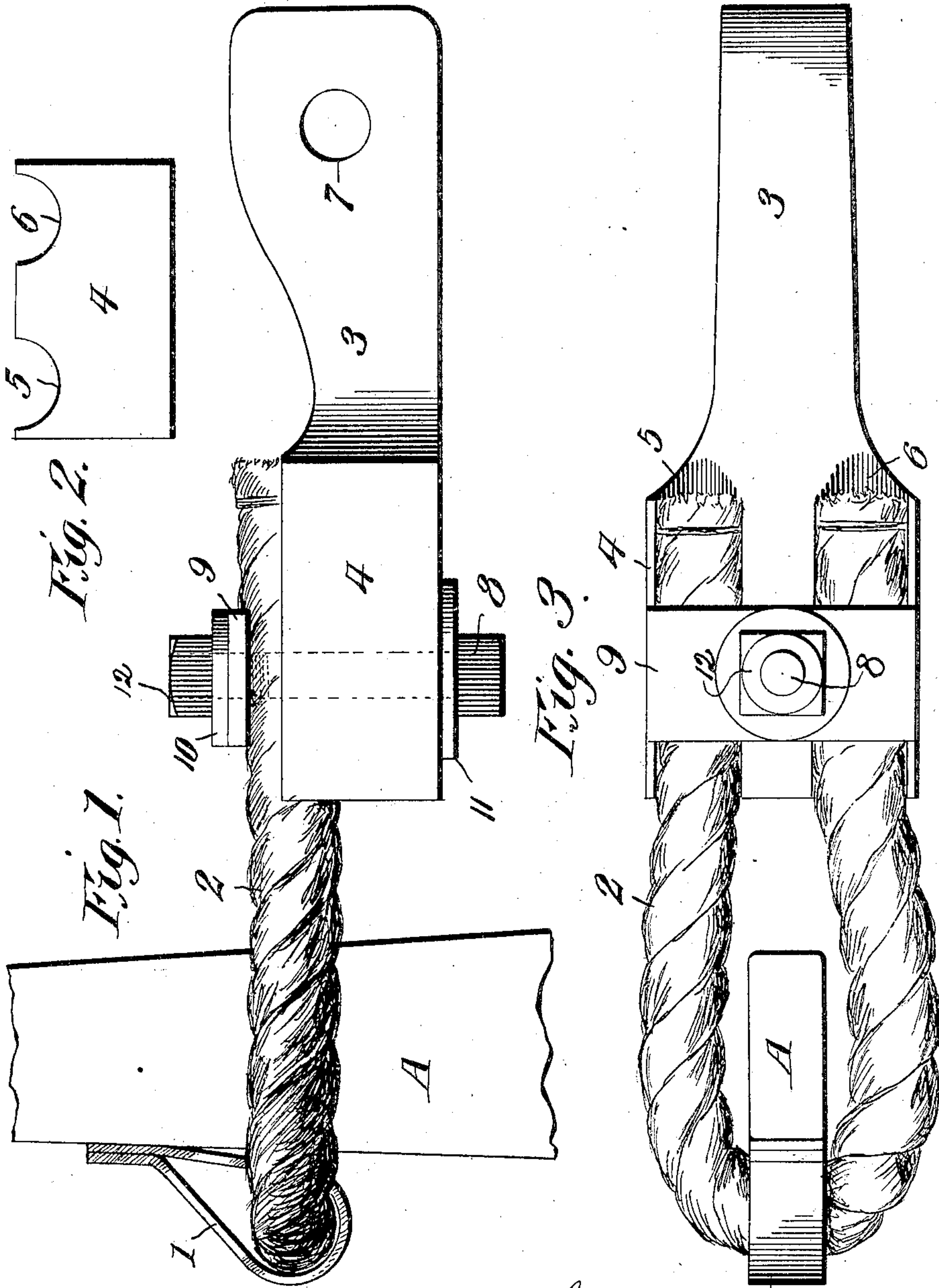


No. 822,321.

PATENTED JUNE 5, 1906.

J. THOMPSON.
LUG STRAP CONNECTION FOR LOOMS.
APPLICATION FILED MAY 24, 1905.



James Thompson

Inventor

Witnesses
Wm. W. Day
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UNITED STATES PATENT OFFICE.

