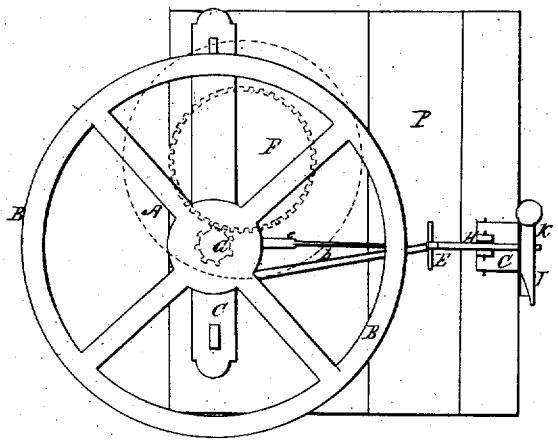
The specification in this patent is not in print.

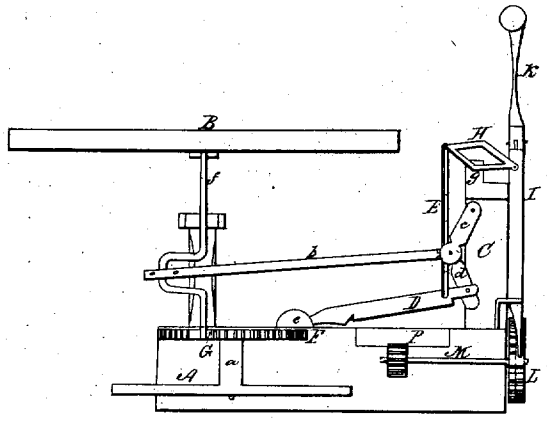
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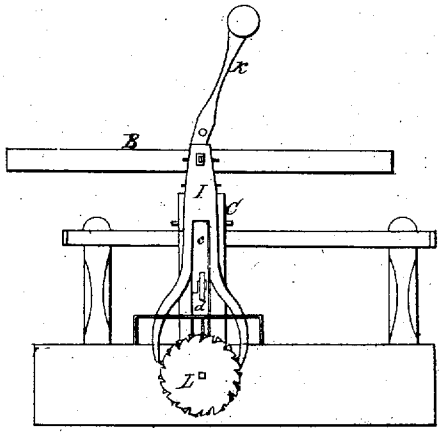
N. Wyeth,

Bread Machine,

Patented May 12, 1834







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May 12. 1834 61.

Noah Wyeth. Kingham. Mass.

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Letters Patent May 12. 1834.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Noah Wyeth himself of his improvement in machinery for more thoroughly incorporating the substances used in the composition of Bread —

To all persons to whom these Presents shall come. Noah Wyeth of Kingham in the County of Plymouth and State of Massachusetts Baker sends Greeting — Be it known that I the said Noah Wyeth have invented constructed made and applied to use certain improvements of machinery to be used for the purpose of more thoroughly incorporating the substances employed in making bread and expediting the process of rolling out the dough which invention I have hereunto described and set forth in connection with the drawings attached which taken together form my specification — A represents a circular platform placed horizontally and turning on a vertical shaft a passing through its centre. Said platform is furnished with a small cleat s affixed around its outer edge for the feet of a horse or other animal used for the purpose to act against and give motion to the machinery. E is a cogged Wheel on the shaft a made of a proper size and material, the teeth of which engage with and act on the teeth of a pinion G on the upright vertical shaft F. The shaft F turning at its lower end bottom in proper boxes or supports is bent in the form of a bell crank in the centre and has on the top or in any other convenient part of it a fly wheel B. to regulate the motions — This crank part of the shaft has connected with it the end of a long pitman b in any convenient or proper manner. The said pitman b receives a backward and forward motion by the rotating of the crank and rolls at its opposite extremity on the two toggle joints c. d. which during a revolution of the crank are brought in a straight line twice. The upper end of the toggle c. is connected by a joint to the frame work e. while the

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lower end of its sprocket toggle d. is attached by a joint to the stamper D and the movements of the toggles to and fro alternately raise and depress the said stamper D. The stamper D vibrates in a proper bearing or guide on at its other end c. as seen in the drawing. E is an upright bar of iron or suitable material with an opening in the centre to admit the passage through and horizontal movements of the pitman. The said bar E is connected at its foot by and turns upon a pin or bolt in a convenient part of the stamper D while it is attached and turns at its top by a similar pin or bolt to the end of the lever beam H. turning on bearings or journals on the top of the frame work C at G. This lever beam H has its other extremity attached by a joint to the forked pull F. shaped as seen in the figures or otherwise properly made— This pull F is moved upwards and downwards by the vibratory action of the lever beam H. On the top of the pull and connected to it by a joint is a governor rod K having a weight on its end. This weight can be inclined at an equal angle on each side of the perpendicular bar and as it is thrown either to the right or left its weight acts to bear one of the feeders against the double ratchet wheel I. which it moves round during its rectilinear motions upwards and downwards. The double ratchet wheel I is composed of two wheels. the teeth of which circumferences are set in opposite directions, that is to say. those on the outer are acted on by the left fork of the pull while those on the inner receive the weight for the which it is kept inclined to play in them. The wheel I is fixed on the shaft M. which shaft M. revolving in proper journals & boxes has on its other extremity a cog pinion O. which plays into a cogged rack attached to the under side of the movable platform P. sliding on friction rollers and moving properly and smoothly in guides &c. to and fro. — The dough being placed on the platform and the machinery put in motion by animal or other force. the power is communicated from the cog wheel E to the pinion F in the shaft L from the two cranks of the pinion b to the toggles c d which are alternately brought into a vertical line with each other and caused to depart from the same thereby moving and depressing the stamper D the lower edge of

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which is shaped like a blunt wedge to press the dough asunder as it is brought down upon it. By the intervention of the bar E. the lever beam H and forked pallet I acting together the motion of the stamper D turns the ratchet wheel I. its shaft M and pinion O moving the platform a proper distance to present to the lower edge of the stamper D a fresh portion of the dough to be separated at every stroke of it downwards. When the dough has been rolled on thoroughout it is doubled up by the attendant who throws up the governor K to the opposite side when the other cam of the pulley is brought to act on the ratchet wheel and reverses the movement of the platform P and brings the dough under the influence of the stamper D and so on until it is sufficiently rolled for the purpose of baking

What I claim as new and my invention is the application of toggle joints to the stamper D and the combination of machinery for moving the platform P for accomplishing the above purpose of rolling thoroughly by incorporating the articles used in the composition of bread

In testimony that the above is a true specification of my said invention I have hereunto set my hand this nineteenth day of April in the year of our Lord eighteen hundred and thirty four.

Witnesses

Robert H. Eddy

W. E. Prescott

Noah Wyeth.

Drawing

1079 words

E.S.

C.K.S.W.