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(54) **SNAP OFF DISPOSABLE WEAVING SHUTTLE**

(57) The present innovation relates to shuttles for hand weaving looms. In particular, the invention relates to a single sheet of shuttles joined together in such a manner that allows the individual shuttles to be broken from the main sheet ready for use. The advantage of the invention is that multiple shuttles can be pre-wound with thread or yarn simultaneously, and separated afterwards.

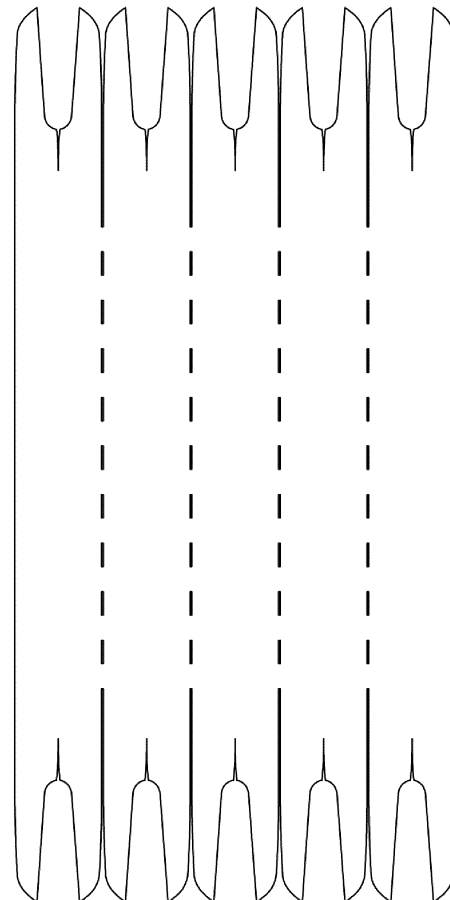


FIG 1.

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Description**Field of the invention:**

[0001] The present invention relates to the weaving of cloth. In particular the invention relates to a method of making weaving shuttles for hand weaving looms.

Background to the invention:

[0002] A weaving shuttle is used as part of the process of weaving cloth. The shuttle is wound with thread or yarn, and then repeatedly passed between alternating threads on a loom to create the woven cloth. Many different designs for shuttle exist, covering a range of applications from high volume production equipment to small hand weaving sample looms. The present invention relates specifically to use in hand weaving.

[0003] At present, all shuttles for hand weaving exist as single elements, which must be manually wound with thread or yarn before use. If multiple colours are required to create a pattern in a weaving, each shuttle must be individually wound, a time consuming and laborious process. Accordingly, there exists a requirement for a more efficient method of loading shuttles with thread or yarn.

Statement of the invention:

[0004] Accordingly, there is provided a set of shuttles comprising: A number of shuttles cut from a single piece of rigid material, joined by a perforated feature allowing the individual shuttles to be broken off the single sheet as required. The advantage of this system is that whilst joined, every shuttle on the single piece can be wound at the same time using a simple rotating winder, thus greatly reducing the amount of time and labour to prepare the shuttles for weaving.

[0005] In the presented embodiment of the invention, the shuttle material is thick cardboard, however it could be made from any suitable material without affecting the claims of this application.

Brief description of the drawings:

[0006] The invention will be more clearly understood from the following description of an embodiment thereof, given by way of example only, with reference to the accompanying drawings, in which:

FIG 1. shows the front view of set of shuttles joined together in a sheet

FIG 2. shows an individual shuttle as separated from the sheet

FIG 3. shows an isometric view of a set of shuttles as joined together in a sheet, and wound with yarn ready for use

Detailed description:

[0007] Referring now to the drawings and initially to Figure 1, there is illustrated a sheet of shuttles, in the iteration presented as a set of five, but could consist of any number of shuttles in a similar configuration. The dashed lines visible represent a series of perforations, thus weakening the structure of the card along this line, allowing it to be broken or torn along these lines, thus allowing the individual shuttles to be separated from each other, either before or after they are wound with yarn.

