

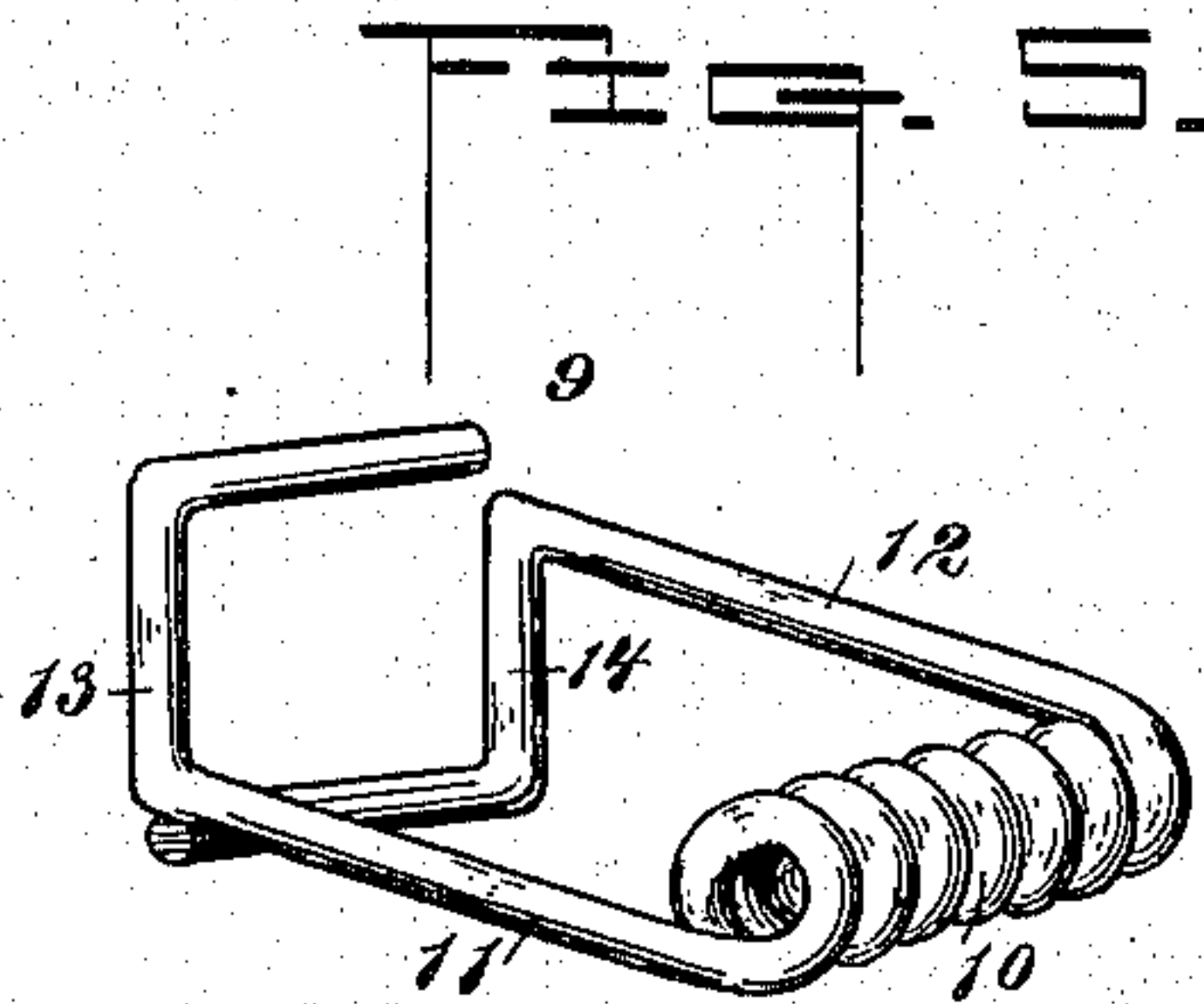
