



RailReed

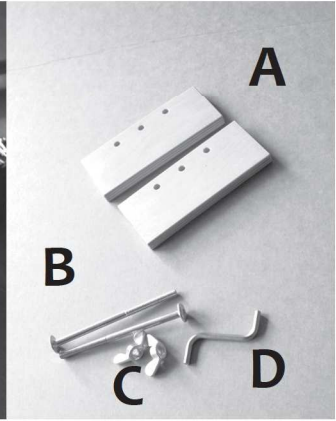
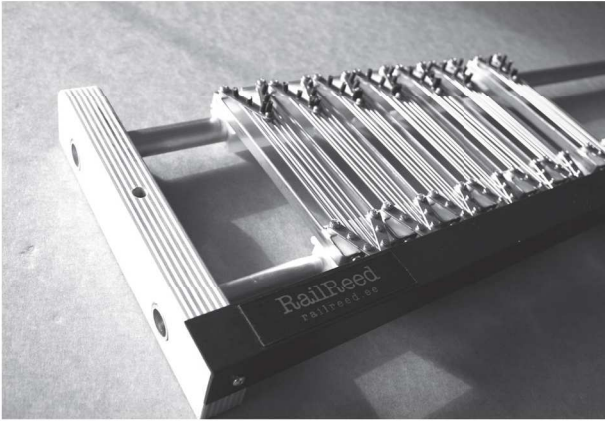
railreed.ee

Adjustable reed for creative weavers

RailReed is a weaving reed which enables to change fabric density while weaving.

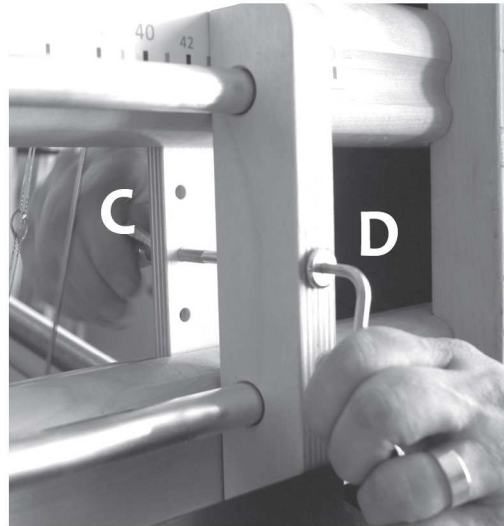
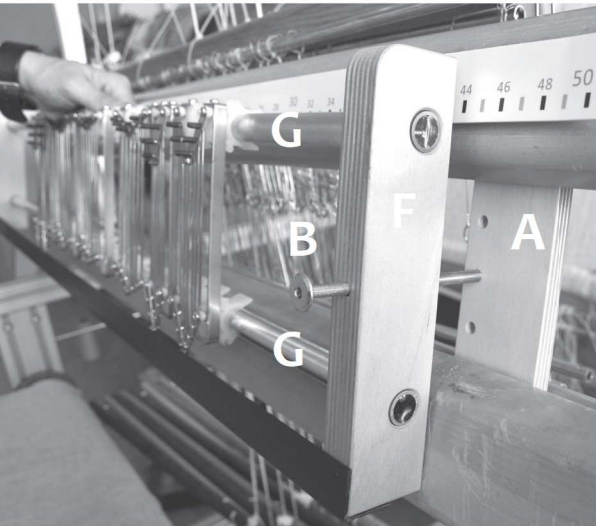
RailReed opens up new avenues in creating structures.

RailReed was invented by Estonian textile artist Kadi Pajupuu.



2 RailReed BASIC consists of a frame and 7 modules. Blocks (A) are put in the beater where you usually would put your reed (Fig 1)

Bolts (B) are pushed through the holes in the sideblocks (F) and then through the holes in A. (Fig 2)
For SAORI looms the blocks are different.



Use the corresponding hole to set RailReed in the right position for the shed to form. It is important that the rails (G) do not hinder the rising and lowering of warps.