[0008] Referring to Figure 2, this shows a single shuttle as separated from the main card, without any yarn or thread wound on to clarify the illustration.

[0009] Referring to Figure 3, this shows the main card as wound with a thread or yarn, illustrating the anticipated embodiment of the invention, ready for the individual wound shuttle to be broken from the main sheet ready for use.

Claims

1. A weaving shuttle for use in hand weaving looms comprising a sheet of suitable material such as but not limited to cardboard, cut and perforated in such a way that creates a set of shuttles which can be individually broken free from the sheet for use in the weaving of cloth, or items made from thread or yarn.

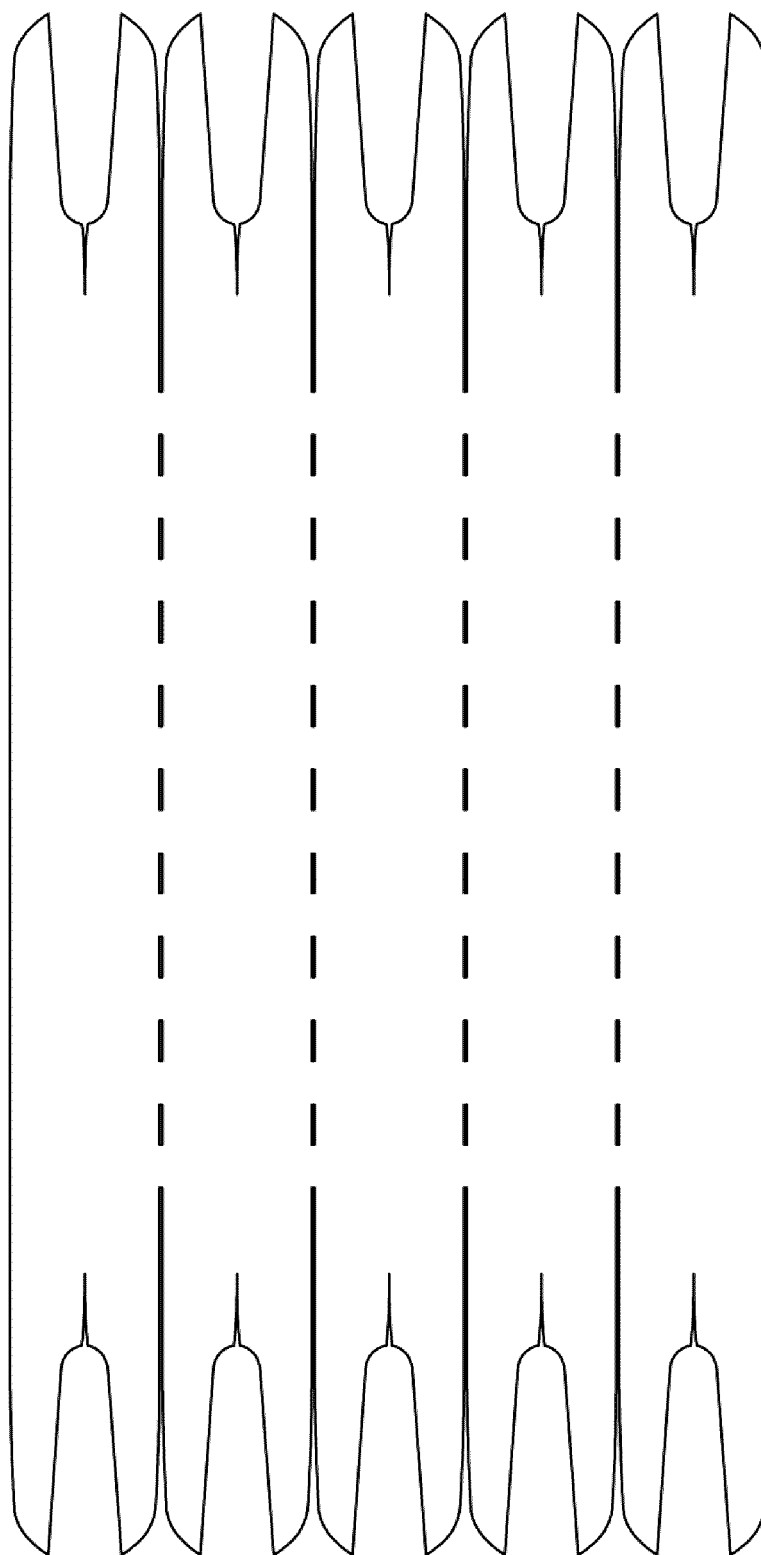


FIG 1.

