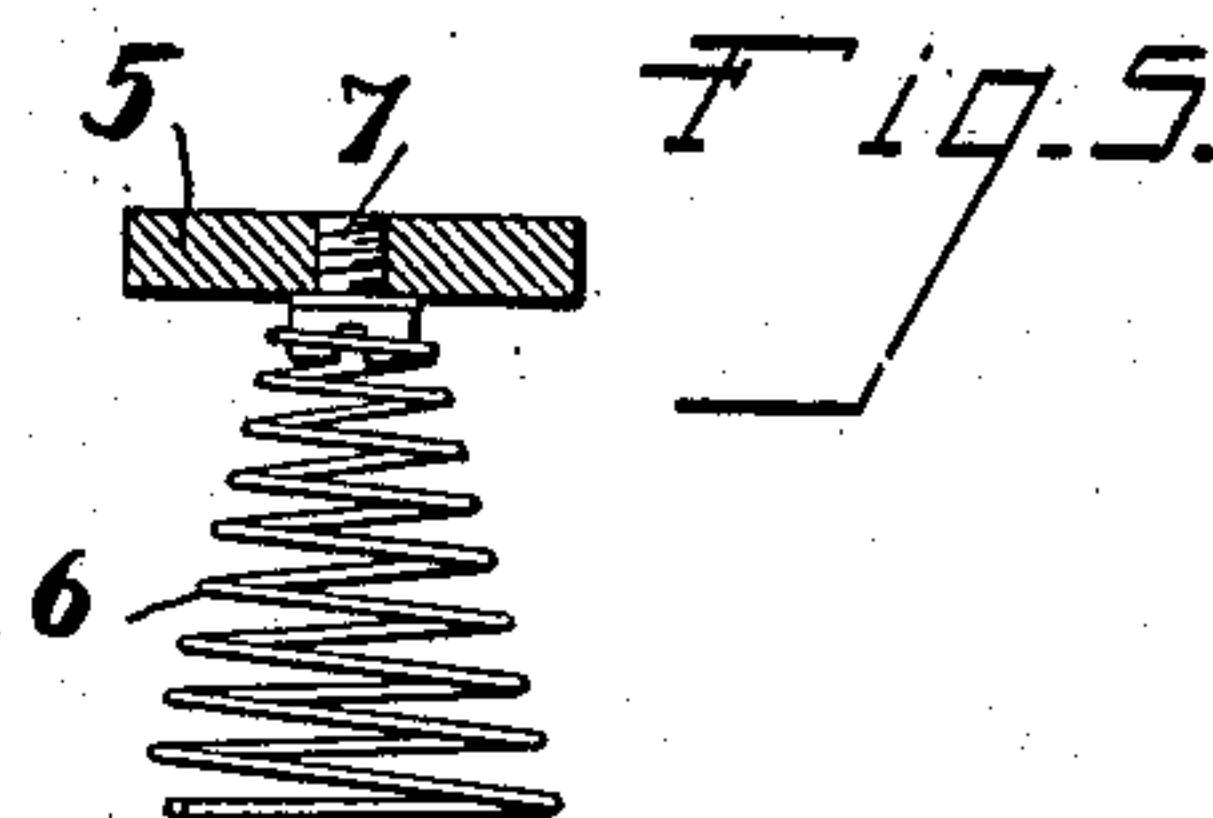
