LEMAN B. PITCHER – PATENTS

Transcribed by Michael F. McGraw

Patent 60,055 LEMAN B. PITCHER, Salina, N.Y. – *Mortar Mill.* – November 27, 1866. –
The lime is slaked in a revolving barrel and discharged into a settling vat. From this the paste passes to the curing vat, and from thence to the three revolving mixing cylinders. The "cylinders" (so called) are slightly tapering, and have teeth on their inner surfaces intended to mix the mortar and gradually to forward it to the discharge end.
Claim. – The cylinder A B C and D, with or without any of the attachments which form a part of either of them, made and operated substantially as and for the purposes described.
Also, the mechanical process of making mortar therewith, substantially in the manner described.

Source:
Executive Documents, Printed by Order of The House of Representatives, During the Second Session of the Thirty-Ninth Congress, 1866-'67, Vol XVI, Part 2, p. 1487.

No. 7272.. – *Improvement in Hydraulic Regulators for Machinery*.
In this invention, I do not claim the size, form, or shape of any piece or part as new, or the general combination of pumps, pistons or floats, or other parts connected to the machinery to be regulated, or to the motive power to be regulated, which are in use in the general combination of hydraulic motion regulators; but claim to have overcome two several difficulties, which have heretofore existed in this kind of regulators, as follows:

First. The want of sensitiveness to take early notice of any variation of motion, or quickness in motion to open or close the steam valve, of power energetically applied to overcome friction of steam valve.

Secondly. The difficulty which has always existed in obtaining and maintaining a uniform discharge of water or liquids, from under pistons, rising and falling as motion varied, connected to steam valve, and acted upon by water moved by pumps; but I do claim and desire to secure by letters patent of the United States. The combination of pump, A, moved with a reciprocal motion, with machinery sought to be regulated, and with water or fluid acting on piston C, and parts connecting it to steam valve, which controls the steam moving said machinery in such a manner as to cause the piston, to rise and fall at each action of pump A, without moving the valve, while the machinery has the proper speed, and moving, or opening, or closing said steam valve with a quick striking motion, or overcoming friction about said valve, as with the blow of a hammer, when the motion of said machinery is too fast or too slow, or any analogous arrangement which will produce the same result, substantially in the manner and for the purposes and objects herein before shown and set forth.
LEMAN B. PITCHER

Source: Report of the Commissioner of Patents, for the Year 1850,
31st Congress, 2nd Session, Ex. Doc. No. 32, Part I, Arts and Manufacturers, Washington: Office of Printers To House of Representatives, pp. 161-2

44. For an Improvement in Hydraulic Regulators for Machinery; Leman B. Pitcher, Syracuse, Onondaga county, New York, April 9; ante dated March 23.

Same as above patent

Source:
Journal of The Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts Devoted to Mechanical and Physical Science, Civil Engineering, The Arts and Manufacturers, and The Recording of American and Others Patented Inventions
Edited by John F. Frazer, Assisted by the Committee on Publications of the Franklin Institute, Third Series, Vol XX, Whole No. Vol. L., Philadelphia: Published by the Franklin Institute, at their Hall, p. 43