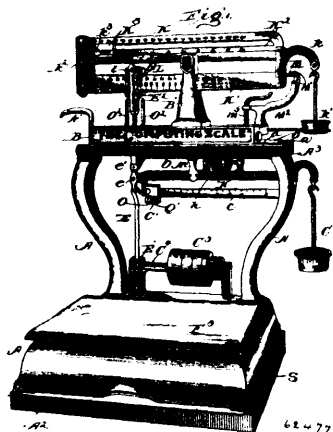


the said springs for regulating the tension of the springs, substantially as shown and described. 7th. A device of the class described, provided with a resistance, comprising a frame mounted to swing, and under the control of the operator, rods fitted to slide in the said frame and adapted to rest on the keys, springs held on the said frame and engaging the said rods, each of the springs being provided with a block or weight at its free end, a bar adjustably held over said springs for regulating the tension of the springs, and means, substantially as described, for adjusting said bar over the said springs, as set forth. 8th. A device of the class described, provided with a resistance comprising a frame, rods fitted to slide in the said frame, springs pressing on the said rods, a bar adjustably held over the said springs, means for shifting the said bar, and a device for indicating the position of the bar relatively to the springs, as set forth. 9th. A device of the class described, provided with a rock shaft under the control of the operator and carrying arms, posts fitted to slide vertically and provided with feet engaging the said arms, hinged arms connected with the said posts, and a rail carried by the said hinged arms and adapted to engage jack-levers, substantially as shown and described.

No. 62,477. Weighing and Price Scale. (Balancer.)

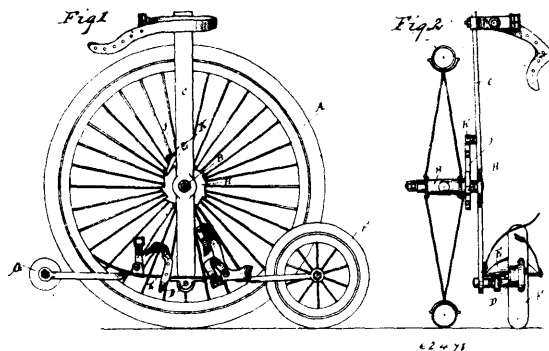


Orange Oscar Ozias, Dayton, Ohio, U.S.A., 26th January, 1899; 6 years. (Filed 5th August, 1898.)

Claim.—1st. In a price scale, a price beam and price poise movable relatively to each other, and connections between the price poise and platform, in connection with a price poise lifter, independent of the platform connection, and having bearings separated from each other in the plane of relative movement of the price poise and beam. 2nd. In a price scale, the relatively movable computing beam and poise for determining by their relative positions the price per unit of weight of an article, with means for holding said beam horizontally out of engagement with the price poise while the two are being shifted with relation to each other, and for engaging said price poise with the beam when brought to the proper position of adjustment. 3rd. The use in a price scale of a price beam having a notched or serrated edge in connection with a price determining poise having teeth co-operating with said notched or serrated edge, and an anti-friction roller for facilitating the relative movement of the price poise. 4th. In a price scale, the combination with a relatively movable price beam and price poise, and connections between the said price poise and platform, of a poise lifter independent of the platform connection having separated poise lifter posts co-operating with bearings in the price poise on opposite sides of the platform connections, whereby tilting of the price poise in the plane of relative movement of the price beam is prevented. 5th. In a price scale, the combination with a relatively movable price beam and price poise and connections between said price poise and platform, of a vertically movable price poise lifter independent of the platform connection and co-operating with the price poise below the plane of the bottom of the beam. 6th. In a price scale, the combination with a relatively movable price beam and price poise, said beam having a slot or recess in its lower edge, of an anti-friction roller mounted in the price poise and working within said slot or recess, as set forth. 7th. In a price scale, the combination with a relatively movable price beam and price poise, said beam having a slot or recess in its lower edge, of a spring-pressed anti-friction roller mounted in the price poise and working within said slot or recess, as set forth. 8th. In a price scale, the combination with a relatively movable price beam and price poise, said beam having a slot or recess in its lower edge, of an anti-friction roller mounted in the price poise and working within said slot or recess, with means for lifting the price poise to support the beam on said roller, substantially as described. 9th. In a price scale, the combination with the base, the carriage movable longitudinally thereon, the price beam fulcrumed on the carriage, the price poise on the beam and the connector for the platform connected with said price poise, of the links pivotally mounted on the base, the poise lifter carried

