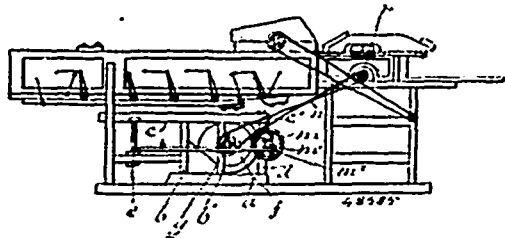


compress it within or against said flask, substantially as specified. 5th. The mode herein described of forming moulds for casting ear-wheels, said mode consisting in measuring the proper quantity of sand to form the mould, dumping said sand onto the face of a pattern, rotating the pattern with the sand dumped thereon, and causing a sweep or shaper bar to distribute the sand evenly over the face of the pattern, and to impart to the upper or back face of the sand a shape approximating to that of the pattern, applying to said shaped face of the sand a flask conforming thereto, and impressing a pattern into the sand so as to compress the latter within or against said flask, substantially as specified.

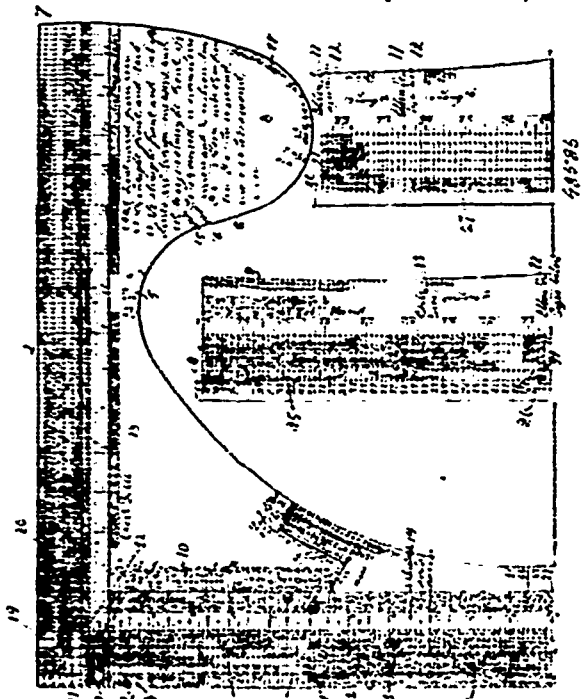
**No. 28,585. Threshing-machine. (Machine à battre.)**



The Firm of Matthew Moody & Son, assignee of Melasippe Forget, both of Terrebonne, Quebec, Canada, 3rd April, 1886; 6 years.

*Claim.*—1st. In a threshing-machine, having a blower variable as to the speed of its operation. 2nd. In a threshing-machine having a blower and agitator, with their operating mechanism, and the agitator actuated through the blower operating parts, the blower being variable as to the speed of its operation without alteration of the working speed of the agitator, as set forth. 3rd. In a threshing-machine having a blower and agitator with operating pulleys and band for the former, and actuating pitman for the latter, an additional pulley driven by the blower operating band and to which said pitman is connected, for the purpose set forth. 4th. In a threshing-machine having a blower and agitator with operating pulleys and band for the former, and actuating pitman for the latter, an additional pulley to which said pitman is connected and which is driven from the cylinder operating shaft, for the purpose set forth. 5th. In a threshing-machine, the combination, with the blower and agitator operating parts, such as the pulley *g*, and band *n* for the former and pitman for the latter, of a second or additional pulley *m* suitably mounted and driven by said band and to which said pitman is connected, as described and for the purpose set forth.

**No. 48,386. Dress Chart. (Patron pour vêtements.)**



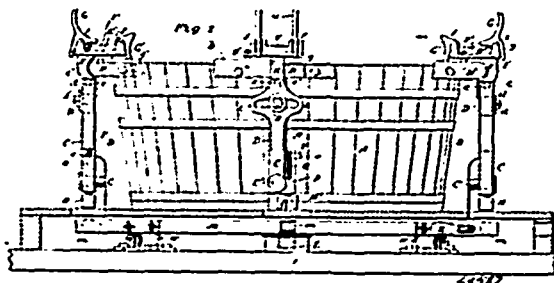
Labbie Ann Call, Oshkosh, Wisconsin, U.S.A., 3rd April, 1886; 6 years.

