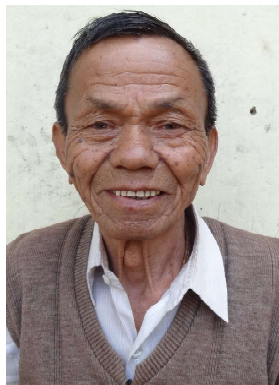


10

Silk Reeler Mr. Maisnam Maimu Singh



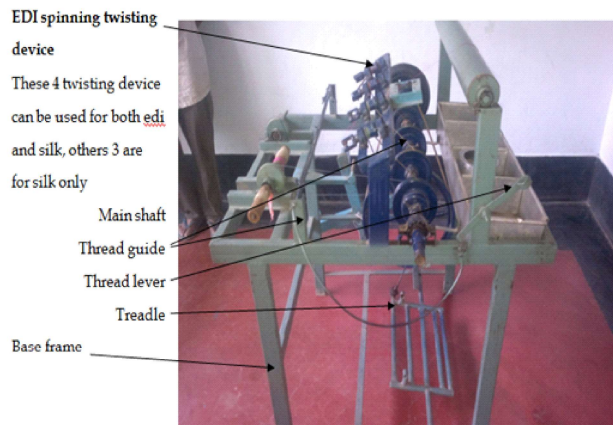
Innovation Brief: It is a simple manually operated silk/muga reeling machine. The machine allows reeling of two bobbins at a time and can be operated manually using the legs. It reduces the stress associated with manual silk reeling process to a great extent.

Innovation Details : In the year 2008-09, Shri Maisnam Singh saw girls from his nearby village playing after returning from school. He felt the girls should utilize their time in generating income so that they can support their own education. Hence, he started making the machine to reel silk that can be used by such girls. Moreover it can produce 3-4 times more output than the traditional manual thigh reeling method.

Name: Maisnam Maimu Singh
Age: 81 years
Address: Nambol Thantek, Po. Nambal, BPO Khabi, District Bishnupur, Manipur
Mobile: 09856320469 (Son), Maisnam Premabati Devi (Daughter, 50) 08730001609
Email: abr1.crazyfrog@gmail.com

The dimensions of the machine include 80 cm width, 90 cm length and 75 cm height. The machine has one wooden pulley of 6 inch diameter connected with the main shaft/pulley by a belt. Two cocoon chambers made of steel are used in this machine. Boiled cocoons are kept in each cocoon chamber. A fiver from each cocoon is picked and twined together and attached to the bobbin after passing through the traveller hook. Once the handle starts rotating it helps rotating the pulley/shaft. Simultaneously the bobbin shaft also rotates as it is connected by the belt and pulley to the main shaft. Therefore the traveller hook helps keep the uniform distribution of twined thread on to the bobbin.

The machine is manually operated, can reel three to four times more output than the traditional pot/thigh reeling method. Moreover, the reeling is done by using legs so the hands remain free.



Shri Maisnam Singh has made two types of machine , one is made of wood & another one is with iron. Altogether he has sold 15 machines, of which 10 are of wooden for Rs 4000-5000 while 5 are made of iron for Rs10,000. However, he is unable to meet more demand owing to financial problems.

Shri Maisnam Singh is 81 years old and a farmer by profession. He has studied up to high school. Apart from this silk reeling machine he has innovated around 15 other frugal machines including a manual washing machine.

Compiled by:
National Innovation
Foundation