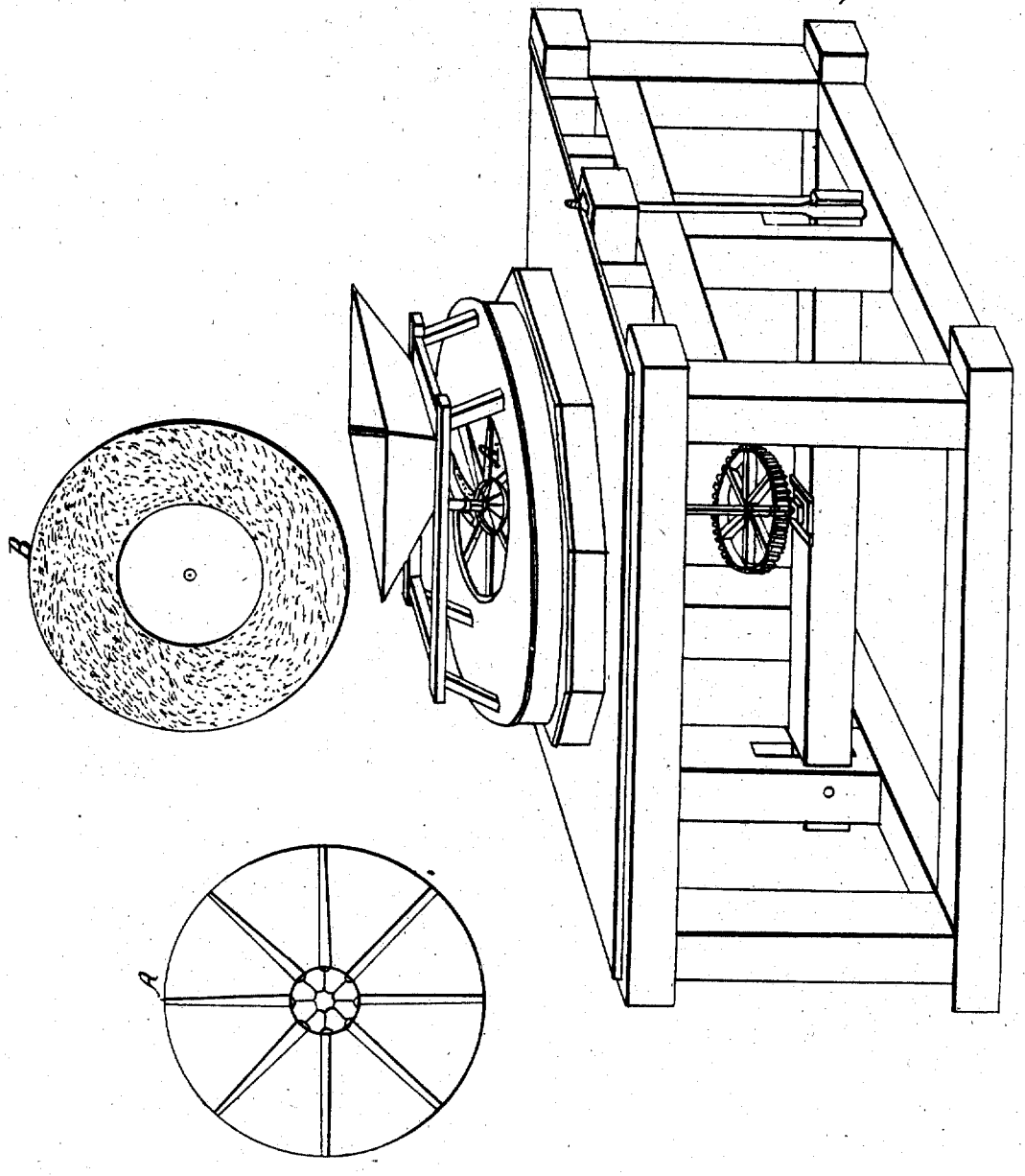
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Strong & Moody,

Rice Cleaner.

Patented Apr 26. 1833.



