

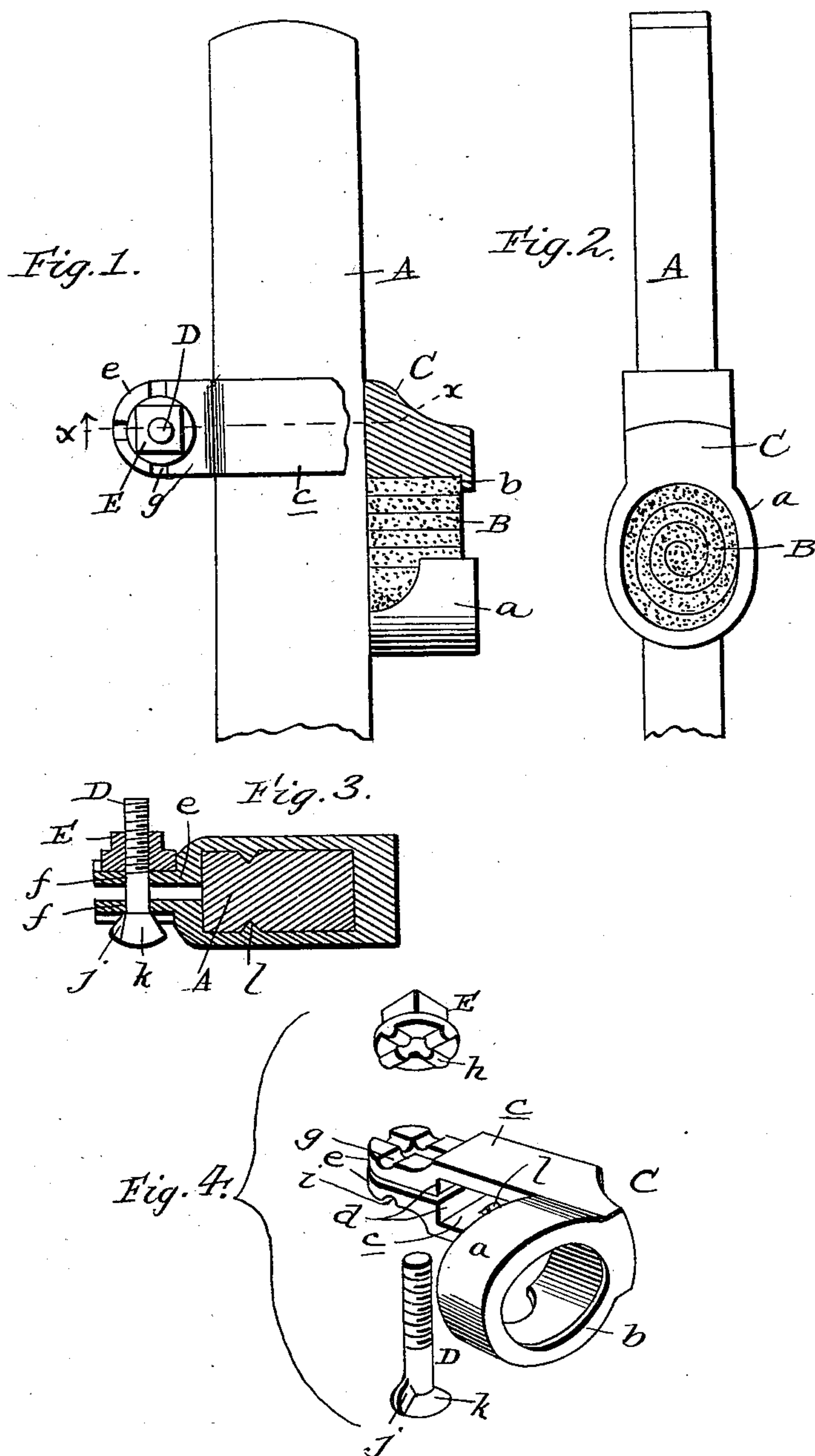
(No Model.)

W. B. MOODY.

DEVICE FOR SECURING PICKERS TO LOOM PICKER STAFFS.

No. 561,269.

Patented June 2, 1896.



witnesses!

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DEVICE FOR SECURING PICKERS TO LOOM PICKER-STAFFS.

SPECIFICATION forming part of Letters Patent No. 561,269, dated June 2, 1896.

Application filed March 27, 1896. Serial No. 585,105. (No model.)

To all whom it may concern:

Be it known that I, WARD B. MOODY, a citizen of the United States, residing at Blackstone, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Devices for Securing Pickers to Loom Picker-Staffs; and I do 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 improvements in devices for holding pickers on picker-staffs; and it has for its general object to provide a cheap and simple picker-holder which may be quickly and easily secured upon a picker-staff, and one which when properly secured upon the staff will not be liable to be loosened by the shock and jar to which pickers and picker-staffs are ordinarily subjected.

