G, for operating the conveyor or conveyors, a shaft H^{1} , provided with a bevel gear or gears, as H, for giving motion to the shaft or shafts E, a hopper, or hoppers, as I, for containing the articles to be fed to the conveyor or conveyors, and a graduated receptacle or receptacles to receive the articles as they are carried forward by the conveyor or conveyors, all substantially as described.

No. 22,633. Combined Bill Distributing and Advertising Machine. (Machine à Distribuer les Affiches et Armoncer)

James Castle, Toronto, Ont., 14th October, 1885; 5 years.

James Castle, Toronto, Ont., 14th October, 1885; 5 years.

Claim.—1st. A combined bill-distributing and advertising machine, composed of a series of rollers and elastic bands, located within a suitable case, having a glass panel in the front, and displaying a travelling advertising sheet, and a notice placed above a protruding handbill inviting visitors or passers by to take one, substantially as shown and described and for the purposes set forth. 2nd. In a combined bill-distributing and advertising machine, constructed as described, the rollers E, F, G, H, I, J and K, in combination with the elastic bands L. L. and a protruding hand-bill C, in front of others wound upon a roller, as specified and described, and operating as set forth. 3rd. In a combined bill-distributing and advertising machine, constructed as described, the rollers N, O, P, in combination with the travelling sheet D and the bands L, L, arranged and operating substantially as set forth. stantially as set forth.

No. 22,634. Gearing and Relief Mechanism for Driving Rolls, etc. (Mécanisme d'Engrenage et de Secours pour Mettre en Mouvement les Cylindres, etc.)

William F. Cochrane, Cambridge, Ind., U. S., 14th October, 1885; 15

Mouvement les Cylindres, etc.)

William F. Cochrane, Cambridge, Ind., U. S., 14th October, 1885; 15 years.

Claim.—let. In combination with a hollow roll mounted in adjustable bearings, and a driving shaft passing longitudinally through said roll, and supported in fixed bearings, the improved universal gear or coupling, consisting essentially of the two adjacent sleeves or hubs provided with toothed flanges at their opposite ends, and attached, the one to the journal of the roll, and the other to the driving shaft, and the sleeve or coupling surrounding the first-mentioned sleeves or hubs, and provided with teeth at each end engaging the teeth on the flanges of said sleeves or hubs, substantially as described. 2nd. The improved universal coupling, constructed substantially as described and arranged for connection, two rotating shafts lying in parallel planes, and adjustable laterally, the one with respect to the other, consisting of the two hubs or sleeves with toothed flanges upon their opposite ends, and the hollow coupling or sleeve having spherical bearings at each end upon one of said hubs, and provided with teeth engaging the flanges, substantially as described. 3rd. As a means for connecting and driving both of a pair or set of rolls, of which one roll is adjustable towards and from the other, the combination of the rolls supported in independent bearings, the driving shaft passing through the enlarged longitudinal opening in the movable roll for digiving the latter, substantially as described. 4th. In combination with a pair of rolls, one of which is adjustable towards and from the other, a driving shaft mounted in bearings having a fixed relation to the journal of the non-adjustable roll, and connecting the adjustable roll and shaft, substantially as a described, one time of the pairs of rolls and roll, and a universal coupling, such as described ones to the dajustable roll and to a single line of shafting, two or more sets or pairs of rolls and pairs of rolls shaft and roll, and a universal coupling,

roll and its driving mechanism when the former is forced back, substantially as described. Ilth. In combination with a roll mounted in movable bearings, and held to its work by an elastic or yielding pressure device, a driving shaft with intermediate gearing connecting it to said roll, a clust for connecting and disconnecting and disconnected on, and actuated by, the movable bearings of the roll, to hip the clutch and stop or start the roll, substantially as and for the purpose set forth. 12th. In combination with the main driving shaft, the rolls and the gearing in the gearing for pair of rolls, one of which rolls is mounted in movable bearings, a relief mechanism connected to said movable bearings and provided with discress for disconnected to said movable bearings, and provided with discress for disconnected to said movable bearings, and provided with discress for the purpose set forth. 14th. In combination with the adjustable roll mounted in laterally movable bearings, a shaft connected to and actuated by the said bearings when the latter are moved outward, and actuated by the said bearings when the latter are moved outward, and a clutch operating or disengaging mechanism, such as described, for actuating the elattor of disengaging devices, said relief mechanism being provided with independent attachments to each of the movable bearings, a well as the provided with independent attachments to each of the movable bearings, and lastic ory reliefung pressure devices applied to each of said bearings, as and for the purpose specified. 17th. The combination, with a roll supported in movable bearings, and actuated by the movable bearings, the driving shaft passing through the adjustable roll, gearing intermediate and shaft and the r

No. 22,635. Dental Engine. (Engin Dentaire.)

Arthur W. Browne, Westfield, N.Y., U.S., 14th October, 1885; 15

The combination of the driving shaft with the chuck Claim—1st. The combination of the driving shaft with the chuck or tool-holder by means of a slip-joint, or telescoping driving connection, consisting of rigid tapered or bevelled end driving ribs or fingers, substantially as described. 2nd. The combination of the driving shaft with the chuck or tool-holder by means of a slip-joint, or telescoping driving connection, consisting of rigid driving ribs or fingers projecting from the chuck or tool holder and the driving shaft, respectively, and the central socket and pin guiding and steadying connection, substantially as described. 3rd. The combination of a hand-piece casing, with a supporting sleeve, by means of a telescoping or slip-joint connection, and a sectional screw-rib locking con-Claim-1st.