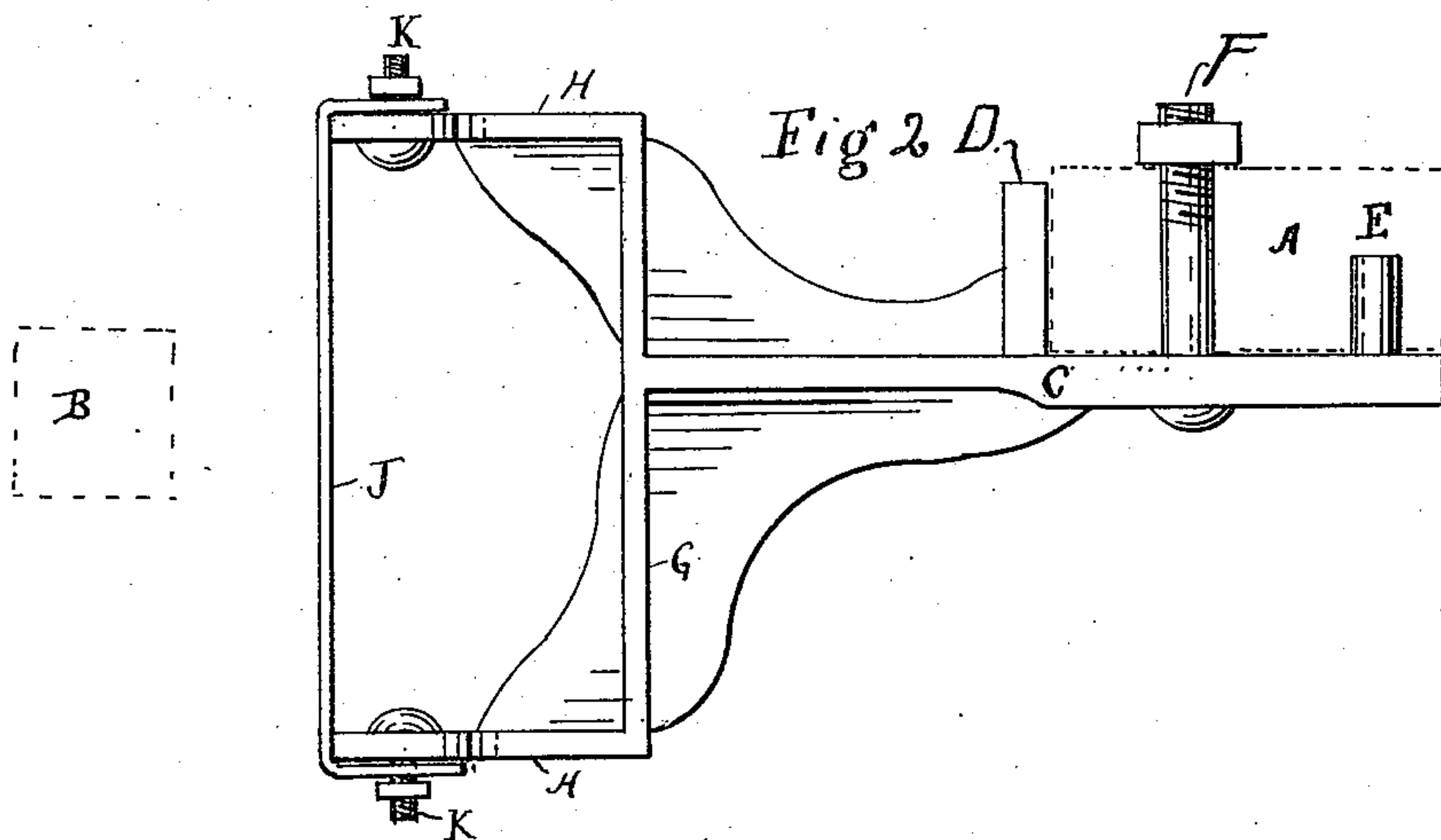