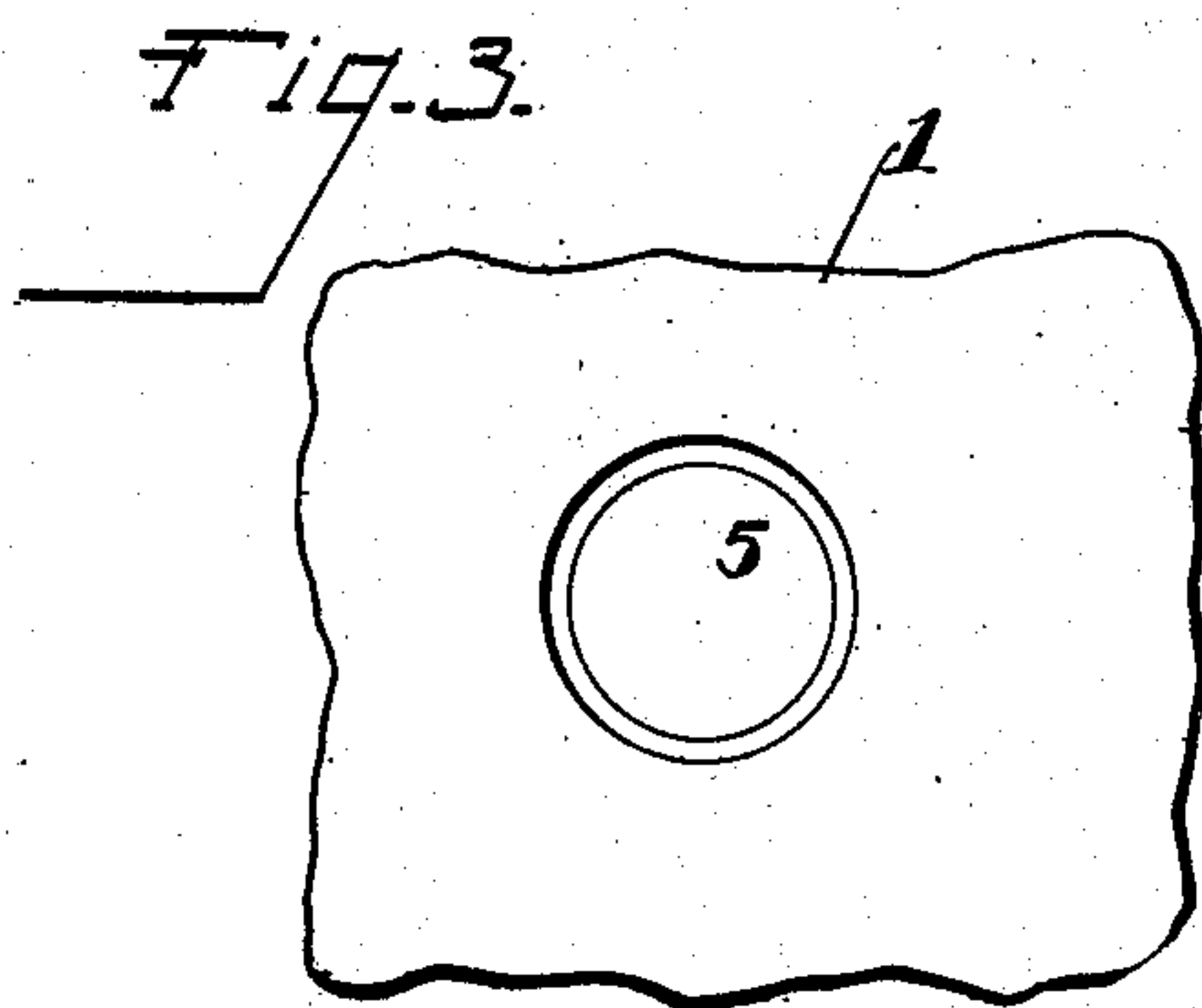
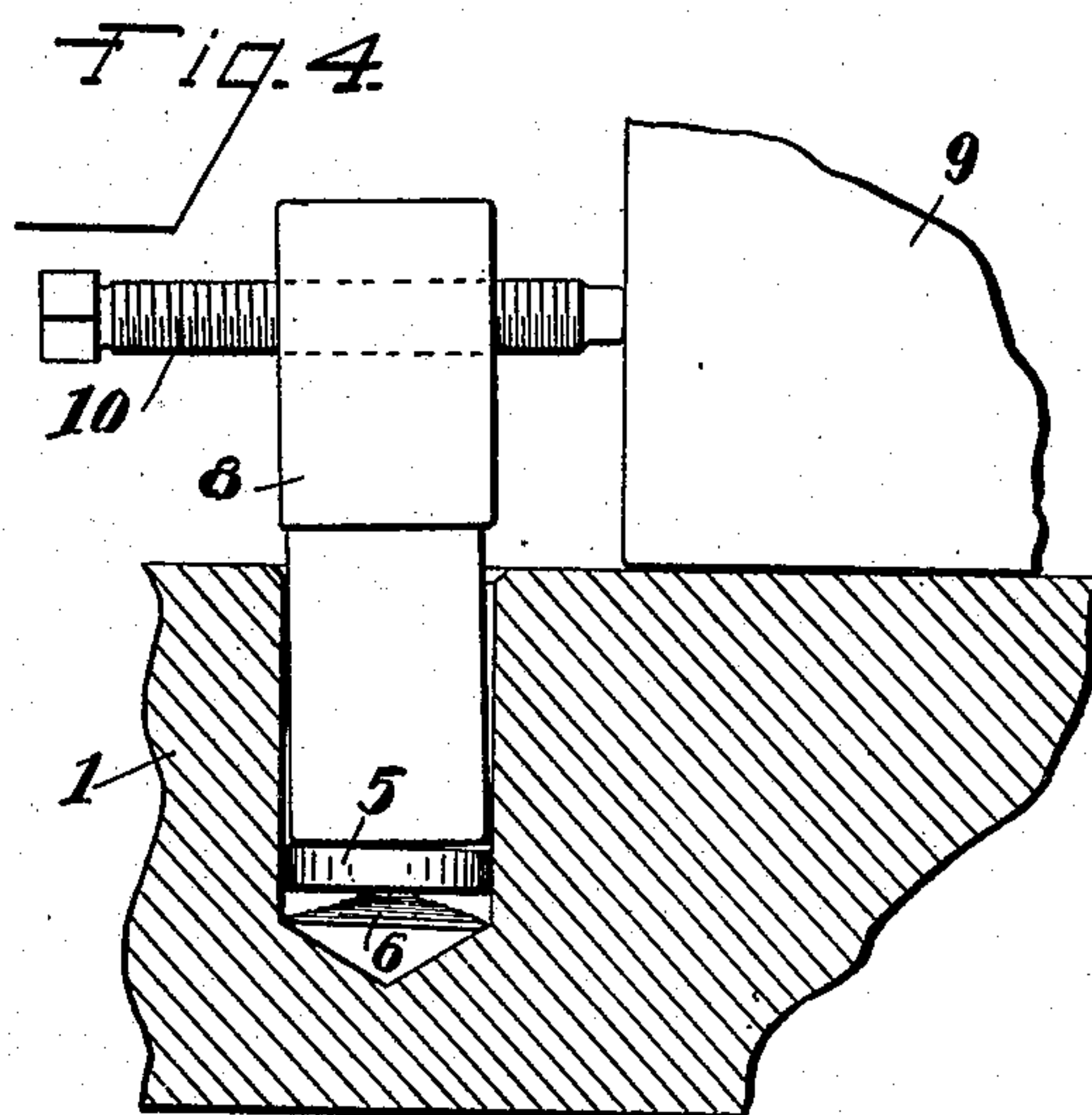
