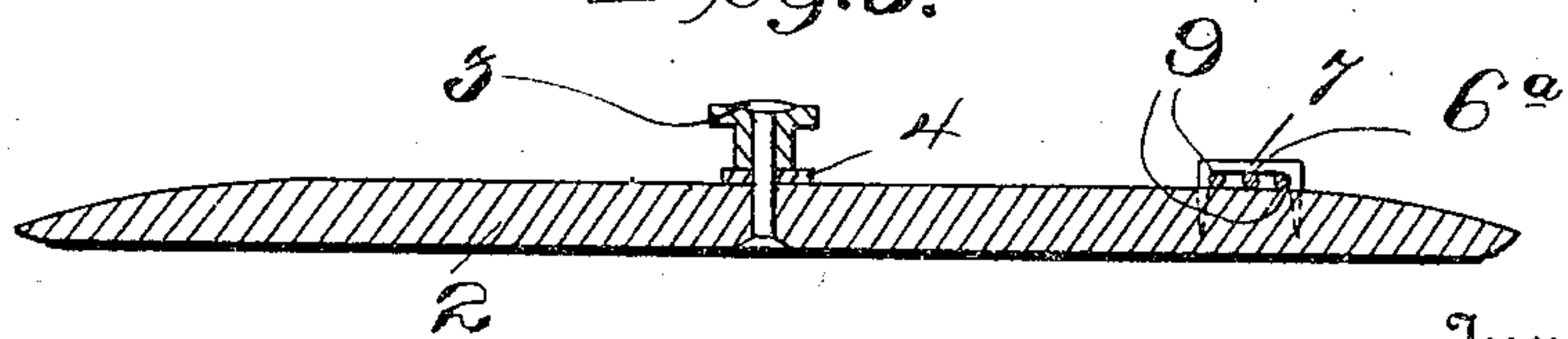