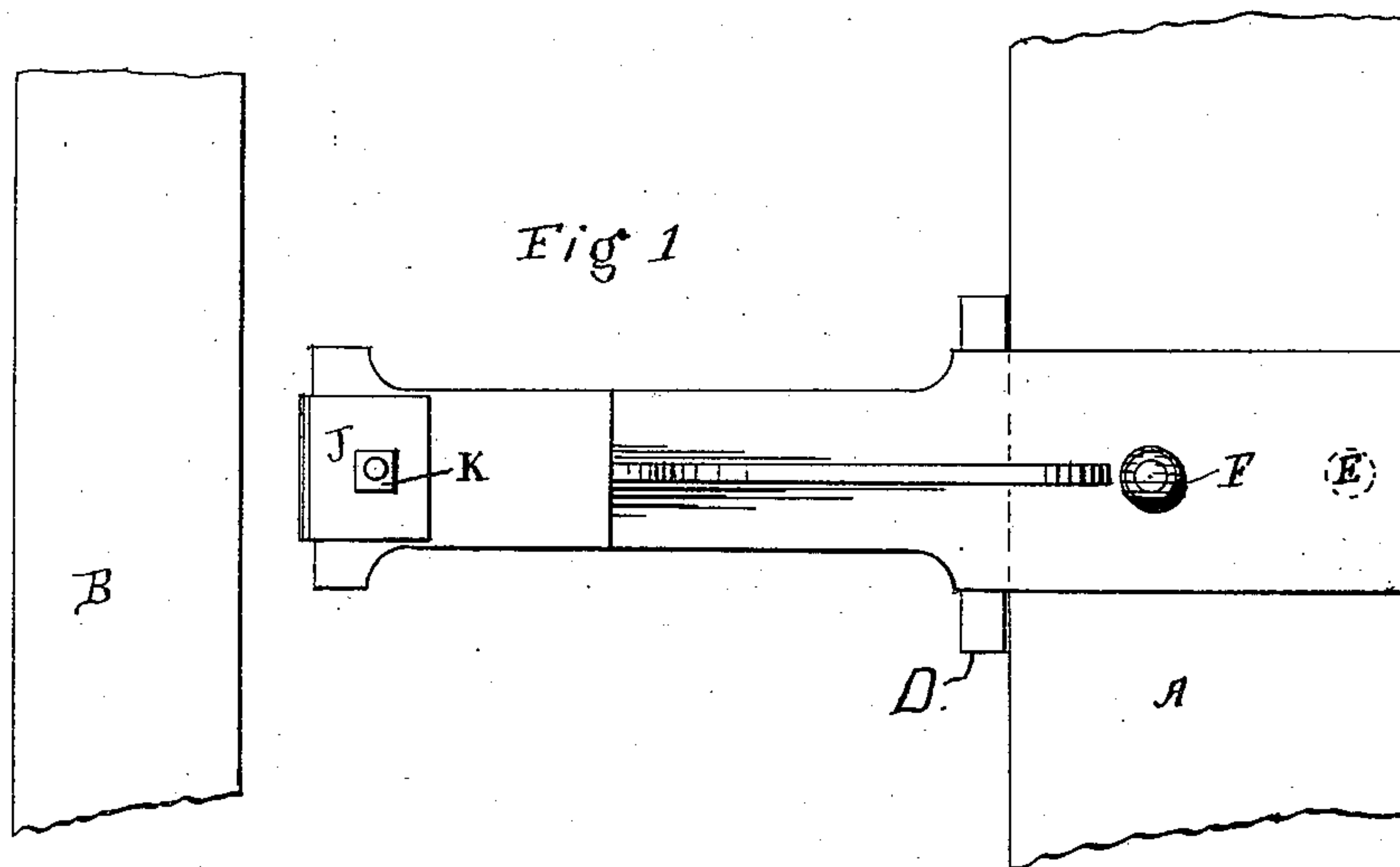