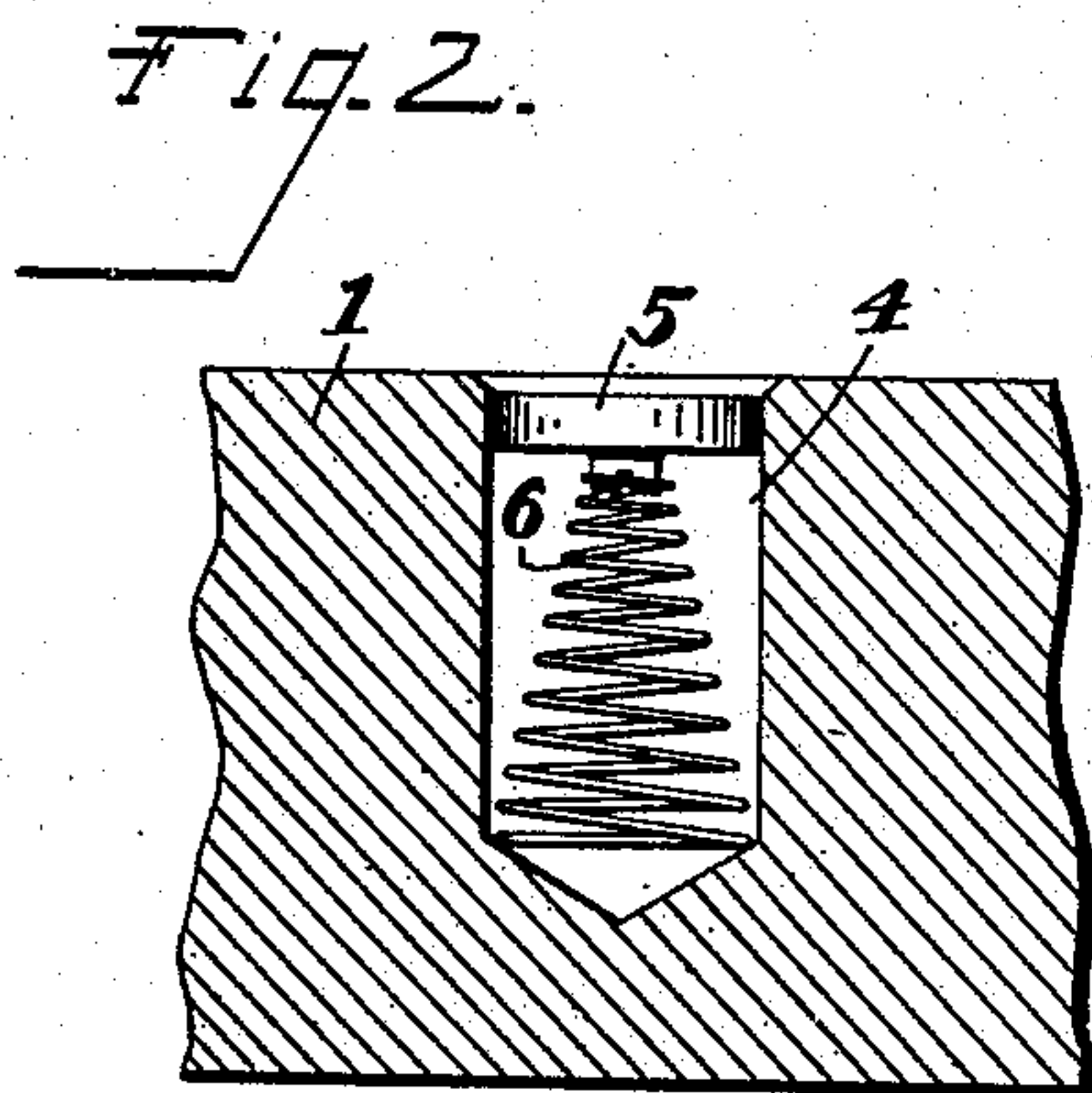