Fasten the nuts (C) so, that the sideboards (F) of the RailReed are securely pushed against the beater.

Fig 1

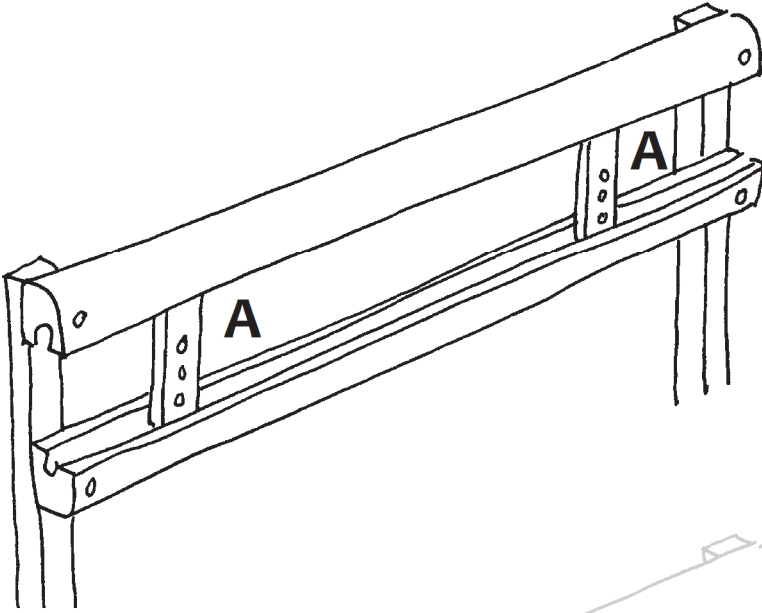
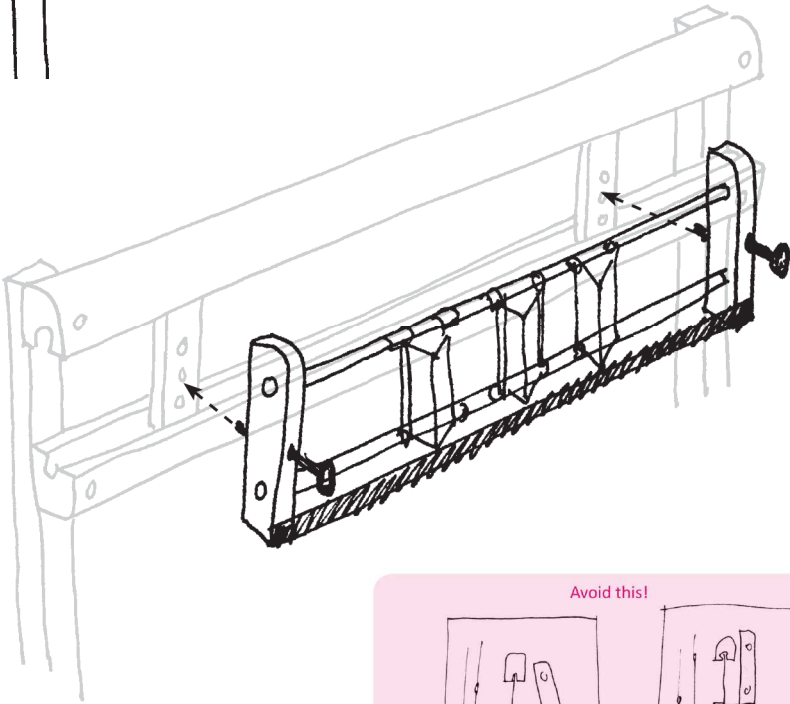
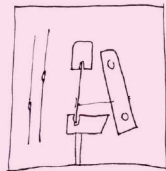


