

No. 850,841.

PATENTED APR. 16, 1907.

D. LEMOINE.
PICKER STICK ATTACHMENT FOR LOOMS.
APPLICATION FILED MAR. 11, 1904.

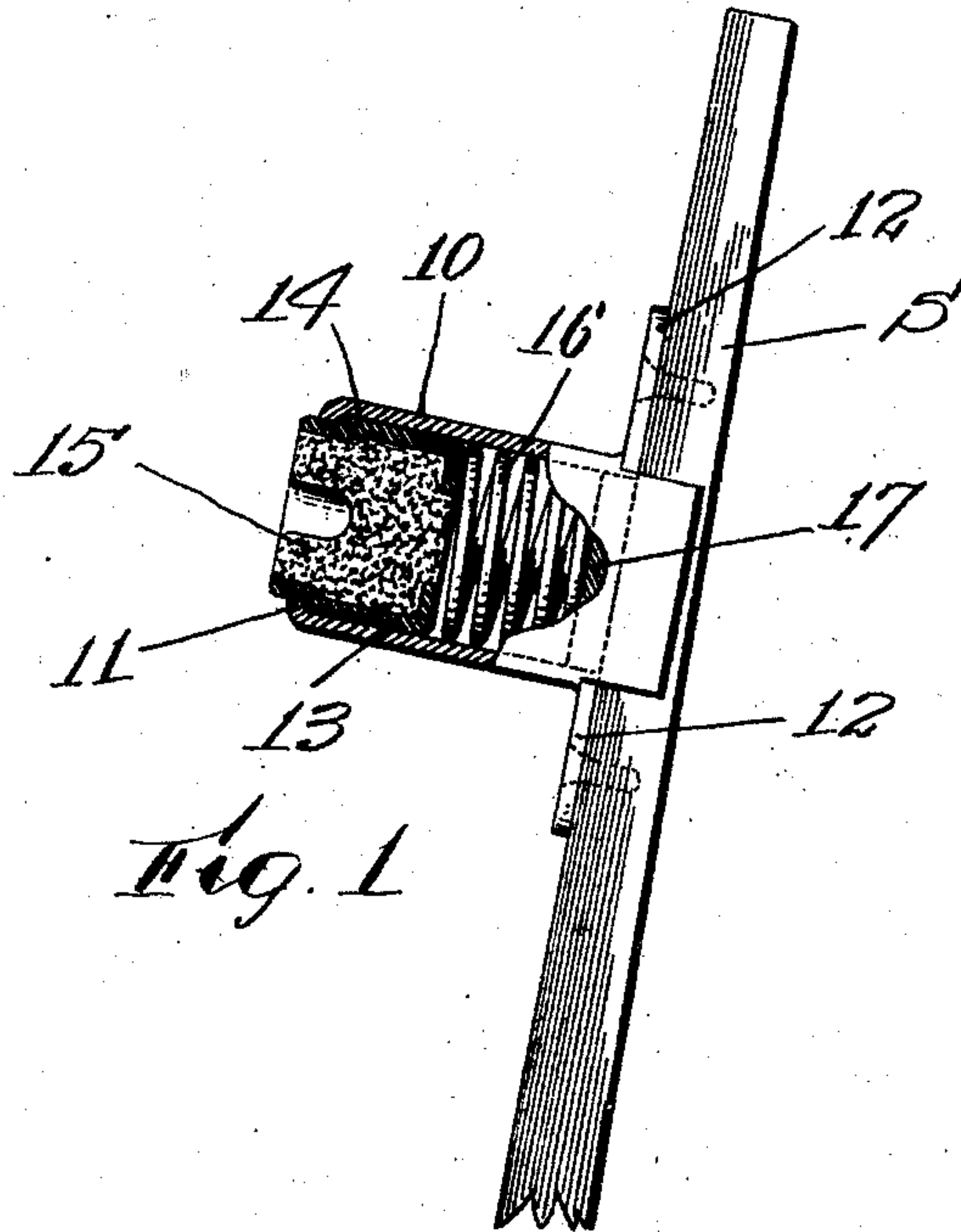


Fig. 1

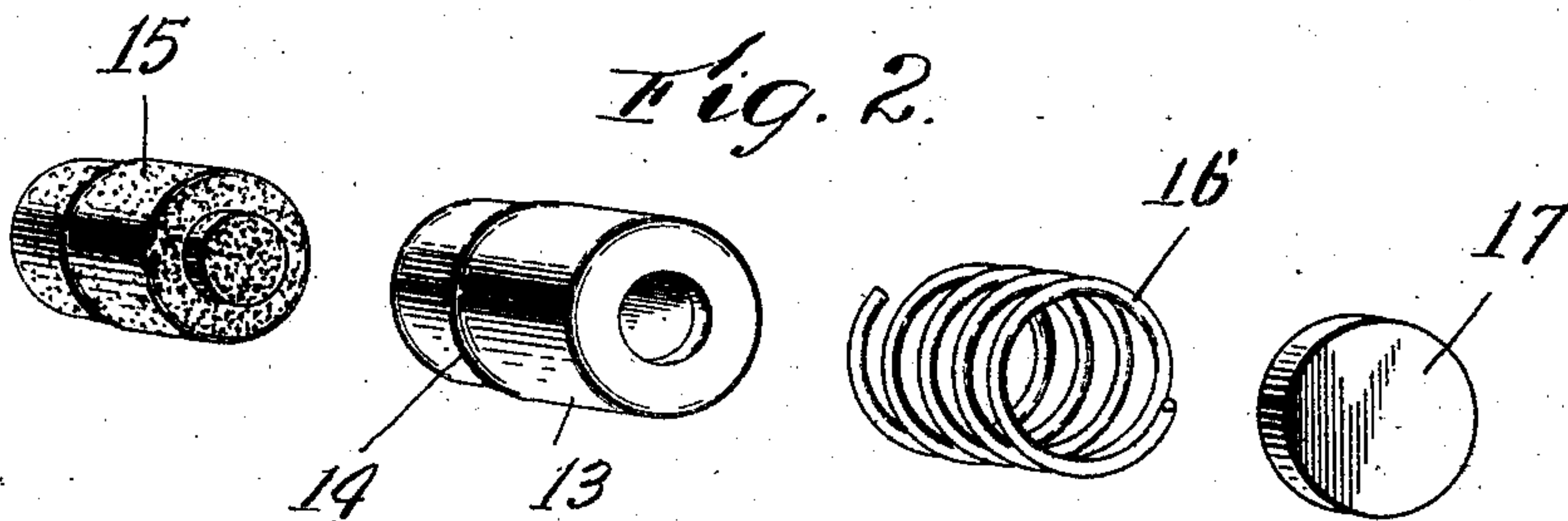


Fig. 2.