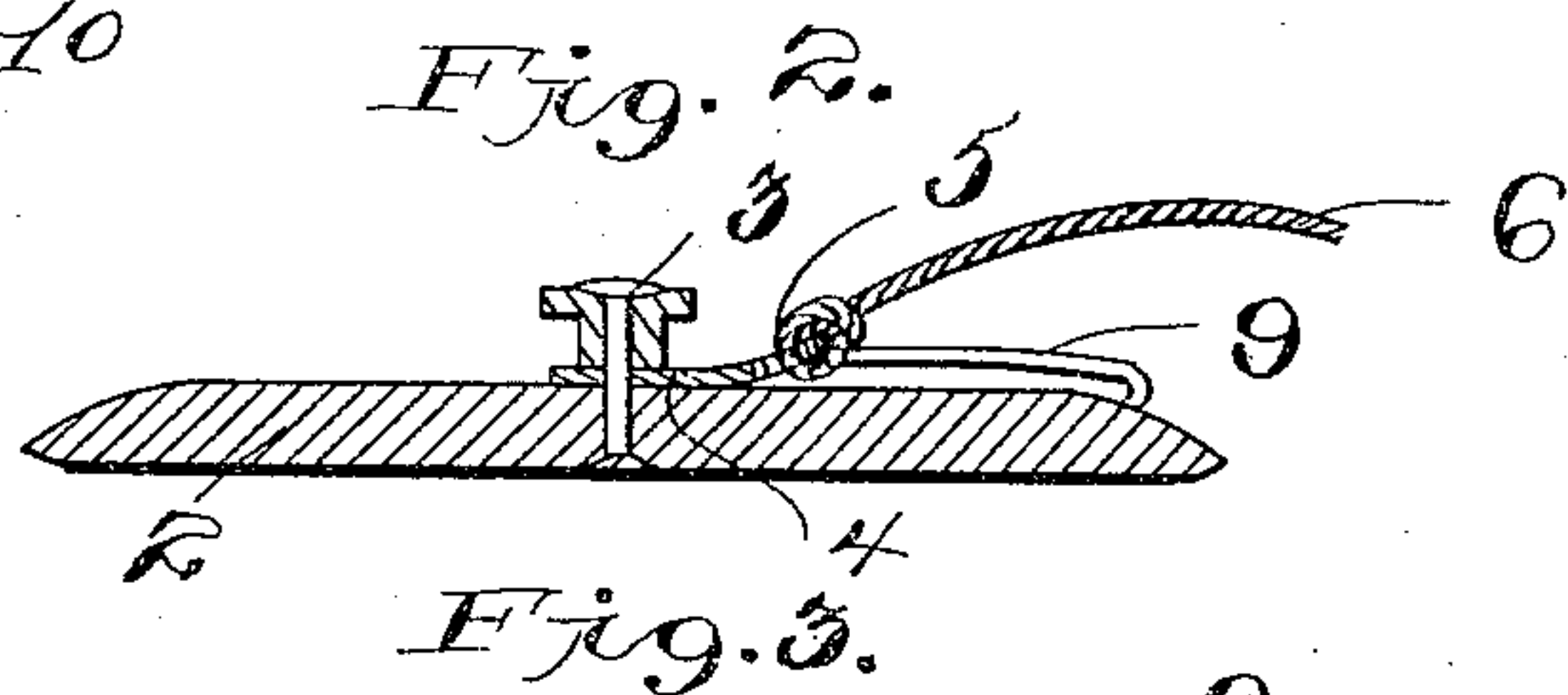
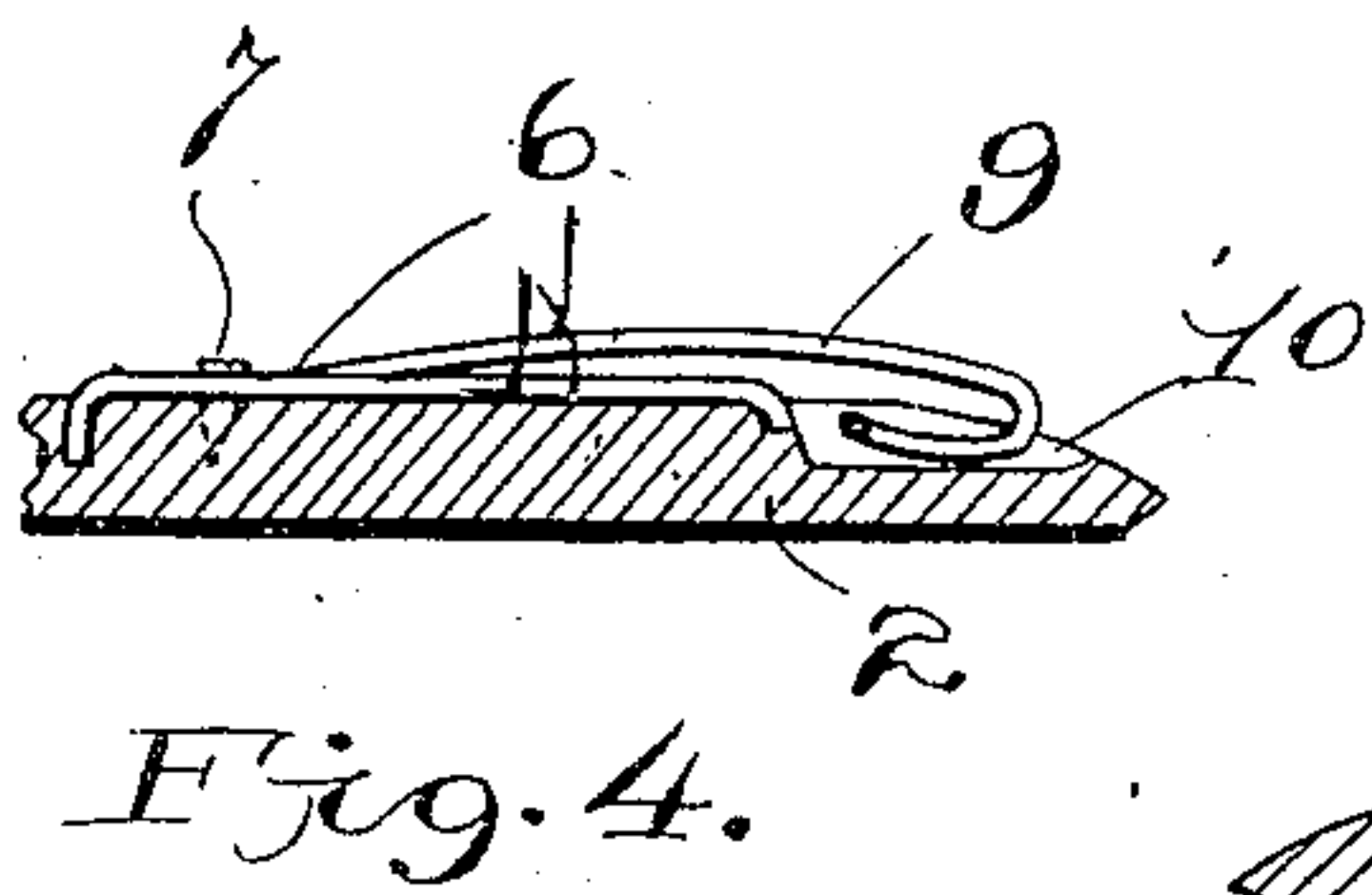