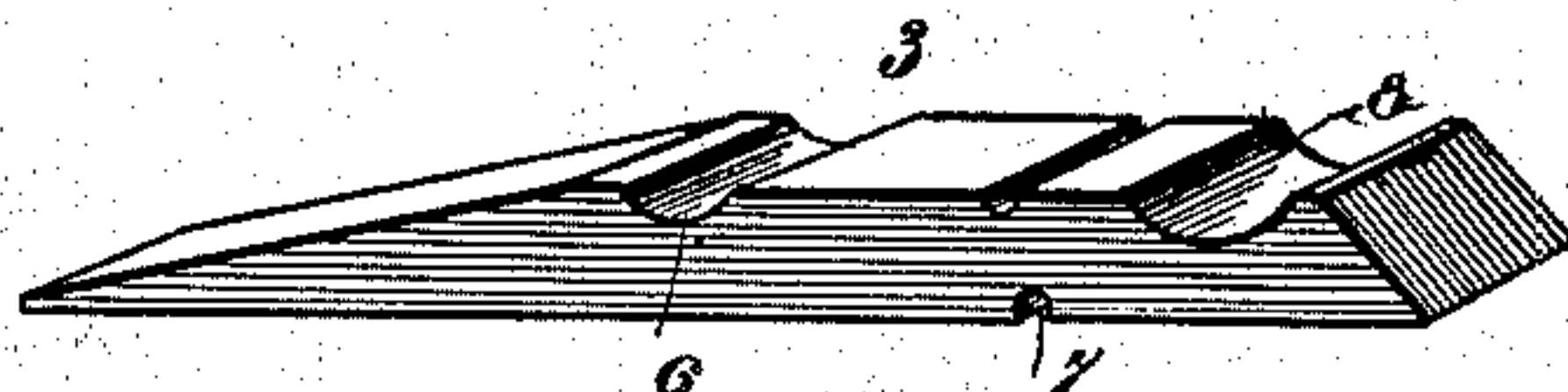
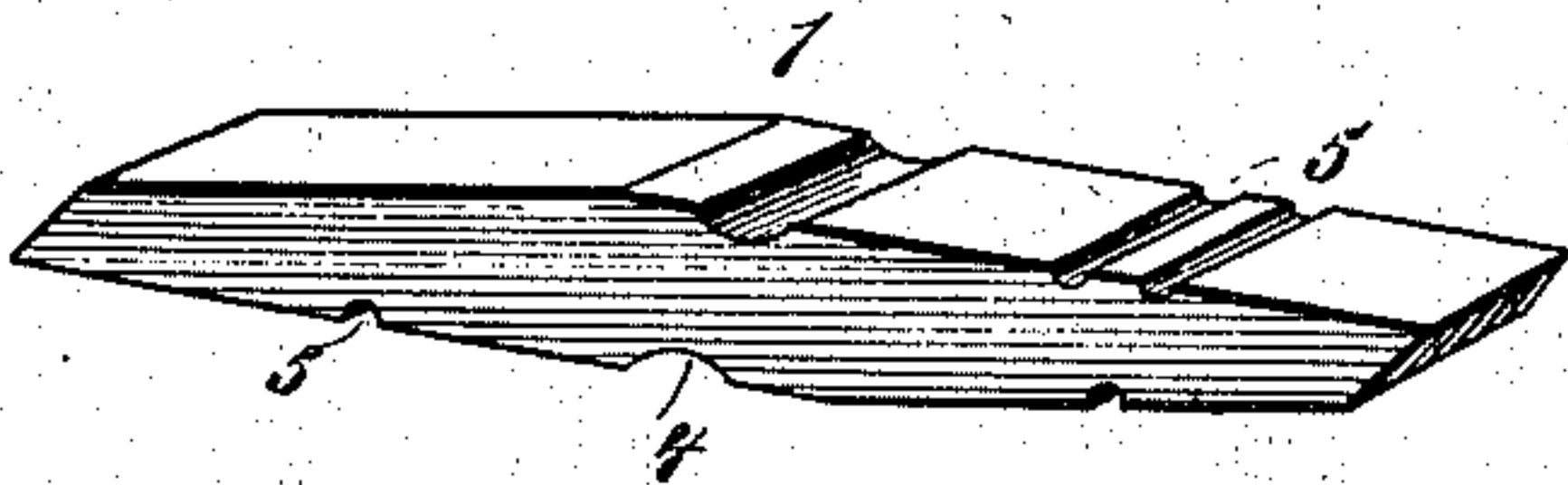
