

J. L. DOW.  
Shuttle-Guard for Looms.

No. 160,261.

Patented March 2, 1875.

FIG 1.

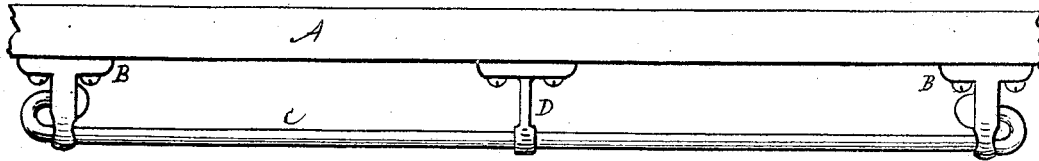


FIG 2.

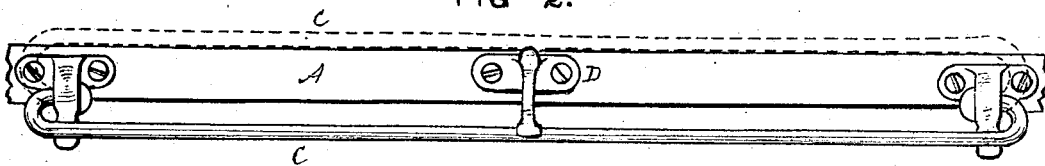


FIG 3.

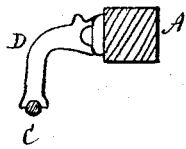
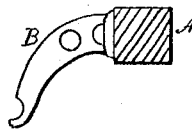


FIG 4.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

JOSEPH L. DOW, OF MANCHESTER, NEW HAMPSHIRE.

## IMPROVEMENT IN SHUTTLE-GUARDS FOR LOOMS.

Specification forming part of Letters Patent No. **160,261**, dated March 2, 1875; application filed February 6, 1875.

*To all whom it may concern:*

Be it known that I, JOSEPH L. DOW, of Manchester, Hillsborough county, in the State of New Hampshire, have invented a new, useful, and Improved Shuttle-Guard for Looms; and I hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings forming part of this specification.

The nature or essence of my invention consists in fastening some stands to the reed-bar of the loom, to project over the race-board and support a rod over the path or track of the shuttle.

In the accompanying drawings, Figure 1 is a portion of the reed-bar with the stands and rod as seen from the top. Fig. 2 is a front elevation of the same. Figs. 3 and 4 are end views of the middle and end stands.

In the above-mentioned drawings, A is the bar which holds the top of the reed, and is supported by the swords of the lay. To this bar A I fasten two stands, B B, made of cast-iron, in the form shown, or in such other form as will answer the purpose. These stands B are perforated for the ends of the bar or rod C, which are bent around, as shown in the drawing, and turn freely in the stands as the rod

is swung up and down. The rod C is shown in full lines in Figs. 1 and 2 as swung down for use, and by dotted lines in Fig. 2 as turned up out of use. I fasten one or more stands, D, according to the width of the loom, to the bar A. This stand D is made in the form shown, with a notch in the outer end, into which the rod C is sprung when in use, so as to hold it over the path of the shuttle and prevent the shuttle from rising up and shooting or flying out. When the rod C is sprung into the stand D near each end, the rod lies in the notches in the stands B B.

In piercing up the warp-threads the rod C may be turned up against the bar A. The stand D may be provided with a knob, E, on the top, over which the rod C may be sprung when it is desired to hold it permanently.

I claim—

In combination with the top bar of the reed-frame of a loom, the stands B, B, and D and bent rod C, arranged to work substantially as described, for the purpose set forth.

JOSEPH L. DOW.

Witnesses:

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OSCAR M. TITUS.