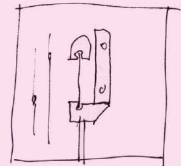
Fig 2



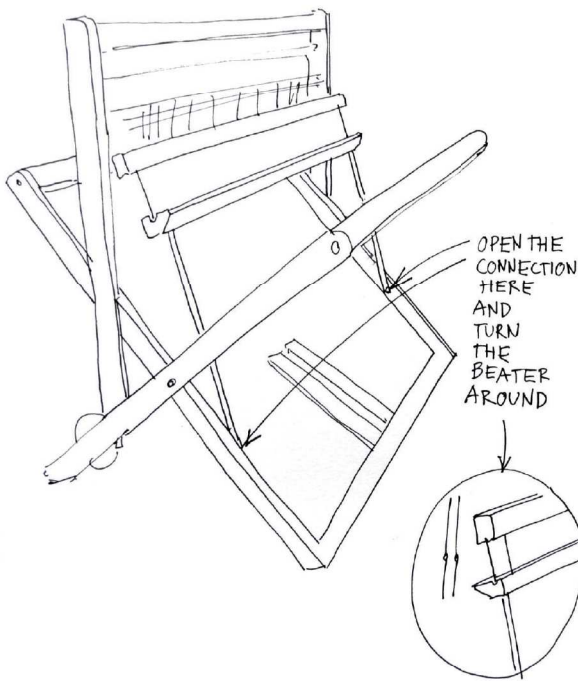
Avoid this!



THIS IS NOT GOOD

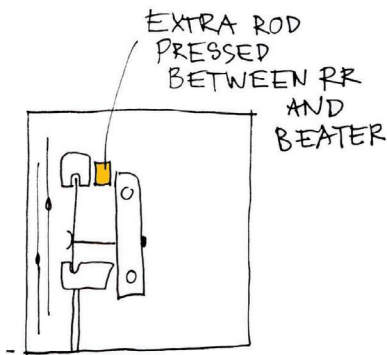
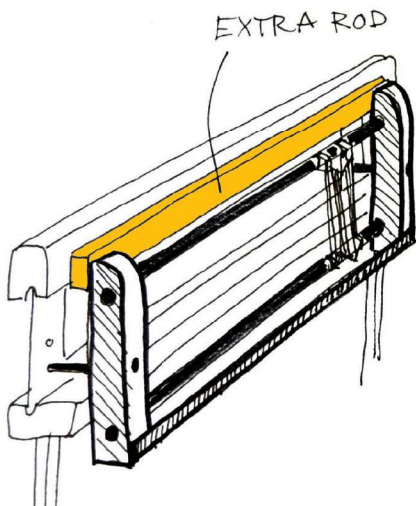
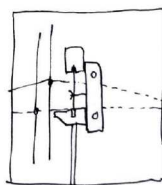


THIS DOES NOT ALLOW GOOD SHED



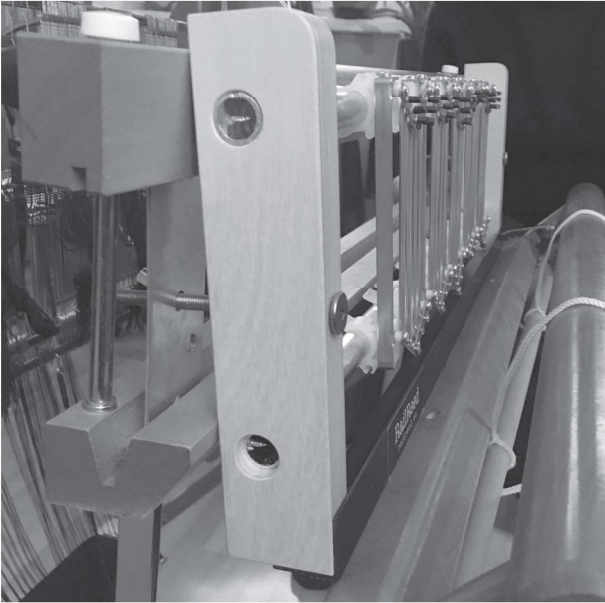
If your beater has a wide shuttle race.
 Solution 1) turn the beater around so that the shuttle race faces the heddles

Now the shuttle race is facing the heddles and Rail-Reed can be more upright.



