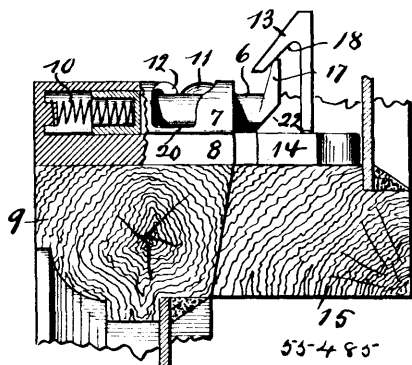
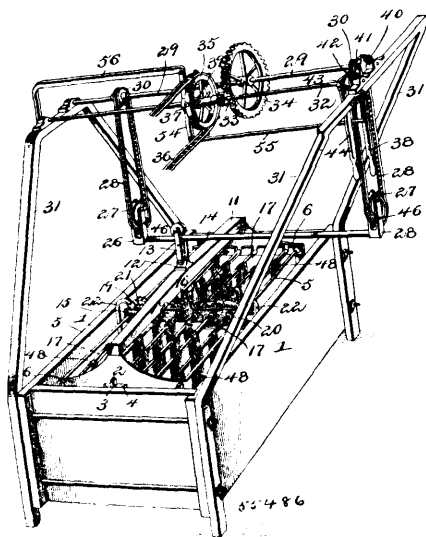


19 and 18, the former in notch 16, and the other on catch 13 which by contact with knob 11 and projection 17 respectively of the bolt



when the same is rotated, produce a compound and double action for the purpose described. 2nd. In a sash-fastener, the combination of a spring-bolt 6 having a lateral projection 17 at its end and a bevelled surface 22 thereat with the projection 24 to one side, forming the extreme end of the bolt, a housing for the latter, a knob thereon, passing through a slot 12 in the upper part of the housing, a hook-shaped catch or keeper 13, lateral extensions of slot 12 in form of notches 16 and 20 in either one of which the knob of the bolt may be passed, receiving then a partial rotation to bring either extension 17 or bevelled surface 22 and projection 24 in their proper operative positions, the first to engage with the inclined undersurface 18 of the catch to secure the locked bolt in position, the other to permit, while opening to clear the catch leaving thereby also projection 24, in such position that on closing, it contacts with the upper surface of the catch in a manner to cause the bolt to become locked automatically.

No. 55,486. Apparatus for Dyeing.
(Appareil pour teindre.)

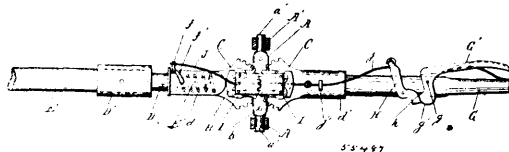


Charles A. Hunt, Jr., Lexington, North Carolina, U.S.A., 2nd April, 1897; 6 years. (Filed 16th November, 1896.)

Claim.—1st. In a dyeing apparatus, the combination of a vat, a frame adapted to reciprocate therein, parallel plates carried by the frame, a train of gearing borne by the said plates and comprising intermeshing gear wheels and co-acting ratchet wheels at the ends of the ends of the train of gearing, supporting bars for the goods to be dyed having attachment with and operated by the train of gearing, and two pawls arranged within the vat, and having adjustable connection therewith, to engage with the co-acting ratchet wheels of said train of gearing to operate the latter by means of the reciprocating movement of the frame, substantially in the manner and for the purpose set forth. 2nd. In a dyeing apparatus, the combination of a frame comprising end pieces and longitudinal bars, means for imparting a vertical reciprocating movement to the frame, parallel plates located upon the longitudinal bars of the frame intermediate of their ends, a train of gearing comprising a ratchet wheel and individual gear wheels having laterally extending journals obtaining bearings in the said parallel plates, and having the said journals formed with angular openings, supporting bars located upon opposite sides of the train of gearing and having their outer ends journaled