JAMES THOMPSON, OF SOMERVILLE, MASSACHUSETTS.

LUG-STRAP CONNECTION FOR LOOMS.

No. 822,321.

Specification of Letters Patent.

Patented June 5, 1906.

Application filed May 24, 1905. Serial No. 261,930.

To all whom it may concern:

Be it known that I, JAMES THOMPSON, a citizen of the United States, residing at Somerville, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Lug-Strap Connections for Looms, of which the following is a specification.

My invention has relation to improvements in lug-strap connections for looms; and the object is to provide a strap and connections of the kind named and for the purposes intended which is possessed with flexible characteristics and at the same time having sufficient rigidity to meet all the functions attending its actions. At the same time I propose to simplify and improve such strap connections in aggroupment and combination with the coacting parts or elements.

I have fully and clearly illustrated the improvements in the annexed drawings, to be taken as a part hereof, and wherein—

Figure 1 is a side view of the complete device, showing it as connected to a picker-stick. Fig. 2 is a front end view of the wooden connecting-block. Fig. 3 is a top plan view of the complete device.

In the drawings the same parts appearing in different illustrations are designated by similar reference notations, and, reference being thereto had, A designates the picker-stick, which is of the usual style and make. To the outer edge of the picker-stick is secured a metal loop 1, positioned to bring the connected members in substantial alinement with the rocker-arm of the loom, as usual. In the loop 1 is disposed a lug loop or strap 2, made of manila rope or cable and embracing the picker-stick, as indicated. The material of the strap 2 is saturated with tar or bitumen, which imparts sufficient rigidity to the limbs of the lug-strap to cushion the picker-stick and prevent lateral movement thereof.

3 designates a wooden block which takes the place of the link usually employed to connect the arm or strap to the rocker-arm of the loom. This block 3 is made with a flat head 4, provided with parallel grooves 5 6, longitudinally disposed in its upper face, wherein the limbs of the lug-strap 2 are laid, substantially as seen in the drawings. The tail-piece of the block 3 is narrower than the head and is provided with a pivot bolt-hole 7, whereby the block may be pivotally connected to the arm of the rocker-shaft. It has not

been deemed necessary to illustrate this connection, because it is well known and understood. In the head of the block is a vertical bolt-hole (see the dotted line in Fig. 1) where- in a clamping-bolt 8 is arranged, and on the projecting upper end of the bolt 8 is placed a clamping-plate 9, which reaches over and bears upon both limbs of the lug-strap, as indicated in the drawings. Suitable washers 10 11 are provided on the bolt, and of course a clamping-nut 12 is fitted on the upper end of the bolt.

It will be observed that the improvements embody a lug-strap which, because of the rope being saturated with tar, soon becomes polished and will not abrade the picker-stick and possesses ample rigidity to fulfil the purposes, and also that the connections are of sufficient flexibility to prevent jars and shocks when running rapidly. It will be further perceived that the lug-strap may be readily replaced or renewed.

To assemble the parts, the loop 1 may be secured to the picker-stick at the proper point. Then the piece of cable constituting the lug-strap is passed through the loop to its middle and then bent around the picker-stick, with its limbs extending parallel with each other, and then laid in the grooves in the head of the block 3. The bolt, with the clamping-plate, is then placed in position, and then the nut of the bolt is screwed up tight and the device is ready to be connected to the rocker-shaft of the loom.

What I claim, and desire to secure by Letters Patent, is—

The combination with a picker-stick, of a loop secured thereto, a tarred-rope lug-strap supported in said loop and embracing the sides of the picker-stick and having its ends extended parallel with each other, a wooden block formed with a head having parallel grooves in its upper face to receive the parallel end portions of the lug-strap and adapted to pivotally connect to the rocker-arm of the loom, a clamping-bolt projected through the head of the wooden block, a clamping-plate disposed on the bolt and bearing on both of the parallel ends of the lug-strap, and a nut on the bolt to clamp the plate on said ends.

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

JAMES THOMPSON.

Witnesses:

GEORGE WILDE,
GEORG B. WILLARD.