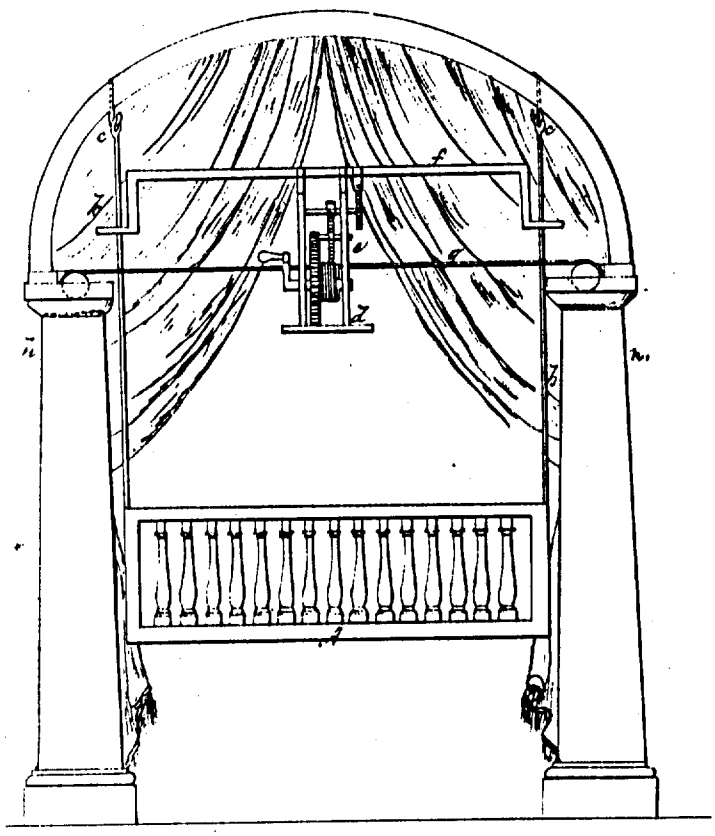
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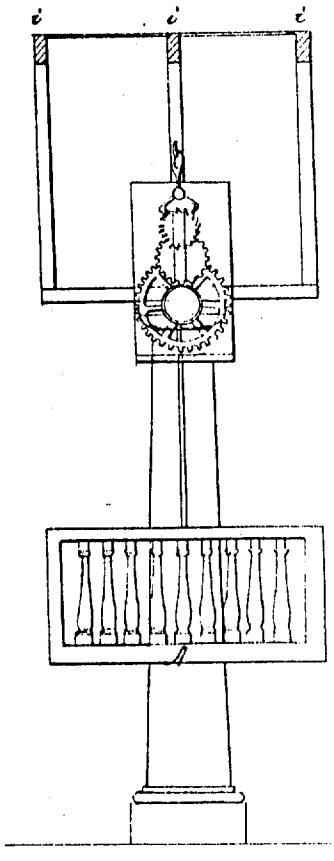
2 Sheets Sheet 1

I. McKinney,

Cradle.

Patented June 13, 1831.





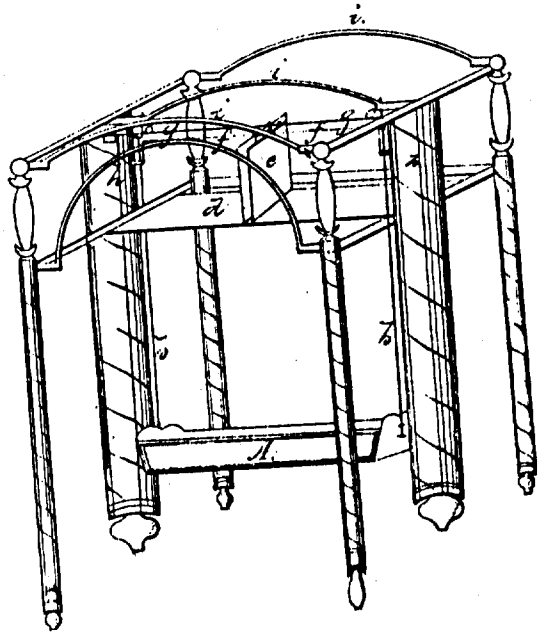
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2 Sheets-Sheet 2

J. McKinney,

Cradle.

Patented June 13, 1831.



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June 13. 1831

423.

John McKinney, Chester Ohio

Clock Pattent

The Schedule referred to in these Letters Patent and Making part of the same Containing a discription in the words of the said John McKinney himself of his Improvement in the application of the Power of the Pendulum to a Machine Called a Swinging Cradle.

To all to whom these Presents shall come Be it known that I John McKinney of Chester in the County of Butler and State of Ohio have invented a new and useful Improvement in the application of the Power of the Pendulum Clock to a Machine Called a Swinging Cradle and that the following is a full and exact description of the construction and operation of the said Machine as invented by me. A is the Cradle swinging as a Pendulum weight b b are the Pendulum rods 8 feet long by which the cradle is suspended c c are pivot hooks in the middle rock to which the Pendulum rods are attached by loops on the ends of the rods d Platform on which the boy is to Stand contains the wheels & boy containing the wheels for axle of the Pulley or barge with cranks at each end by which the Power is applied. g g cords from the barrel of the main wheel to which the weights are attached passing over pulleys to the center posts down which the weights pass there a cavity of 8 inches diameter to the center posts 6 inches diameter with a cavity of 8 inches diameter down which the weights pass 12 inches running length must be supported at bottom.

This Power of Pendulum (the Swinging Cradle) may be made in various forms to suit the fancy of individuals. The form here prescribed is that of a fancy bedstead — the length five feet eight inches the width one foot eight inches supported by four pieces framed into the posts having the front an inch below for convenience and good appearance. The power consist of three wheels the main wheel is cast iron 6 inches diameter containing 72 cogs with a barrel 8 the axle 8 inches diameter on which the weight cords are wound. The axle of the wheel projects so as to receive a crank key such as is used to wind an eight day Clock the barrel being fixed on the axle in the same

manner as that of the clock. The Counter wheel is 4 inches diameter & cast iron containing 48 Cogs with a Pinion on the axle containing 12 Cogs which receive the Cogs of the Second wheel. The Second wheel of brass 3 inches diameter with 24 teeth also having a Pinion on its axle containing 8 Cogs which receive the Cogs of the Counter wheel. The axle of the wheels are 2 3/4 inches in length from Shoulder to Shoulder and of sufficient Strength to receive the power. The axle to which the Ball or Rope is attached should be of Cast Steel 4 inches long and 1/4 inch diameter. On the ends of this axle are the Cranks which fly on the pins by which the Cradle is suspended. The weight attached to each end is 10 pounds. The whole Machine is on the Principle of the Pendulum Clock with this difference only that it is composed of three wheels instead of a greater number.

The Ball or Rope of a suitable size to escape on 4 teeth at every Vibration. What I claim as New and as my own invention a discovery in the above described Machine and for the use of which I ask an exclusive Privilege is the application of the power of the Pendulum Clock to that purpose.

John McKinney

Witness
James Dealtas
Jacob Dearduff

Filed
1811