Other objects and advantages of the invention will be fully understood from the following description and claims when taken in conjunction with the accompanying drawings, in which—

Figure 1 is an elevation, partly in section, illustrating my improved device as holding a picker on a picker-staff. Fig. 2 is a similar view taken at right angles to Fig. 1. Fig. 3 is a transverse section taken in the plane indicated by the line *xx* of Fig. 1, and Fig. 4 comprises perspective views of the picker-holder and the devices by which it is fixed on the picker-staff.

In the said drawings similar letters designate corresponding parts in all of the several views, referring to which—

A indicates a picker-staff, which may be of the ordinary or any suitable construction.

B indicates the picker, which may be formed of any suitable material in any desired manner, and C indicates the holder which receives the picker and secures the same to the picker-staff A. This holder C is preferably formed in one piece, of metal or other suitable material, as better shown in Fig. 4, and it comprises the body portion *a*, which is preferably of the form shown, although it may be of any other suitable form, and is provided with an inwardly-directed flange *b* to retain the picker within it, and the resilient arms *c*, which are designed to receive the staff A between them,

as better shown in Fig. 3, and are provided with shoulders *d*, between which and the body *a* the staff is interposed, as illustrated. The forward portions *e* of the arms *c* are provided with aligned transverse apertures *f* to receive the fastening-bolt D, and one of said portions *e* is provided in its outer side with four (more or less) grooves *g*, designed to receive the four (more or less) protuberances *h* on the inner side of the nut E, which is mounted on the bolt D, as shown. The portion *e* of the other arm *c* is provided in its outer side with one or more grooves or seats *i*, which are designed in practice to receive the protuberance *j* upon the head *k* of the fastening-bolt, as better shown in Fig. 3 of the drawings. The arms *c* are furthermore provided upon their inner sides with the barbs *l*, which are designed and adapted to take into the staff A, as shown in Fig. 3, to better fix the picker-holder thereon.

In applying my improvements to a picker-staff the picker B is placed in the holder C, after which the picker-staff is inserted between the arms *c* of the holder, as illustrated. The bolt D is then passed through the apertures *f* of the arms *c* until the protuberance on its head rests in the seat *i* in one arm *c*, and the nut E is turned upon said bolt until the protuberances on its inner side engage the outer side of the adjacent arm *c*. As the said nut is tightened it will be seen that the barbs *l* will be sunk into the sides of the staff A, and will assist materially in securing the holder on the staff, and when the nut is sufficiently tight it is left with its protuberances *h* resting in the seats or grooves *g* of one of the arms *c*, as shown. In virtue of this and the fact that the protuberance on the bolt-head rests in a seat *i* of the other arm *c* and the said arms *c* are resilient it will be seen that both the bolt and the nut will be effectually prevented from working loose, no matter how much shock and jar the picker and picker-staff are subjected to, as the arms *c* will exert an outward pressure against the nut and bolt-head, and will consequently retain the protuberances thereof in the grooves. The arms *c*, by reason of their resiliency, will give inwardly when the nut D is tightened, and consequently will not prevent the nut from turning upon the arm which it impinges against.

It will be seen that my improved holder

may be made almost as cheaply as the ordinary picker-holder, and may as quickly and easily be placed on a picker-staff to secure a picker thereto. It will also be seen that the
 5 holder embodies no parts that are likely to get out of order after short use, and consequently it will outlast a great number of pickers. It will further be seen that while the picker-holder is not liable to be loosened by
 10 the shock and jar incident to the operation of the loom it may be readily removed from the picker-staff when it is desired to replace a worn-out picker by a new one, which is an important advantage.

15 Having described my invention, what I claim is—

1. The combination of a picker, a picker-staff, the picker-holder comprising the body containing the picker, and the resilient-arms
 20 resting on opposite sides of the picker-staff and provided with barbs adapted to sink into the picker-staff and with alined transverse apertures and each having a seat in its outer side, the bolt extending through the apertures
 25 of said arms and having a protuberance on

its head adapted to take into the seat of one of the arms, and a nut mounted on the bolt and having a protuberance on its inner side adapted to take into the seat of the other arm, substantially as specified. 30

2. A device for holding pickers and securing the same upon picker-staffs, comprising the holder having the body portion adapted to receive a picker, and resilient arms provided with alined apertures and each having
 35 a groove or seat in its outer side, the bolt extending through the apertures of said arms and having a protuberance on its head adapted to take into the groove of one of the arms, and a nut mounted on the bolt and having a
 40 protuberance on its inner side adapted to take into the groove of the other arm, substantially as specified.

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

WARD B. MOODY.

Witnesses:

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