*Claim.*—1st. The herein described dress chart, having angularly disposed arms, one of which is provided with a rounded lobe *8*,

having the convex curve *5*, *6*, *7* designed for laying-off the neck, arms, eye, &c., substantially as specified. 2nd. The herein described dress chart, having angularly disposed arms whose outer edges are at a right angle to each other, and whose inner edges are curved, as shown at *4*, *3*, *5*, *6*, *7*, substantially as specified. 3rd. The herein described chart or form, having angularly disposed arms provided with proportionate scales relative to given bust measurements, such scales being arranged in columns parallel with the edges of the arms, the inner sides of the arm being provided with a curved edge *4*, *3*, *5*, and a rounded lobe *8*, substantially as specified.

**No. 48,387. Washing-machine.**

(Machine à laver les barils et tonneaux.)



Charles Leibman Kline, New York, State of New York, U.S.A., 3rd April, 1886; 6 years.

*Claim.*—1st. In a barrel or keg washing-machine, the combination with a cleansing vat containing water and adapted to hold a barrel or keg to be washed, a carrier or holder for a keg or barrel, parts of which are adapted to elevate a keg or barrel from the vat and mechanism for imparting a four-way movement to the said carrier, as and for the purpose described. 2nd. In a barrel or keg washing-machine, the combination with one or more barrel holding devices, a reciprocating wheel, intermediate mechanism for transmitting motion from the reciprocating wheel to the barrel holding mechanism, and devices for throwing the intermediate mechanism into and out of connection with the reciprocating wheel, substantially as described. 3rd. In a barrel and keg washing-machine, the combination of one or more barrel holding devices, a wheel having a circumferential reciprocation, intermediate mechanism through which motion is transmitted from the wheel to the barrel holding mechanism, and a yoked locking device for connecting said wheel and intermediate mechanism together, substantially as and for the purpose described. 4th. The combination with a wheel having a circumferential reciprocation, of barrel holding devices, pivoted levers connected respectively to each of the barrel holding devices, and locking devices in said pivoted levers engaging with said wheel, the said locking devices having moving portions which are substantially parallel to the axis of the wheel, whereby each of the pivoted levers may be separately and independently thrown into and out of operative connection with the said reciprocating wheel, as and for the purpose set forth. 5th. The combination with a vat adapted to be partly filled with water and to hold a keg or barrel to be washed, of a carrier above the edge of the said vat, for receiving the keg or barrel from the vat and having two pairs of curved arms, one of which is pivoted to the carrier and adapted to be turned down into the vat, as and for the purpose set forth. 6th. The combination of a carrier for kegs or barrels, loosely pivoted at the top of a vertical lever, and provided with a pin extending downward into a curved slit in the support of said lever, as and for the purpose set forth. 7th. The combination with a barrel holding device of a vertical shaking lever connected thereto and pivoted near its bottom, mechanism for reciprocating the same, and a yoke or key attached to the said lever and adapted to be moved in and out, for the purpose of throwing said lever into and out of operative connection with the said reciprocating mechanism, substantially as described. 8th. The combination with a vat, partly filled with water, of a carrier above the edge of the vat, the said carrier being adapted to contain a keg or barrel, and having a sluiceway for leading water from the keg or barrel back into the vat, as and for the purpose set forth.

**No. 48,388. Telephone. (Téléphone.)**

The Bell Telephone Company of Canada, Montreal, Quebec, Canada, assignee of Wilton Lancaster Richards, Mahlen, Massachusetts, U.S.A., 3rd April, 1886; 6 years.

*Claim.* 1st. In a telephone transmitter a hollow block of slate forming the casing and side walls of the resistance containing chamber, said block containing a fixed electrode at the rear of said chamber, a vibratory electrode mounted and adapted to vibrate within the front opening of said chamber, and finely divided conducting material placed within said chamber and between said electrodes, substantially as described. 2nd. In a variable resistance button for a transmitting telephone, the combination of a hollow block of slate forming the casing and side wall of the resistance containing chamber, a fixed electrode secured within said chamber and forming its