by said links and having posts co-operating with the under side of the price poise beneath the beam on each side of the platform connector with means for raising and lowering said poise lifter. 10th. In a price scale, the combination with a notched beam having a toothed or serrated edge, of the poise sliding on said beam and the snap lock carried by the poise and adapted to be automatically held either in its operative or inoperative position. 11th. The use in a scale having a beam with a notched or serrated edge, of a poise co-operating with the beam and having a roller co-operating with said notched or serrated edge and a spring for holding said roller in engagement therewith. 12th. In a price scale, embodying a platform with platform levers for supporting the same, a weighing beam connected with said platform levers and a price beam also connected with said platform levers with means for varying the effective leverage exerted by said beam, graduations for determining the degree of variation in the leverage of the price beam and indicating rate prices and graduations on said price beam indicating total values with a sliding poise for registering with said total value graduations. 13th. In a price scale, a price beam, price poise, adjustable with relation thereto, price poise lifter, and links on which said price poise lifter is mounted, a lever m^4 , a rod m^6 , and means for raising said lever and the price poise lifter to support the beam in horizontal position, substantially as described. 14th. In combination with a weighing scale a swivel base composed of a top and a bottom plate pivoted together by a central bolt and circular tracks on the adjacent faces of said frames. 15th. In combination with a weighing scale a swivel base composed of a top and bottom frames held together by a central bolt, circular tracks on the adjacent faces of said frames, anti-friction rollers interposed between said tracks and a detent for holding the frames in their relatively adjusted position, substantially as described. 16th. In combination with a weighing scale the swivel base with interposed anti-friction rollers.

No. 62,478. Roller Skate. (Patin à roulette.)



Alfred Houée, Rennes, France, 26th January, 1899; 6 years. (Filed 19th September, 1898.)

Claim.—1st. In a rolling skate the combination of a leg support a drive wheel revolvably mounted at the side thereof and a skate pivoted at the lower end of said support, with a roller at the forward end of said skate and normally held in elevated position, and a wheel rotatable in the rear of said skate, substantially as described. 2nd. In a device, such as described, the combination of a leg-support, a drive wheel revolvably mounted at the side thereof, a ratchet wheel, a pawl carried by the leg-support adapted to engage therewith and a skate pivotally secured at the lower end of said support, with a roller at the forward end of said skate and normally held in elevated position and a wheel of relatively smaller size than the drive wheel, rotatable in the rear extremity of said skate and adapted to serve as a support, substantially as described. 3rd. A device such as described embodying a leg-support c an axis b rigidly connected with said support, a drive wheel rotatably mounted thereon, a ratchet wheel fixed to its hub, a pawl j pivoted to stud k on said support and adapted to engage with said ratchet wheel, and a skate e pivotally secured to the base of said leg-support, with a roller G carried in a bearing at the forward end of said skate and normally held in elevated position, and a wheel f rotatable in the rear extremity of said skate and adapted to steady the device, substantially as described.

No. 62,479. Pneumatic Tire. (Bandage pneumatique.)

Charles Summer Scott, Cadiz, Ohio, U.S.A., 26th January, 1899; 6 years. (Filed 30th September, 1898.)

Claim.—1st. An automatically-attachable pneumatic tire having narrow primarily-flexible bands of diagonally-woven wire fabric secured in its sides, the inflation of the tire causing a distortion and consequent rigidity of the bands, substantially as described. 2nd. The combination of a grooved wheel-rim and a automatically-attachable pneumatic tire having primarily-flexible metal bands secured in its sides, the edges of the bands being respectively above and below the rim edges and the inflation of the tire causing a distortion and