(12) **United States Patent**
Thorp

(10) **Patent No.: X4491**
(45) **Date of Patent: Jul. 10, 1826**

(54) **BRAIDING**

(76) Inventor: **John Thorp**

John Thorp Letters Patent dated July 10th 24.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said John Thorp himself of his improvement on his Spreading Machine Patented on the 10th day of August 1821.

These improvements consist first of "carrier wheels" having an inner row of teeth combined to the cog-wheels & being wholly on which the carriers ride, and by which they are moved or forced round in their proper route. They are convex on one side & concave on the other forming a curve corresponding with the circle on which they stand. The inner or edge of these wheels is bevelled coming nearly to an edge at the concave surface of one and the convex surface of another, or they have a projecting lip or rim to keep the machinery of each wheel so that the rims can be lapped to each other thereby allowing a deeper notch for the connecting bars of the carriers to lie in & securing the carriers more safely in their places.

The two plates of the carriers are permanently connected each to the other by two connecting bars. Said carriers are so constructed as to receive & hold a spool or bobbin, with the shaft or body of the spool or bobbin by any proper means with the plates the carriers allowing the threads to pass in a straight line from the spool or bobbin to the spreading rollers, where the braid is formed.

The second improvement is an "inverting rim", encompassing the carrier wheels the use of which is to check the undesigned inclination of the carriers & to prevent them coming off the four bevel wheels. The surface of this rim corresponds corresponding with the curve of the carrier wheels & with the circle on which the carrier wheels are placed. The inner edge of the rim comes so near to the outer edge of the carrier wheel as to admit of no more play to the connecting bars of the carriers while they lie in said notches than that of

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DEPARTMENT OF THE INTERIOR,

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SIR:

The printed copies ..... *of Patent No.* J. Thorp

..... *exhausted.* July 10 1826

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By direction of the Commissioner:

Very respectfully,

Chief Clerk.

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