THIS IS BETTER BUT LONGER BOLTS ARE NEEDED

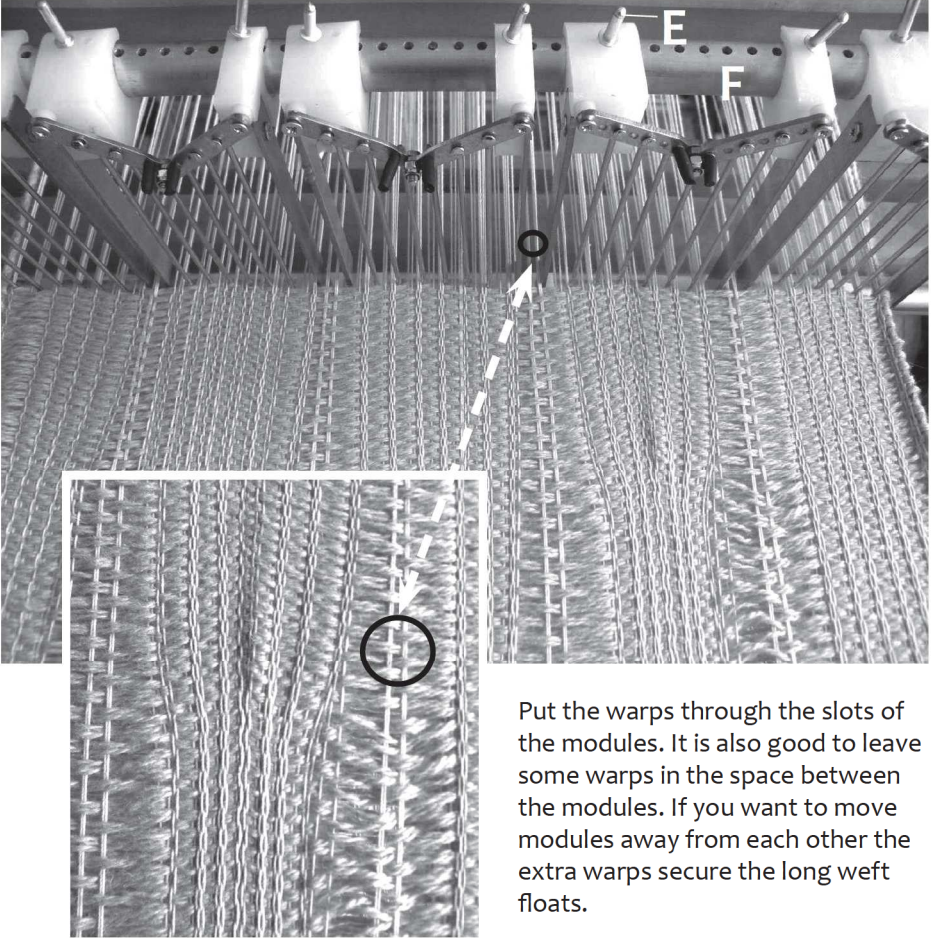
Solution 2) Use wooden stick between the RailReed and the upper part of the beater.



For Saori loom where the slot for the reed is narrow we made metal blocks for fastening the RailReed.

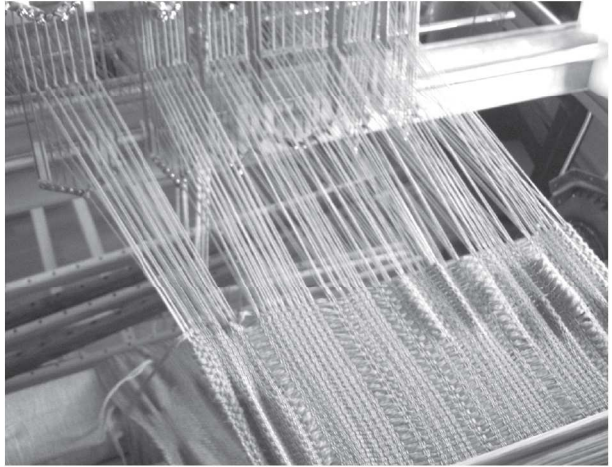
Find the right position for the block so that the shed works normally. RailReed is attached quite low.