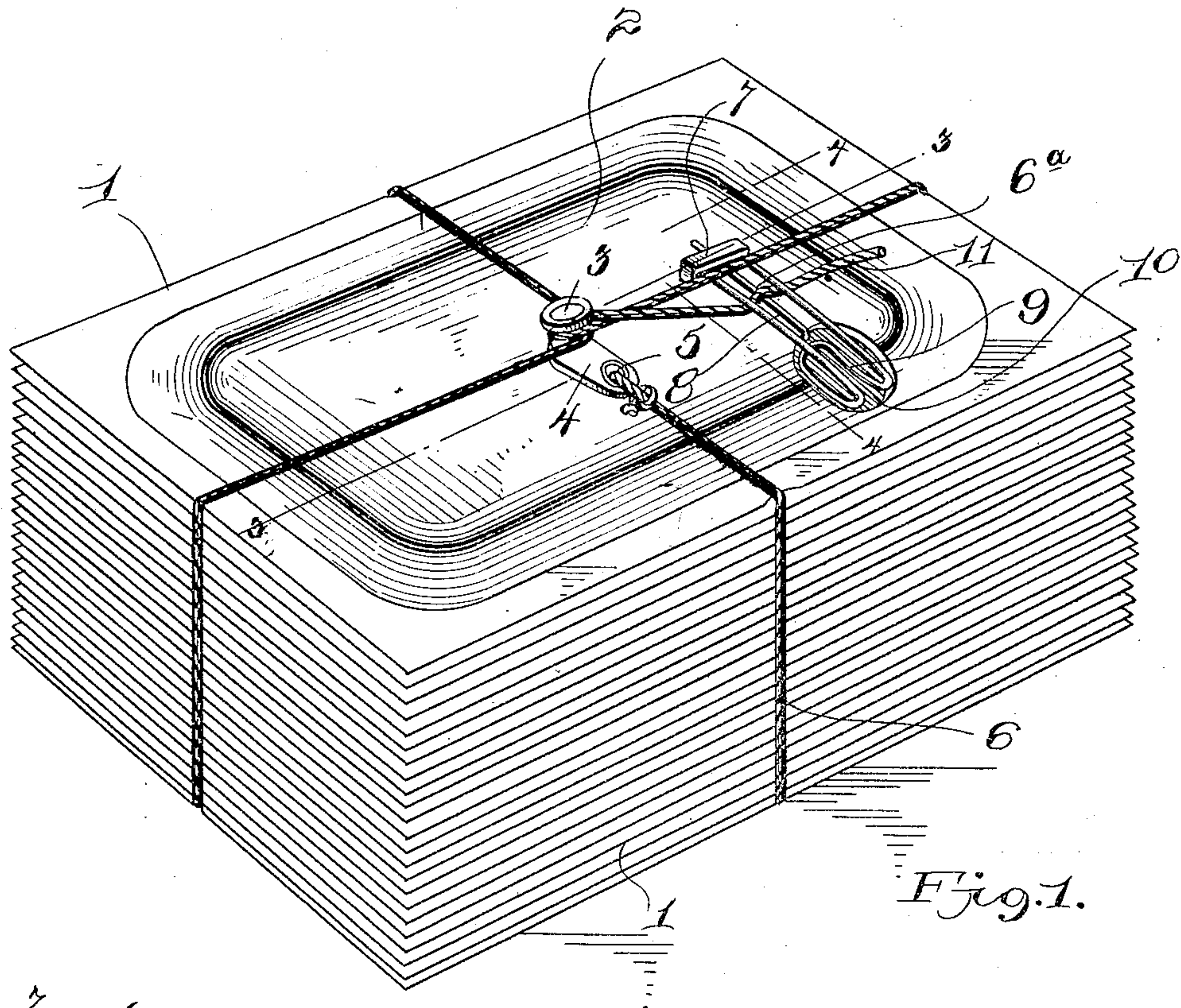