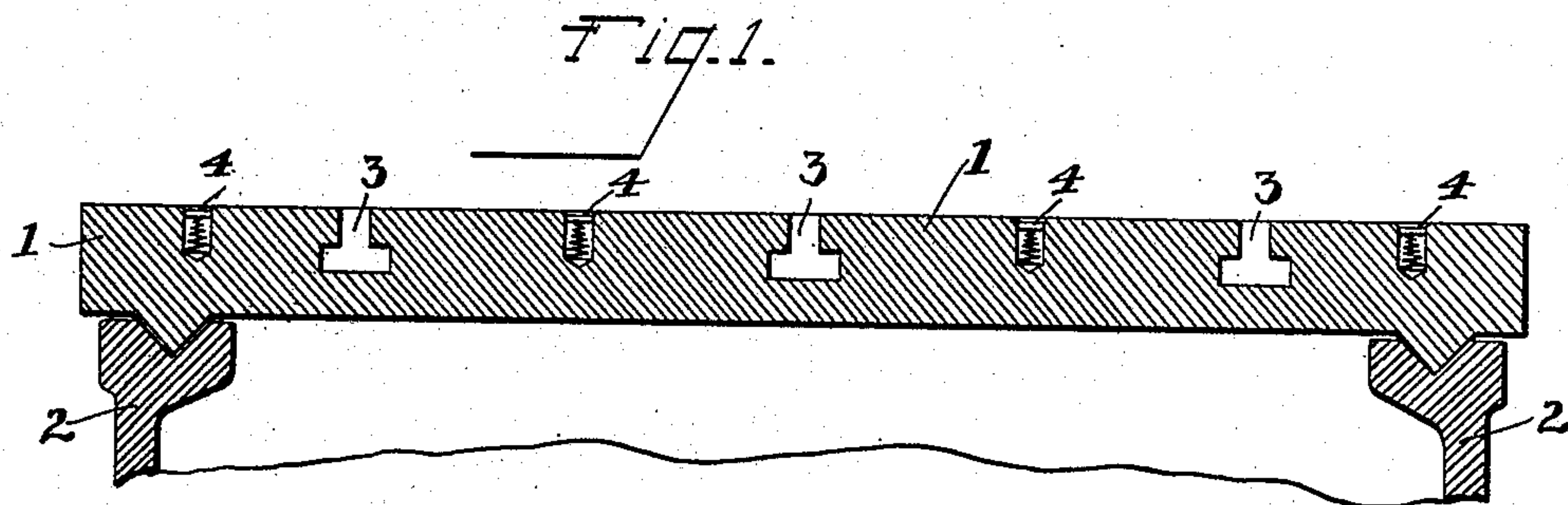