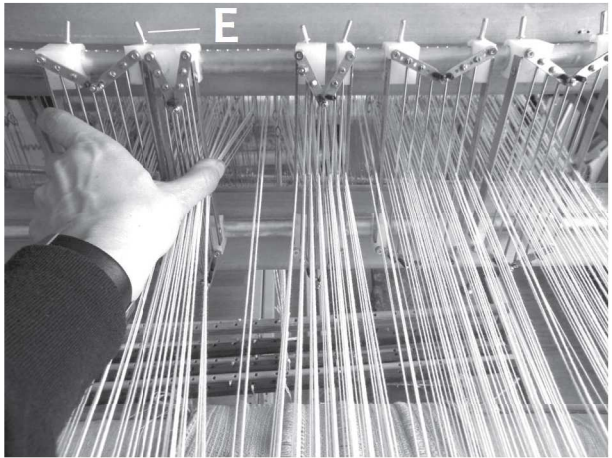


Put the warps through the slots of the modules. It is also good to leave some warps in the space between the modules. If you want to move modules away from each other the extra warps secure the long weft floats.

Strong and smooth warp material is good for using with RailReed. Too high warp tension does not allow to move the modules and warp may break.



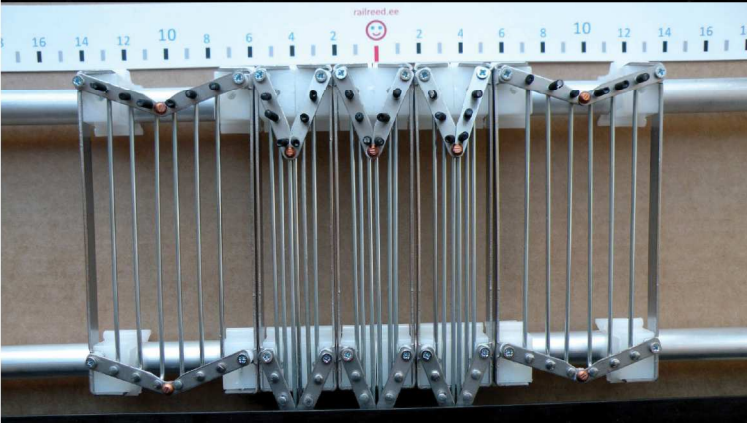
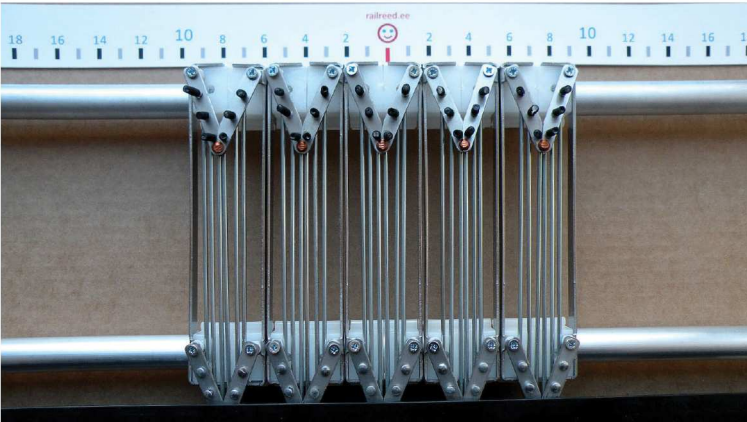
While weaving you push the modules along the rails. You can fix the position of the modules with the help of stoppers E that are pushed through the holes in the head of the module and hole in the rail.