J. GREGORY.
BUNDLE TYING DEVICE.
APPLICATION FILED OCT. 4, 1909.

960,089.

Patented May 31, 1910.



Witnesses
J. W. R. L.
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By E. E. Vrooman,
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UNITED STATES PATENT OFFICE.

JOSEPH GREGORY, OF WASHINGTON, MISSOURI, ASSIGNOR OF ONE-THIRD TO JOHN ISBELL AND ONE-THIRD TO JESSE H. SCHAPER, BOTH OF WASHINGTON, MISSOURI.

BUNDLE-TYING DEVICE.

960,089.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed October 4, 1909. Serial No. 520,781.

To all whom it may concern:

Be it known that I, JOSEPH GREGORY, a citizen of the United States, residing at Washington, in the county of Franklin and State of Missouri, have invented certain new and useful Improvements in Bundle-Tying Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to bundle tying devices and has for its object the production of a bundle tying device which is simple in construction, efficient in operation and consists of a comparatively small number of 15 parts.

Another object of this invention is the production of a spring clasp or hook for receiving the free end of a cord adapted to be used in connection with the tying device.

20 With these and other objects in view this invention consists of certain novel constructions, combinations and arrangements of parts as will be hereinafter fully described and claimed.

25 In the drawings: Figure 1 is a perspective view of the device. Fig. 2 is a transverse section of the device. Fig. 3 is a section taken on line 3—3 of Fig. 1. Fig. 4 is a section taken on the line 4—4 of Fig. 1.

30 Referring to the drawings by numerals (1) designates a package of letters which are bound together when assorted for convenient handling and in order to hold the letters in their bunched position I apply my improved tying device which comprises a 35 board (2) having a post (3) centrally arranged thereon. The post (3) is substantially spool-shaped, as shown in Figs. 2 and 3. A link member (4) is secured to the board (2) by means of the post (3) and said link member is provided near one end with an eye or aperture (5). The aperture (5) is adapted to receive an end of the cord (6) which is adapted to pass around the bundle 45 or package of letters for securing the same firmly together.

50 A hook (6^a) is carried by the upper surface of the board (2) and is formed preferably from wire having its ends connected or secured to the board (2) by means of a staple (7). A tongue member (8) is also secured to the top of the board (2) intermediate the sides of the hook by means of the staple (7) and said tongue member (8)

terminates short of the under folded end 55 (9) of the hook (6).

The board (2) is provided near one side thereof with a notched portion (10) in which is adapted to rest the hooked portion (9) of the hook (6^a). By having the 60 hooked portion (9) positioned within a notched portion (10) it will be obvious that the end (11) of the string (6) will not be allowed to become accidentally detached from the hook. 65

When it is desired to remove the end (11) of the string (6) from the hook (6^a) the free end of the string is drawn to the free end of the hook and thence underneath, back to the other end of said hook when the 70 string will be released.

When it is desired to tie a bundle of letters together the board (2) is placed upon the top of the bundle and the string or cord (6) is passed around transversely of the 75 bundle and wound around the post (3) and is then passed around the bundle lengthwise of the same and brought back to the post (3) where it is again twisted around the post and the free end of the same is fastened 80 under the hook.

It will be obvious that when the cord is secured as shown in Fig. 1, that the same cannot be detached therefrom, without raising the folded portion 9 out of the notch 10, 85 or in other words above the level of the tongue-portion 6^a. Otherwise the cord would be directed between the folded portion 9 and the body portion of the hook, and would not be freed from the hook. 90

What I claim is:

1. A device of the class described, comprising a plate, a post centrally arranged thereon, said post adapted to have one end of a cord secured thereto, said plate provided with a notch formed upon the upper surface thereof, a hook formed from a single piece of wire carried thereby and provided with a folded end adapted to normally hang within said notch, means engaging the end of said hook for securing the same to said plate, a tongue secured at one end to said plate by means of said mentioned securing means and extending to said notch, for preventing the accidental removal of a 105 cord adapted to be secured thereby.

2. A device of the class described, comprising a plate, means for attaching a cord

thereto carried by said plate, said plate provided with a notch formed upon one side thereof, a hook fixedly secured at one end to said plate, said hook provided with a
5 folded portion, said folded portion opening inwardly and adapted to normally fit within said notch portion, said hook adapted to clamp the cord between the inner face of the plate and the body of the hook, and said
10 folded portion adapted to prevent the re-

moval of the cord from the hook when the folded portion is placed within said notch formed in said plate.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

JOSEPH GREGORY.

Witnesses:

JESSE H. SCHAPER,
AUGUST LAUMANN.