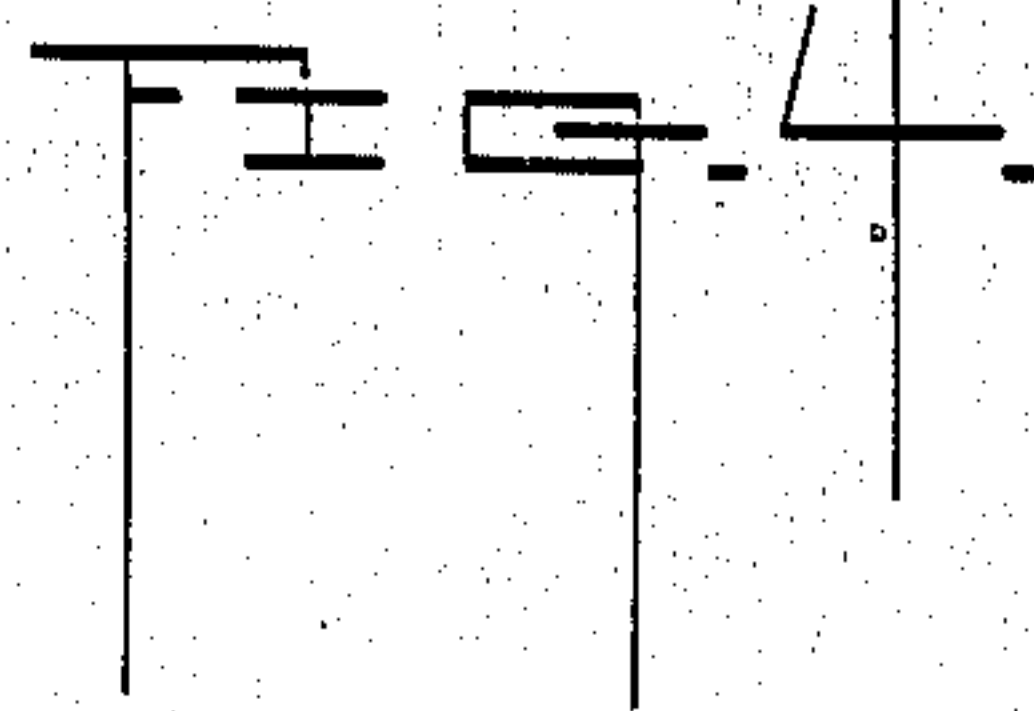