in the end pieces of the frame, and having their inner ends made angular and fitted into the angular openings of the individual elements of the train of gearing, and a pawl to engage with the ratchet wheel and actuate the train of gearing and the bars connected therewith, substantially as and for the purpose set forth. 3rd. In a dyeing apparatus, the combination with the vat, and a frame adapted to reciprocate therein, of a train of gearing mounted upon the said frame, a shaft extending lengthwise of the frame and operatively connected with the train of gearing, ratchet wheels at the ends of the shafts, and pawls having attachment with the vat and disposed to engage with the said ratchet wheels, substantially in the manner and for the purpose set forth. 4th. The combination with a vat, a frame, and a rotatable shaft, of an endless band connecting the frame with the rotatable shaft and receiving motion from the latter, and a pulley eccentrically mounted and located in a bight of the endless band to impart a reciprocating motion to the frame during the rotation or travel of the said band, substantially as set forth. 5th. The combination with a vat, and a frame placed therein to support the goods to be dyed, of a mounting operatively connected with the said frame, a sprocket pulley eccentrically journaled in the said mounting, a sprocket chain for driving the sprocket pulley to impart a reciprocating movement to the frame, and a locking pin to secure the sprocket pulley to its mounting, whereby when desired the frame can be lifted from the vat by applying power to the sprocket chain, substantially in the manner specified. 6th. The combination with a vat, and a frame to support the goods to be dyed, of a track having the frame suspended therefrom, pulleys eccentrically mounted at the ends of the track, and endless bands for driving the said pulleys to impart a vertical reciprocating movement to the track, substantially as set forth for the purpose described. 7th. The combination with a vat, and a frame adapted to receive the goods to be dyed, of a track arranged above the vat and having the frame suspended therefrom, sprocket pulleys eccentrically mounted at the ends of the track, an elevated power-driven shaft provided with sprocket pinions corresponding in position to the sprocket pulleys, sprocket chains connecting the sprocket pinions and sprocket pulleys, and means for locking the sprocket pulleys, whereby upon rotating the said power-driven shaft the track and the frame suspended therefrom will be elevated, substantially as and for the purpose set forth. 8th. The combination with a vat, and a frame adapted to receive the goods to be dyed, of a track having the frame suspended therefrom, sprocket pulleys eccentrically mounted at the ends of the track, an elevated shaft having sprocket pinions, sprocket chains connecting the sprocket pinions and sprocket pulleys, means for securing the sprocket pulleys against rotation, a ratchet and pawl for holding the said elevated shaft against rotation, and a brake mechanism to control the descent of the track upon releasing the said elevated shaft, substantially as set forth. 9th. A dyeing apparatus, comprising a vat, a frame disposed to reciprocate vertically within the vat, a train of gearing mounted upon the frame and having a ratchet wheel, a pawl attached to the vat and arranged to operate the train of gearing by the reciprocating movements of the frame, supporting bars for the goods to be dyed operated by the said train of gearing, a track having the frame suspended therefrom, sprocket pulleys eccentrically mounted at the ends of the track, an elevated shaft having sprocket pinions, sprocket chains connecting the sprocket pinions with the sprocket pulleys, locking pins for securing the sprocket pulleys against rotation, a ratchet-and-pawl mechanism for holding the said elevated shaft against rotation, a second shaft geared with the elevated shaft, a brake mechanism applied to the said second shaft, and means for applying power to and disconnecting it from the aforesaid second shaft, substantially as set forth for the purpose described.

No. 55,487. Oars. (Rames pour vaisseaux.)



Joseph Berron, Jackmanstown, Maine, U.S.A., 2nd April, 1897; 6 years. (Filed 22nd January, 1897.)

Claim.—1st. The combination with a pivoted frame, of two intergearing toothed segments journaled in the frame, one of the said segments being provided with a socket having a spiral slot, shank revoluble in the said socket and provided with a pin engaging with the said slot, a spring pressing forward the said shank in the said socket, a handle secured to the other segment, lever mechanism pivoted to the said handle, a flexible connection connecting the said lever mechanism with the said pin, and guide rolls for the said connection carried by the said frame, substantially as set forth. 2nd. The combination with a pivoted frame, of two intergearing toothed segments journaled in the frame, a revoluble spring-pressed shank carried by one of the said segments, a handle connected with the other said segment, a lever pivoted to the said handle and provided with a heel, a second lever pivoted to the handle and provided with a heel operated by the aforesaid heel, and a flexible connection connecting the said second lever with the said shank, substantially as set forth.