No. 27,325, Machinery for Drying Pile and other Woven and Felted Fabrics. (Appareil pour sécher les étoffer à poile, et autres etoffes tissées et feutrees.)

Henry Lister, Huddersfield, Eng., 2nd August, 1887; 5 years.

Henry Lister, Huddersfield, Eng., 2nd August, 1887; 5 years.

Claim.—1st. In combination with a machine for drying pile and other woven or felted fabrics, consisting of two discs, such as A and B, of the plate wheel J, rotated as described, free to move on spindle K, and rotating disc S at constantly varying speed by means of projections m set in spiral curve on face of T, and intermeshing with J, all as and for the purposes set forth. 2nd. In combination with a machine for drying pile and other woven and felted fabrics, consisting of two disks, A and B, and means for varying velocity of said discs to correspond with varying diameter of fabric being wound on said discs of the lever O and bell crank P connected together, operated by plate wheel J and operating sliding bar Q and its connections, as and for the purposes set forth. 3rd. In combination with the discs A and B, of the additional spiral grooves / cut therein for receiving the runners g, and studs jt, for the purposes substantially as herein described. 4th. In combination with a drying machine, having discs A and B, of the cylinder or roller H, provided with right and left-handed spirals on its surface, for the purpose of stretching and removing the creases from the fabric. 5th. In drying machines, such as herein shown, the use of the notched or serrated bars or laths G, for the purpose of stretching and removing the creases from the fabrics. 6th. In combination with the discs A and B, the employment of the toothed straps p, for bolding the selvedges of the fabric as it enters the machine. 7th. In combination with the discs A and B, the use of the rack U, and pawl w for removing the pressure off the nut V, substantially as described.

No. 27.326. Brake for Trucks. Waggons. or

No. 27,326. Brake for Trucks, Waggons, or Vehicles. (Freins pour wagons ou voitures.)

John B. Crosby, Bonshaw, P.E.I., 2nd August, 1887; 5 years.

Claim.-1st. The combination of the yoke C, the rod A, the pole B, the double tree E with buffers, the slit or socket in the pole, the double tree bolt and the front wheels H, H, substantially as and for the purpose hereinbefore set forth. 2nd. The combination of the buffers, with the clasp and slit, and the double tree E and the front wheels H, H, substantially as and for the purpose hereinbefore set forth.

No. 27,327. Transmitter for Electrical Type (Appareil transmetteur pour Writers. graphotypes electriques.)

James F, McLaughlin, Philadelphia, Penn., U.S., 2nd August, 1887;

Claim.—Ist. The combination of two instruments, respectively located each at an extremity of a line circuit, as shown, and consisting each essentially of a series of circuit-closing keys, having elongated stems which engage and intercept the rotation of a revolving Ocated each at an extremity of a line circuit, as shown, and consisting each essentially of a series of circuit-closing keys, having elongated stems which engage and intercept the rotation of a revolving contact brush arm when a key is depressed, a series of normally charged retracting springs, corresponding in number and relative situation to the series of keys, and adapted to make contact with a series of vertically adjustable segments, a series of segments arranged to be normally in or out of contact with the retracting springs, and corresponding in number and relative situation thereto, a central shaft revolving in unison with the shaft of the other instrument, and provided respectively with an exterior indicating arm, an interior brush-arm normally in contact with the segments, and an armature disk mounted rigidly upon the said central shaft, and projecting in the centre of the magnetic field of an electro-magnet, an electro-magnet in circuit with the source of electricity at the other end of the line, and as unitable device, as shown, for electrically connecting the rotating shaft with the line circuit, the whole being arranged to operate, as set forth, with two sources of electricity, respectively at each end of the line, the switches and the electrical connections, whereby the successive and separate electric pulsations transmitted from either extremity of the line-circuit are received and indicated at the other extremity, as specified. 2nd. The combination of a suitable source of electricity, the retracting springs, the wires connecting each of said springs with the switch, a three-point switch having its lever in circuit with the battery, and one of its points in circuit with all of the retracting springs, and the circuit-closing keys provided each with an elongated stem, as specified. 3rd. The combination of the series of insulated segments, surranged and relative situation thereto, as set forth. 4th. The combination of the extension-rods of the keys, and the contact-springs arranged allows and pivot

tially as described. 8th. The combination of the vertically-adjustable segments and contact springs, with the central revolving shaft, and the rotating brush-arm mounted thereon and adapted to rotate in contact with said segments, substantially as set forth. 9th. The combination of the series of keys mounted in the removale or contact with said segments, substantially as set forth. 9th. The combination of the series of keys mounted in the removale with collars and extension rods, picroing: the ends of the retracting springs, and of sufficient length to intercept the rotation of inner contact-bush arm, when a key is depressed with the retracting test springs, and the inner brush-arm mounted rigidly on the central rotating shaft, substantially as shown and described, 10th. The combination of the vertically-adjustable segments, and their respective keys having stems and collars, as shown, and provided with extension rods picroing ends of retracting springs, and of sufficient length to intercept the rotation of the inner rotating contact break-arm, substantially as shown, and set forth. 11th. The combination of the series of circuit-closing keys, suitably mounted in movable lid or nead of contral-baft, and the inner rotating contact break-arm, substantially as shown, and set forth. 11th. The combination of the series of circuit-closing keys, suitably mounted in order in the suppression of sufficient length to intercept the rotation of inner rotating brush arm adjustably mounted on the contral revolving said segments, and the superior substantial provided with solars, as substantial provided with solars, as a supporting said segments, provided with collars, as shown, the external indicates the support of the supporting said segments, provided with collars, as shown, the external indicating stantial substantial subst