(No Model.)

R. T. TAYLOR.
CUSHIONED STOP FOR PICKER STICKS.

No. 546,563.

Patented Sept. 17, 1895.



Witnesses
R Collet
J. West

Inventor,
Robert Thompson Taylor
per
Mark Wilks Collet
his atty

UNITED STATES PATENT OFFICE.

ROBERT THOMPSON TAYLOR, OF PHILADELPHIA, PENNSYLVANIA.

CUSHIONED STOP FOR PICKER-STICKS.

SPECIFICATION forming part of Letters Patent No. 546,563, dated September 17, 1895.

Application filed August 17, 1894. Serial No. 520,571. (No model.)

To all whom it may concern:

Be it known that I, ROBERT THOMPSON TAYLOR, a citizen of the United States, residing in the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Cushioned Stops for Picker-Sticks, of which the following is a clear and sufficient specification, reference being had to the drawings annexed.

My invention consists in the particular construction of stop device intended to receive the forward blow of the picker-stick, whereby the picker-stick is stopped without jar, and hence wear and tear of the loom is prevented and a very strong yet light construction of the stop device secured, which will not grow hard or inelastic by use and by means of which the blow of the picker-stick will be carried to the sword of the loom. This construction is essentially an arm secured to the sword and provided with a shoulder fitting against the side thereof, said arm extending substantially at right angles to the sword, a pair of yoke-arms extending substantially in the same direction as the above and forming an extension thereof and lying on either side of the path of movement of the picker-stick, and a connecting cord or strap connecting these arms against which the picker-stick will strike and rebound.

Figure 1 is a side elevation of my invented device, showing part of the sword and picker-stick; and Fig. 2 is a view of the yoke-piece by itself.

A denotes the sword and B the picker-stick. C is an arm extending from the back part G of the yoke proper, and which is provided with a shoulder D, that fits against the side of the sword, and which, in conjunction with the stud E, which fits into an aperture in the sword, and the bolt F, serves to secure it to the same.

As will be seen, the force of the blow of the picker-stick is entirely in the direction of the length of the arm C. The shoulder D is provided with a strong fin running between it and part G, from which also, on the other side of the arm C, runs another fin tapering down to the arm C.

From the part G extend the yoke-arms H, which will lie on either side of the picker-stick, and over the ends of these yoke-

arms is stretched the strap J, which I make preferably of leather, though I might use other materials. This strap is secured by the bolts K K. These yoke-arms H H are finned on the inner sides with fins widening out and running to the inside of the back piece, thus securing the arms against a collapse inward and carrying the force of the stroke of the picker-stick always substantially in the direction of the length of the arms forming the stop device to the sword.

As the sword and the picker-stick move together evenly in the direction of the warp threads, the same portion of the strap J is always opposite the picker-stick B, which when it moves outward in the direction of the weft-thread when stopped will strike always against the same portion of strap B. This will make the yoke-piece to be so set that the picker-stick will always impinge against the strap between the arms H H. This stroke will be very easy and the picker-stick will rebound elastically and without any jar whatever.

I do not claim any device by which the movement of the picker-stick away from the batten is stopped. Neither do I claim any device in which a stop, whichever side of the picker-stick it may be placed, is so placed that the blow of the picker-stick will be other than substantially in the line of the length of the stop device.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination with the picker stick and sword, of a stop device consisting of an arm C extending, substantially at right angles to the sword, toward the picker stick, and provided with a shoulder D fitting against the side of the sword, a yoke having two yoke arms extending in the same direction as the arm C and lying at opposite sides of the path of the picker stick, the yoke arms and arm C being provided with strengthening fins and the piece of flexible material running between and secured to the yoke arms substantially as described.

ROBERT THOMPSON TAYLOR.

Witnesses:

M. W. COLLET,
F. HARROLD.