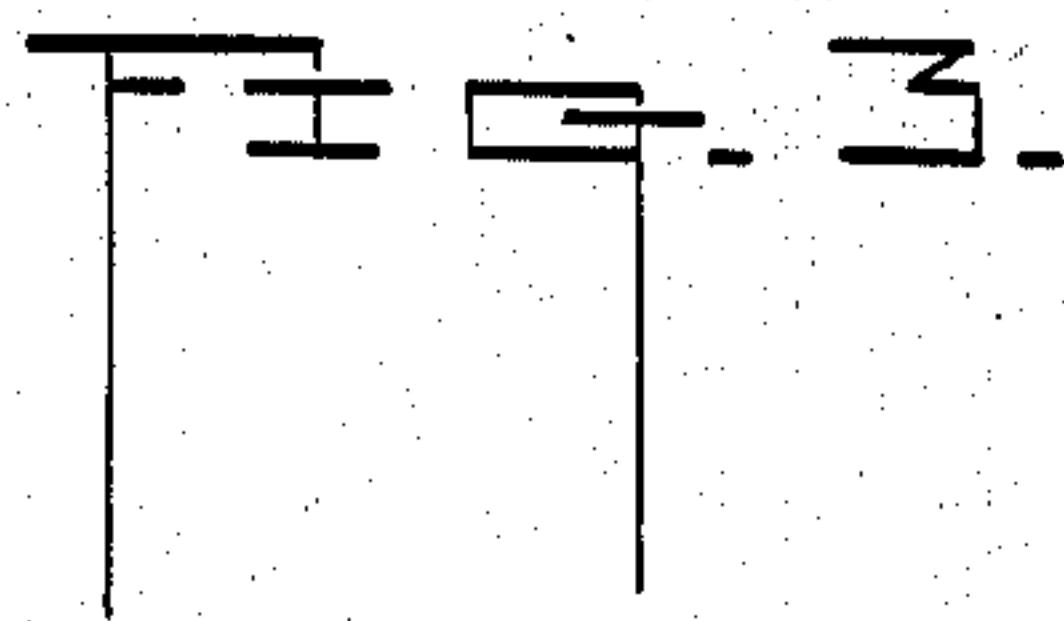
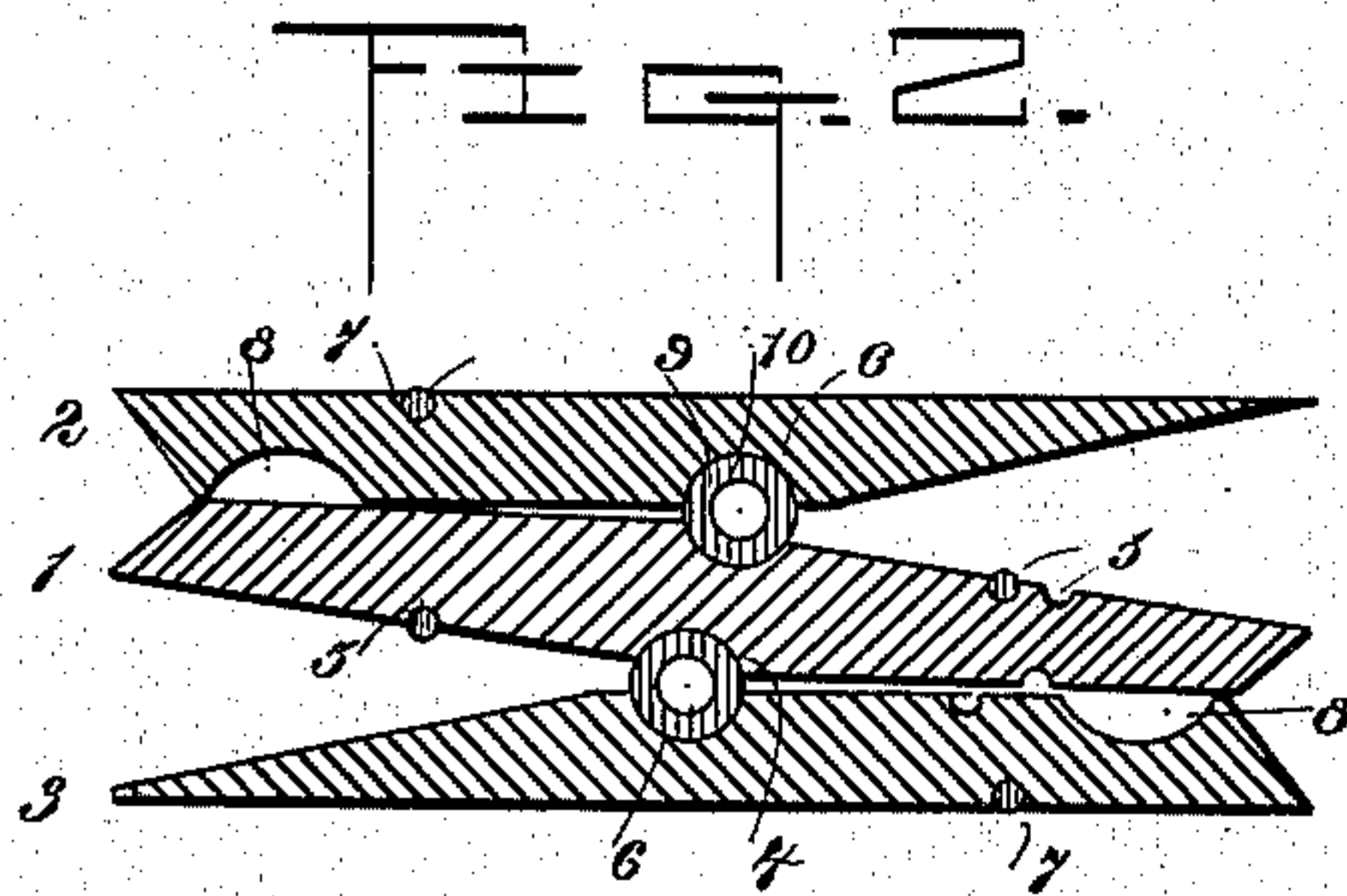
