TAPLIN & EDDY.

Thrashing Machine.

No. 4,784.

Patented Oct. 3, 1846.

Fig. 1

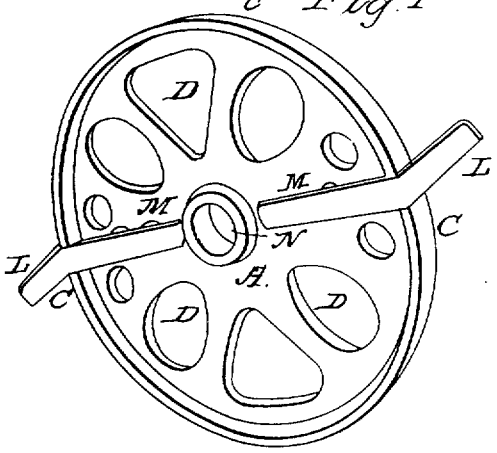


Fig. 2

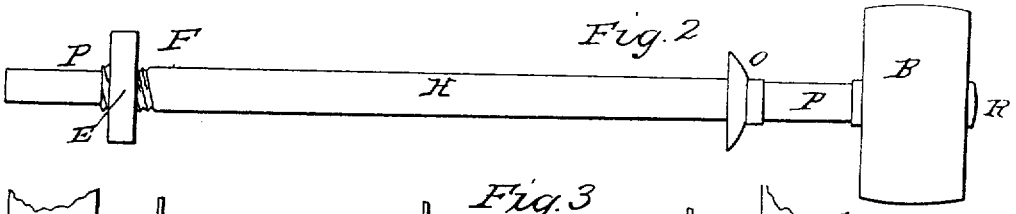
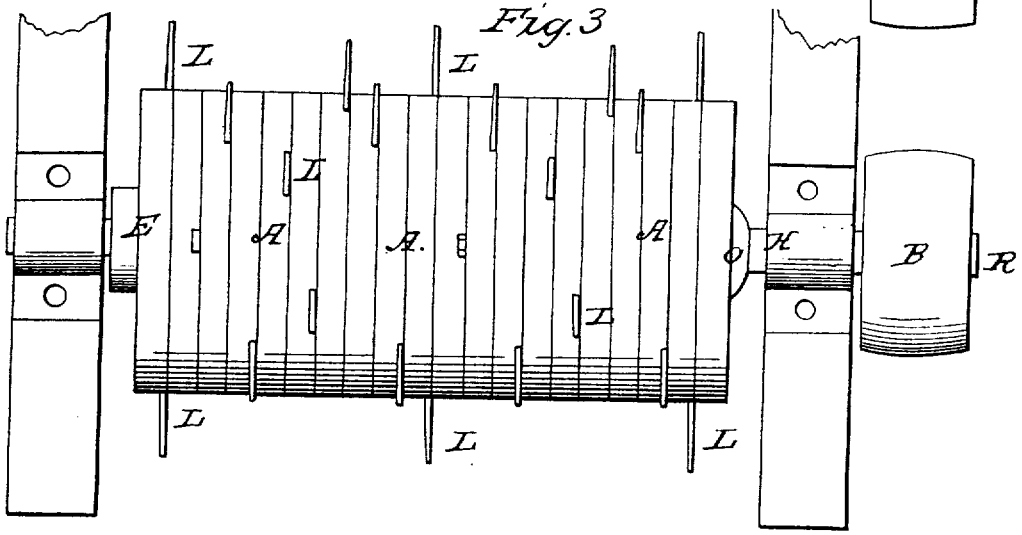


Fig. 3



UNITED STATES PATENT OFFICE.

WALDEN EDDY, OF EASTON, AND JOHN A. TAPLIN, OF FISHKILL, NEW YORK.

THRESHING-MACHINE.

Specification of Letters Patent No. 4,784, dated October 3, 1846.

To all whom it may concern:

Be it known that we, WALDEN EDDY, of Easton, county of Washington, and JOHN A. TAPLIN, of Fishkill, Dutchess county, State of New York, have invented a new and useful improvement in the method of inserting teeth in cylinders to threshing-machines, in combination with the manner of constructing cylinders to threshing-machines of a series of cast-iron heads, so as to obviate the danger resulting from the breaking or bursting of the cylinder and preventing the teeth from being thrown out; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, in which—

Figure 1 letter A is a disconnected view of the cast iron head, in circumference of any of the known sizes of cylinders being one-fourth of an inch or any desired thickness in proportion to the size of the cylinder required with apertures letters D to render the head light, letter L. The teeth, six inches in length, three-fourths of an inch in width, and three-eighths of an inch in thickness, let into a flange, letter C, and passing along the head to letter M, and with a turn forming a right angle, passes through the head and is riveted on the opposite side of the head. The teeth are made of wrought iron, and two teeth inserted in each head in the manner above described, and as described in the said Fig. 1 in the annexed drawing. Letter N is the aperture through which the arbor passes being one and a half inches in diameter, or in proportion to the size of the cylinder required. Letter C a flange cast on the periphery of the head one inch wide projecting on both sides of the head three-eighths of an inch. Fig. 2 is a disconnected view of the arbor, letter H, upon which the heads, letter A (Fig. 1) are confined. Letter F, a screw. Letter E a nut to confine the heads on the arbor letter H. Letter B the pulley around which the band revolves which gives motion to the arbor, letter H. Letter O a flange fastened to the arbor, letter H, to confine the heads, letter A, (Fig. 1), to the arbor, letter H. Letter P the bearings of the arbor, letter H, on which it revolves in the boxes. Letter R a nut which holds the pulley on the arbor. Fig. 3 a connected view of the cylinder composed of a series of cast iron heads, letter A (Fig. 1) placed upon the arbor, letter H (Fig. 2). The head, letter A, confined to the arbor, letter H, by the flange, letter O (Fig. 2) and the nut, letter E (Fig. 2) so that the heads will revolve with the arbor, letter H, (Fig. 2) unless obstructed by some hard substance in which event the head or heads so obstructed will revolve on the arbor, letter H, and prevent the breaking or bursting of the cylinder. Letter L the teeth (Fig. 1) so fastened in the heads, letter A, as to prevent their being thrown out. Letter B the pulley around which the band revolves which gives motion to the arbor, letter H. Letter R a nut which holds onto the arbor, letter H, the pulley, letter B.

What we claim as our invention and desire to secure by Letters Patent is—

The mode of inserting the teeth in the cylinder to threshing machines, in combination with the manner of making the threshing cylinder in several sections of cast iron heads the whole constructed and operating in the manner and for the purpose hereinbefore described.

WALDEN EDDY.
JOHN A. TAPLIN.

Witnesses:
CHARLES R. INGALLS,
O. K. RICE.