87556 Oct 26. 1833

Theodore F. Strong and Marcus L. Moody
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 Theodore F. Strong, & Marcus L. Moody themselves of their improvement in the machine for Hulling, Cleaning & polishing Barley Rice &c.— To all persons to whom these presents shall come. Be it known that We Theodore F. Strong house carpenter & joiner & Marcus L. Moody Cabinet Maker both of Southampton in the County of Hampshire & Commonwealth of Massachusetts citizens of the United States of America have jointly invented a new and useful improvement in the mode of hulling cleaning & polishing of Rice, Barley Groats corn and other small seeds having a hard kernel, and difficult to separate from the hull or husk, and which they have denominated Strong & Moody's second improved Huller Smutter & polisher, and that the following is a full and exact description of the construction and operation of said machine and improvement, as improved and invented by us. This improvement consists of two flat or Mill Stone shaped cylinders of any required diameter placed on a perpendicular shaft similar to the stones in a grist mill. The upper cylinder is made of cast iron, having a sheathing on the under side made of wood. The under cylinder is made of cast iron having a sheathing on the upper side made of wood. The under side of the upper cylinder and the upper side of the lower one, are to be studded, clothed, or charged with coarse emery, or other siliceous substance, or with smalt or other hard and siliceous composition, firmly united to the surface of the cylinders, running against each other by strong glue or other cement. The upper cylinder is moved by an upright shaft to which it is affixed. While the lower one is suspended on a platform of iron or brass is placed on the outer edge of the lower cylinder and made of

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of metal or wood having an opening or orifice through which the seeds are ejected after having passed through the cylinders. From this pair of cylinders the seeds are passed through a winnower & screen. & from thence into one or more pairs of cylinders (with intervening winnowers & screens,) shaped precisely like the first pair above mentioned, but clothed charged or studded with strong card teeth pins, or points of metallic wire set in leather or any other strong and elastic substance. From the last pair of the last mentioned cylinders, the seeds are to be passed through a winnower & screen. If a higher polish is required than is produced by the foregoing machinery, the seeds may be passed through another pair of cylinders precisely like the before mentioned, studded, charged or clothed with any firm and stiff bristles or hair, or with the skin of the dogfish, having an underlay of india rubber or other elastic substance— Or— instead of the short or mill stone shaped cylinders above mentioned, a truncated cone and corresponding hollow cylinder may be substituted, clothed, charged & studded as is before described and specified for the mill stone shaped cylinders. Method of Operation. The seed to be cleansed, hulled or polished is to be passed from a hopper into the rough cylinder first above mentioned, from thence into a winnower & screen, thence into the pairs of card teeth clothed cylinders above mentioned with their intervening winnowers & screens, from thence into the polishing cylinders above mentioned, and from thence into a winnower screen & bolt. The improvement claimed by the said Storey & Moody in this application as herein specified and described, is the method of hulling cleaning & polishing or burnishing of rice, barley, buckwheat and other small seeds having a hard shell and difficult to separate from the hull or husk by means of steel flat, or mill stone shaped cylinders or of truncated cones revolving

backing in card forming hollow cylinders, clothed, charged, or studded on their corresponding surfaces, as above described, and specified, with coarse Canary, or other hard dicorient substance or with small, or other hard and vitreous composition, firmly united to the surfaces of the cylinders, or of the cone and cylinder, by strong glue, or other cement and used in connection, with other cylinders, or cones and cylinders, clothed, charged, or studded with card teeth, pins or points of metallic wire— with bristles hair, or skin of the dog fish, as is herein before described, and specified, and that claim in this present invention is, as an improvement on Strong & Moody's Hatter Smoother & polisher which was secured to the present applicant by Letters Patent, from the United States— dated August 29th A.D. 1832— and also as an improvement on Strong & Moodys improved patent hatter smoother & polisher, which was secured to the present applicants by Letters Patent from the United States dated November 17th A.D. 1832—

In testimony that the above, is a true specification of our said improvement and joint invention as above described, we have hereunto set our hands at Northampton aforesaid, this twenty eighth day of February, in the year of our Lord one thousand eight hundred and thirty three—

Witness

Sam'l S. Hinckley
Asa. O. Lyman
Sam'l Wells Jr.

Theodore A. Strong
Marcus T. Moody

(Recorded)

(Seal)