Stoppers to stop the modules from sliding



8



RailReed allows to manipulate warp density while weaving.

Railreed modules have 7 slots. The maximum width of the module is 7cm (2.75") and minimum 3.5cm (1.37").

The thickness of the teeth is 2mm (0.07"), so the RailReed is not the tool for very precise works. But still very delicate thin fabrics can be woven.



Fabric designed and
woven with RailReed by
Marta Tuulberg.
Jacket design: Anneli Arro

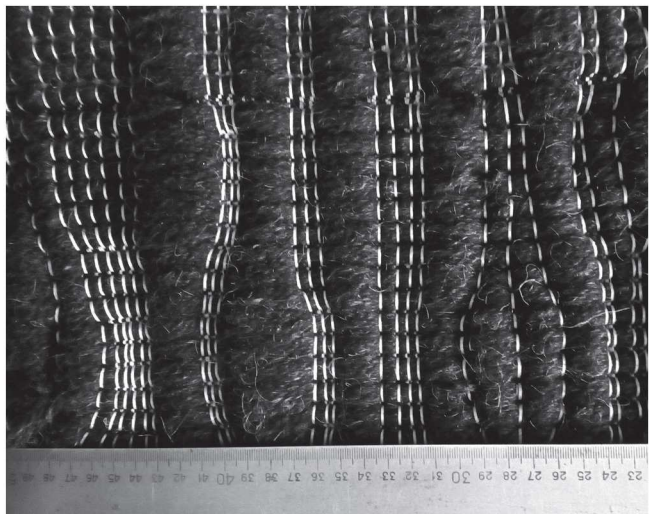
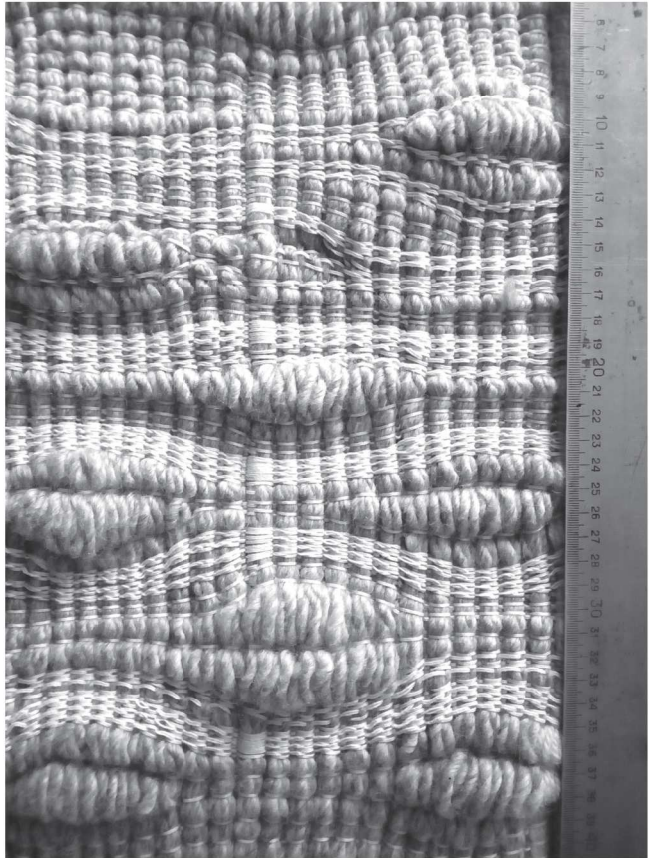


Photo: Kathleen Morris

Woven with RailReed by
Kathleen Morris.
www.kathleen-morris.com



Rug samples woven
with RailReed by
Marilyn Piirsalu



12



This is double-weave tube with cotton warp and paper weft, changing fabric width while weaving results in an interesting form.

Photos Marilyn Piirsalu



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