(12) **United States Patent**
Morse

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(54) **SPINNING, FLIERS, COTTON**

(76) Inventor: **John Morse**

Jason C. Morse, of Newtown, Massachusetts.

Letters Patent.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Jason C. Morse himself of his improvement in the mode constructing or making fliers for spinning Cotton, wool, Silk, Flax and Hemp."

Be all to whom these presents shall come,

Be it known that Jason C. Morse of Newtown in the County of Middlesex and Commonwealth of Massachusetts Machinist hath invented a new and useful improvement in the mode of constructing and making fliers for spinning of Cotton, wool, Silk, Flax or Hemp, and connecting therewith when it is desirable to have such a connection and in such case making part of said fliers a Whorle for the purpose of driving the same and that the following is a full and exact description of the construction and use of said improvement as invented by him,

The said invention consists in constructing making and finishing said fliers and with or without Whorles as their case may require of one entire piece, and to accomplish this object I connect the flier alone or the fliers and Whorle when used in connection and of any distance from or else to the end entire in mould, and of a malleable iron or steel so that they may be wrought, from the rough and finished as the operating mechanic may desire and do as be useful them in all ways for which the common fliers as now usually constructed are applied

The great practical benefits accruing from the use of fliers constructed in this mode invented by me is - that the flier being of one entire piece, and being well and sufficiently tempered is stiff and durable having no connecting joints as in the common flier, which is constructed of some or more pieces connected together by brazing or otherwise, and its superior action when applied to use, so as to cause this part to work true,

And I claim "Whatever may be substantially or manufactured on the foregoing specification my whole invention consisting in the invention whereby a flier alone or flier with Whorle may be cast in one entire piece, and finished from such castings

I lay no claim to the Invention of a Malleable iron or Steel or to any other Materials used for their construction,

The Model Transmitted marked 1. exhibits one of Hay Plows cast entire and finished from the rough Mold marked 2, exhibits a Plow with the above connected — being one entire piece of casting.

In testimony that the above is a true Specification of my said invention as above described, I have hereunto set my hand this twenty eighth day of September in the year of our Lord one thousand eight hundred and thirty five.

Witness

Thomas A. Deykin

I. Amory Davis

Jason Morse