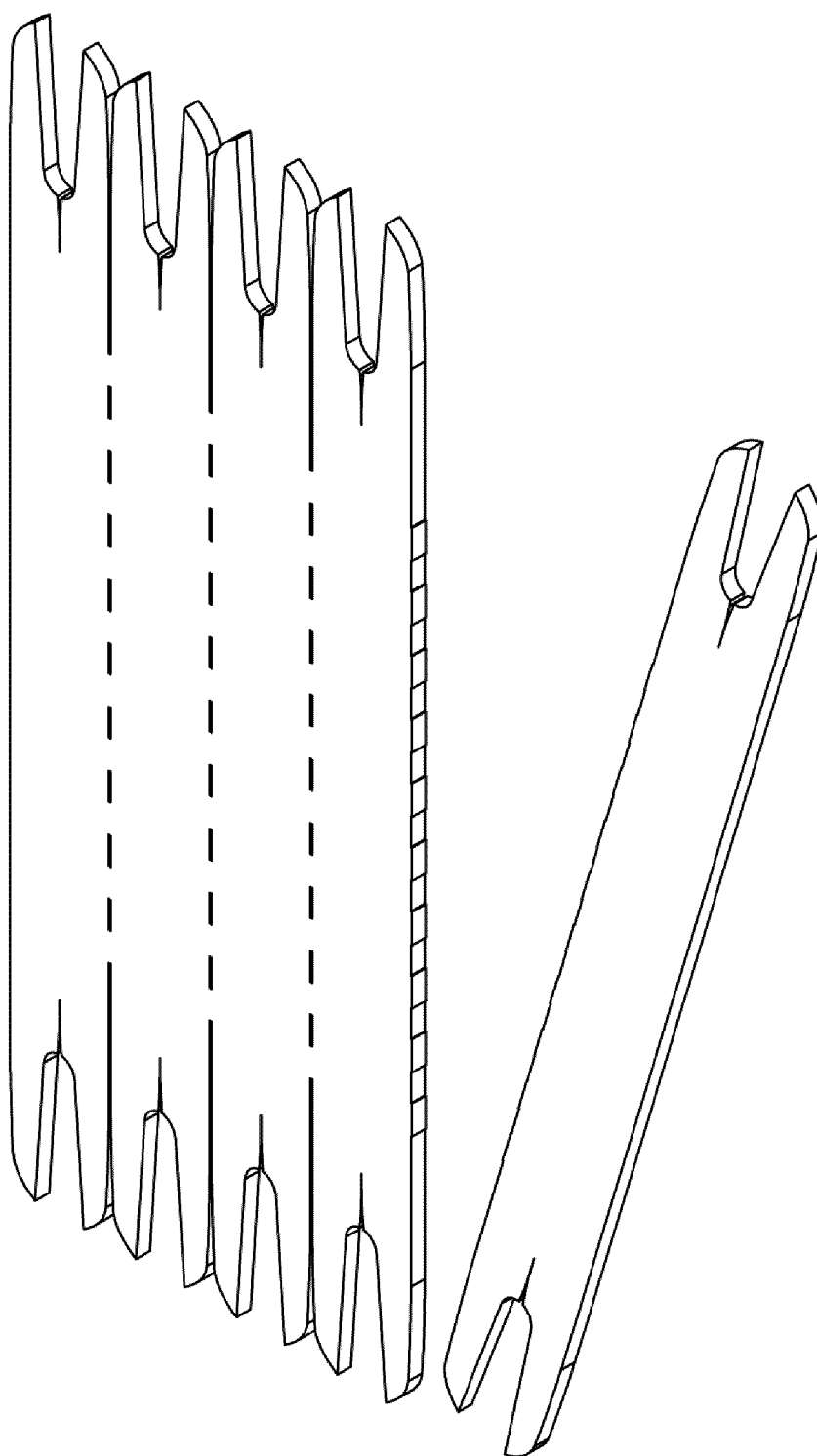


FIG 2.

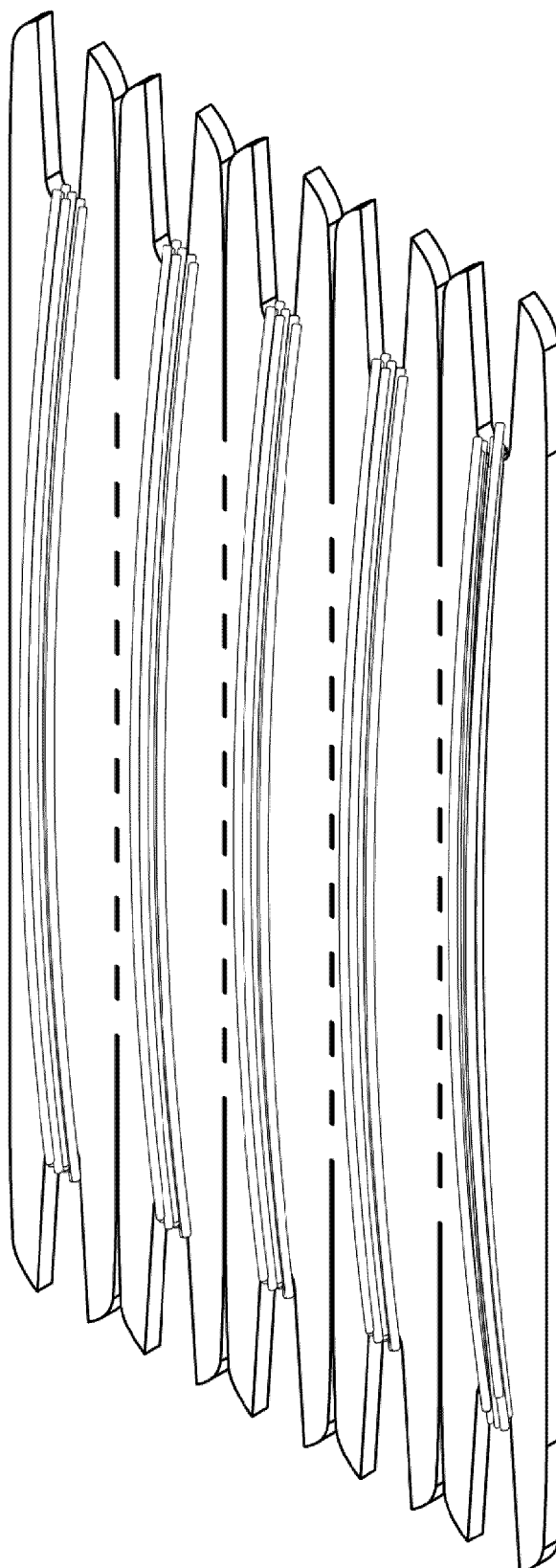


FIG 3.



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Y	US 2 470 212 A (CARLSON GUSTAV A) 17 May 1949 (1949-05-17) * abstract * * claim 1 * * figures 1-4 * * the whole document * -----	1	TECHNICAL FIELDS SEARCHED (IPC) D03D D03J B65H A47G
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 14 March 2025	Examiner Heinzelmann, Eric
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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14-03-2025

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