W. N. BAUER.  
SHIELD FOR THE POST HOLES IN PLANING MACHINE TABLES.  
APPLICATION FILED JUNE 5, 1908.

900,976.

Patented Oct. 13, 1908.



WITNESSES.  
Homer Bradford.  
Bessie G. Beall.

INVENTOR.  
William N. Bauer  
by Alfred M. Allen  
Att'y



# UNITED STATES PATENT OFFICE.

WILLIAM N. BAUER, OF CINCINNATI, OHIO.

## SHIELD FOR THE POST-HOLES IN PLANING-MACHINE TABLES.

No. 900,976.

Specification of Letters Patent.

Patented Oct. 13, 1908.

Application filed June 5, 1908. Serial No. 436,895.

*To all whom it may concern:*

Be it known that I, WILLIAM N. BAUER, a citizen of the United States, residing in Cincinnati, in the county of Hamilton and State of Ohio, have invented a certain novel and useful Shield for the Post-Holes in Planing-Machine Tables, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

The purpose of my invention is to provide a shield or guard to prevent the stop post holes in the bed plate of a planing machine from getting filled up with chips and dirt and to obviate the consequent labor, annoyance and waste of time necessary to dig out and clear away the dirt when the stop posts for the work are sought to be inserted in the holes drilled in the bed. At the same time I provide a shield or cover for the holes which, while preventing the accumulation of dirt in the holes, may also be easily depressed by the post so that the holes can be used as readily as if no cover was provided.

In the drawings Figure 1 is a cross section of the bed plate and a portion of the guide ways of a planing machine, with my shields in place. Fig. 2 is an enlarged vertical section of one of the holes with the shield in position. Fig. 3 is a plan view of same. Fig. 4 is a vertical section with a stop post inserted in the hole. Fig. 5 is a side elevation of one of the shields.

1 is the bed plate of a planing machine, and 2, 2, a portion of the guide ways, 3, 3, are the T-slots in the bed and 4, 4, are the holes drilled for the stop posts for holding the work in position on the bed. These holes are not drilled entirely through the bed where the chips and cuttings would be apt to drop through the bed into the gearing and operating mechanism, and ordinarily therefore, these holes when not in use fill up with dirt and the depth of the holes makes it difficult to clean them out. To prevent accumulation of dirt in the holes, I provide for each hole, a disk 5 of the diameter of the hole so

as to fit snugly. The disk is held normally at the edge of the reamed out portion of the hole by the coiled spring 6. The spring is secured at the center of the lower face of the disk by the screw 7, and the spring is seated in the base of the hole. The tension of the spring is just sufficient to hold the disk at the upper edge of the hole, but light enough to permit the weight of the stop post 8, to depress the disk to the base of the hole, when the post is inserted in the hole. Any tendency of the spring to raise the post is not of consequence, as the work 9, when braced against the set screw 10, of the post, holds the post in place. The disks are simply dropped in the holes with the spring down, and the spring holds the disk in position to prevent dirt from entering the hole. If for any reason it is sought to remove the shields they can be drawn up with a hand magnet.

As the coils of the spring are tapered from top to bottom, when the disk is depressed one coil will enter the other and the disk can be more readily depressed.

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

1. As a new article of manufacture a disk to fit the stop hole in a planing machine, with a spring attached to hold the disk at the upper edge of the hole and adapted to be compressed to permit the insertion of the stop post without removing the disk.

2. In a device of the character specified, in combination with the bed of a planing machine, provided with holes for stop posts, a disk to fit each hole snugly, with a spring attached thereto of a length when expanded to sustain the disk horizontally at the edge of the hole and adapted to be compressed to permit the insertion of the stop post without removing the disk.

WILLIAM N. BAUER.

Witnesses.

BESSIE A. BEALL,  
ARTHUR H. EWALD.