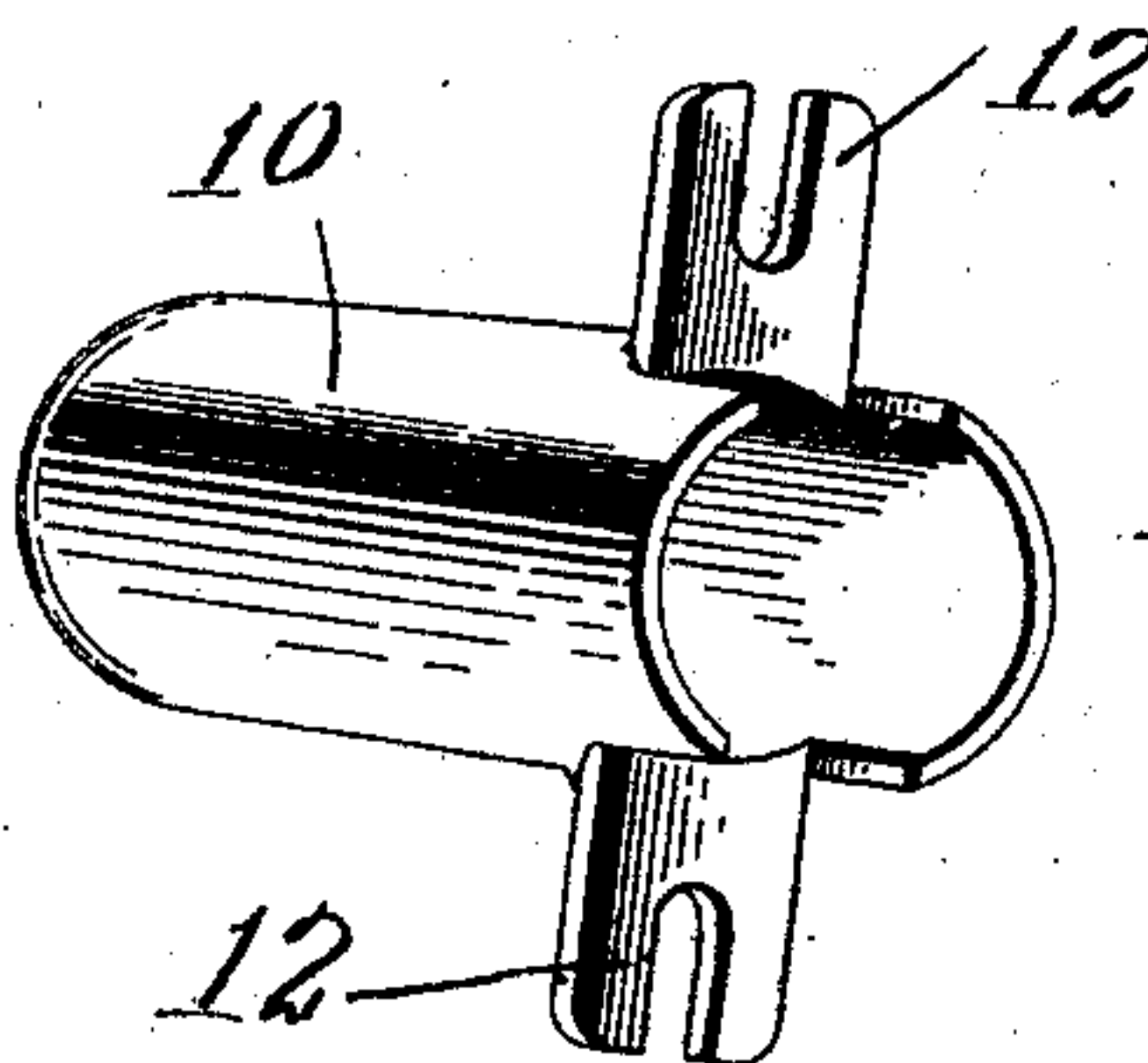


Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

DAVID LEMOINE, OF FISHERVILLE, MASSACHUSETTS.

PICKER-STICK ATTACHMENT FOR LOOMS.

No. 850,841.

Specification of Letters Patent.

Patented April 16, 1907.

Application filed March 11, 1904. Serial No. 197,647.

To all whom it may concern:

Be it known that I, DAVID LEMOINE, a citizen of the United States, residing at Fisherville, in the county of Worcester and State of Massachusetts, have invented a new and useful Picker-Stick Attachment for Looms, of which the following is a specification.

This invention relates to an attachment for the picker-stick of a fly-shuttle loom to be used under certain circumstances in place of that set forth in my patent granted April 9, 1907.

The especial object of this invention is to provide a strong, simple, and inexpensive striking attachment or picker for a picker-stick, which can be fastened in place without materially weakening the picker-stick and which will have the proper amount of elasticity to secure the best results in driving or flying the shuttles.

In the accompanying drawings, Figure 1 is a side view, partly broken away, of a picker-stick with this attachment applied thereto. Fig. 2 is a perspective view of the parts inclosed within the casing of a picker-stick attachment constructed according to this invention, and Fig. 3 is a perspective view of the sheet-metal casing or shell.

In a picker-stick attachment constructed according to this invention a soft-faced spring-pressed plunger is employed for engaging the shuttles. The plunger is housed within a casing which is preferably stamped out of sheet metal and secured to the picker-stick. The face of the picker-stick is protected from the end of the spring by a metal bearing-disk.

Referring to the accompanying drawings and in detail, S designates part of a picker-stick, which may be mounted in a loom in the ordinary manner for flying or actuating the shuttles. Fastened onto the picker-stick S is a sheet-metal casing 10, having a turned-in edge or flange 11. At its end the casing 10 is notched to fit onto the picker-stick, and the metal from these stick-receiving notches is bent back to form perforated fastening-ears 12, which receive the screws for fastening the attachment in place. By means of this construction the ends of the