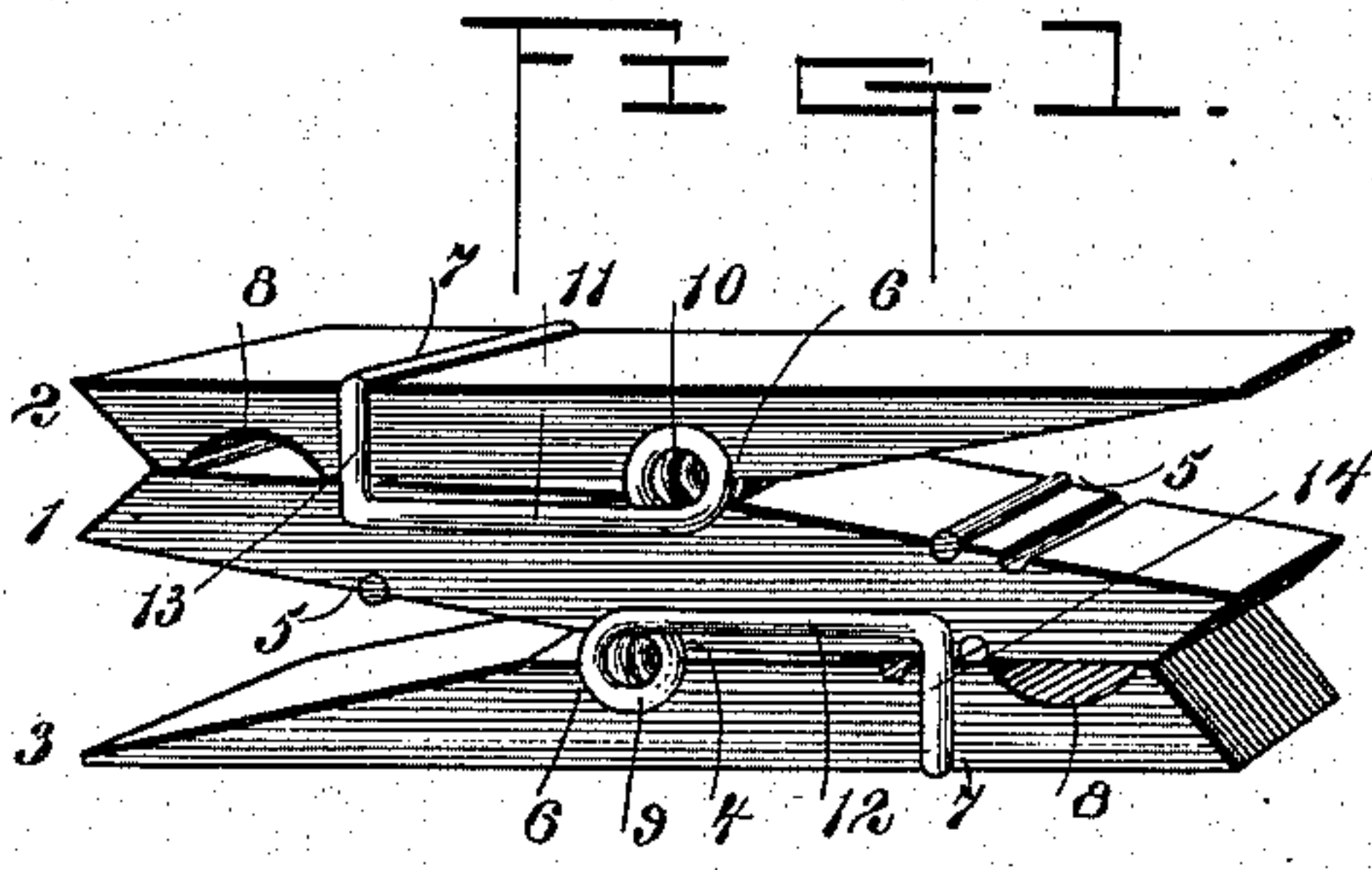
No. 609,198.