casing 10 which bear on the sides of the picker-stick will aid in holding the attachment rigidly in place. Fitting into the casing 10 is a sheet-metal plunger 13, having a shoulder 14, which forms a stop cooperating with the flange or turned-in edge 11. Pressed into or otherwise put in place in the plunger 13 is a cushion 15, of rubber, leather, or other yielding material. Bearing on the rear end of the plunger 13 is a coiled spring 16, having its opposite end bearing against a wearing plate or disk 17, which protects the picker-stick.

In the use of a picker-stick attachment as thus constructed a spring 16 of proper tension is employed to yield or have the required elasticity for flying the shuttles with the greatest possible efficiency for any particular class of work, and whenever it is desired to change the speed of the loom or the weight of shuttles springs of different elasticity may be substituted as required, the renewal or replacement of the parts being readily effected by unscrewing the fasteningscrews.

I am aware that numerous changes may be made in the construction of my picker-stick attachment by those who are skilled in the art, and I do not wish, therefore, to be limited to the special form I have herein shown and described; but

What I do claim, and desire to secure by Letters Patent of the United States, is—

1. In an attachment for picker-sticks the combination of a sheet-metal casing notched at one end to receive the picker-stick whereby said casing will engage the face and the opposite sides of the picker-stick and having the metal from the said notches bent out to form attaching-ears, the other end of the casing being provided with an inwardly-extending flange with the spring-pressed plunger mounted in the casing and having a striking-face of resilient material.

2. In a picker-stick attachment the combination of a sheet-metal casing notched at one end to receive the picker-stick so that the casing engages the front and opposite sides of the picker-stick, with the metal from the notches bent out to form attaching-ears, the

opposite end of the casing having an inwardly-extending flange and a plunger consisting of a sheet-metal body inclosing a striking-face of resilient material, a spring
5 and a wearing-piece interposed between the spring and the picker-stick.

In testimony whereof I have hereunto set

my hand in the presence of two subscribing witnesses.

DAVID LEMOINE.

Witnesses:

PHILIP W. SOUTHGATE,
LOUIS W. SOUTHGATE.