Patented Aug. 16, 1898.

F. S. GRAVES.
CLOTHES PIN.

(Application filed Jan. 25, 1897.)

(No Model.)



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FREDERICK S. GRAVES, OF HANCOCK, MAINE.

CLOTHES-PIN.

SPECIFICATION forming part of Letters Patent No. 609,198, dated August 16, 1898.

Application filed January 25, 1897. Serial No. 620,621. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK S. GRAVES, a citizen of the United States, residing at North Hancock, in the county of Hancock and State of Maine, have invented certain new and useful Improvements in Clothes-Pins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to clothes-pins, the object of the same being to provide a simple and cheaply-constructed device of this character, which is formed with two engaging ends.

The invention consists of a double-end clothes-pin made up of three separate and distinct bars of wood, metal, or other suitable material, the central bar having oppositely-disposed sockets or recesses and laterally-extending grooves or indentations on the sides thereof, parallel with said sockets, and the outer bars having sockets on their inner faces and laterally-disposed recesses on their outer faces, with the inner surface of the engaging ends of said bars covered with corrugated rubber, metal, or other suitable material. In connection with the three bars referred to I employ two coiled springs, the coils of each fitting within the respective sockets in the central and outer bars and the outwardly-extending arms on the ends of said coils fitting around the opposite sides of the central and outer bars, respectively, and fitting within the grooves in said bars.

The invention also consists in other details of construction and combinations of parts, which will be hereinafter more fully described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view of a clothes-pin constructed according to my invention. Fig. 2 is a longitudinal section through the same. Fig. 3 is a detail perspective view of the central bar. Fig. 4 is a similar view of one of the outer bars. Fig. 5 is a perspective view of one of the springs employed.

Like reference-numerals indicate like parts in the different views.

My improved clothes-pin is made up of three separate bars 1, 2, and 3, the central bar 1 having oppositely-disposed laterally-extending

sockets or recesses 4 4 therein. It is also formed with laterally-extending grooves or indentations 5, which lie parallel to the sockets 4 and are located at points between said sockets and the outer ends of said bar. The said central bar 1 is further formed with flat engaging ends. The outer bars 2 and 3 are identical, but when in place have the engaging ends thereof located at opposite ends of the bar 1. Each of the bars 2 and 3 is formed with a socket 6, which lies directly opposite one of the sockets 4 in the bar 1 and also has a laterally-extending groove 7 in its outer surface at a point adjacent to its engaging end. Said engaging end is grooved on its inner surface and is covered with corrugated rubber, metal, or other suitable material, as clearly shown at 8. Acting in engagement with the parts just referred to are two springs 9 9, each formed with a coil 10, which fits within the sockets 4 and 6 of the respective bars 1 and 2 and 1 and 3, and with laterally-extending arms 11 12 at each end. The arm 11 is bent upwardly and outwardly, as shown at 13, and fits within the groove 7 in the bar 2 or 3, and the arm 12 is bent downwardly and outwardly, as shown at 14, and fits within one of the grooves 5 in the bar 1. When in place, as described, the bars 1, 2, and 3 are held in close contact with each other and cannot become accidentally separated.

In using the device the pin is attached to the clothes-line by separating the bar 2 or 3 from the central bar 1 and inserting said line between these two bars. The article of clothing which is to be suspended from the line is attached thereto between the bar 3 or 2 and said central bar 1.

The device is extremely simple in construction, can be cheaply made, and by use of the same the pin may be held at all times on the clothes-line. Danger of becoming mislaid and lost is thereby obviated, and the danger of tearing the clothes, which is brought about by attaching the same directly to the line, is overcome.

By reason of the fact that the outer engaging ends of the central bar 1 are formed flat and the inner surfaces of the engaging ends of the bars 2 and 3 are formed with grooves 8 8 provision is made for the attachment of the pin to the clothes-line and of the clothes

to the pin, which will effectually prevent slipping. If both of the engaging ends of the central bar 1 were grooved to correspond with the engaging ends of the bars 2 and 3, curved
5 surfaces would be formed of substantially the same shape as the clothes-line and the grip of the pin upon the line would be materially decreased. By making one engaging end flat, however, and the other curved a bite upon the
10 line or upon the clothes is obtained, which prevents accidental slipping.

While my invention has been described as a clothes-pin, it is obvious that I may use it as a bill-file, if so desired.

15 Having now described the invention, what I claim as new, and desire to secure by Letters Patent, is—

In a clothes-pin of the character described,

the combination with the two outer bars, formed with semicircular grooves in the inner 20 faces at opposite ends, and formed in the outer faces or sides with transverse grooves, and in their inner sides formed with central transverse sockets, of the intermediate beveled strip formed with central sockets in opposite 25 sides, and the transverse grooves near the ends, and the springs each formed with a coil and with lateral arms at each end, substantially as described.

In testimony whereof I have signed this 30 specification in the presence of two subscribing witnesses.

FREDERICK S. GRAVES.

Witnesses:

S. J. LANE,
VINAL MCCALED.