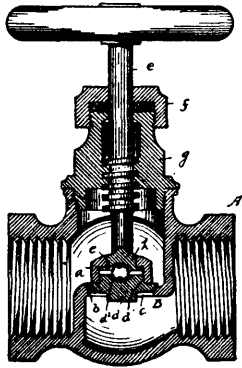


action of chlorine gas to bleach the same and next to the action of an olefiant gas which removes said chlorine gas. 4th. The process of treating sugar solution, which consists in first subjecting the solution to the action of a bleaching agent and next subjecting said solution to the action of an agent capable of uniting with said bleaching agent and forming a compound insoluble in said solution and thereby removing the same out of the solution.

No. 69,569. Valve. (Soupape.)

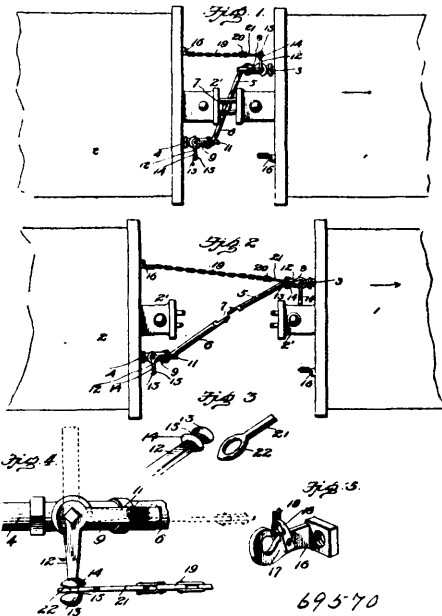


69569

Helen Monnier, assignee of Edward Monnier, both of Detroit Michigan, U.S.A., 3rd December, 1900; 6 years. (Filed 15th December, 1899.)

Claim—1st. In combination with a valve, a valve stem made separate therefrom and provided with a collar *b*, a ball interposed over the stem and the valve, and a coupling arranged to engage over the collar and hold the stem to the valve, substantially as described. 2nd. In combination with a valve provided with a threaded neck having a cavity therein, a valve stem having at its end a collar and provided with a cavity arranged to register with the cavity in the neck of the valve, a coupling arranged to hold the parts together, and a ball interposed between the valve and the stem in said cavity, substantially as described.

No. 69,570. Air Brake. (Frein à air.)



69570

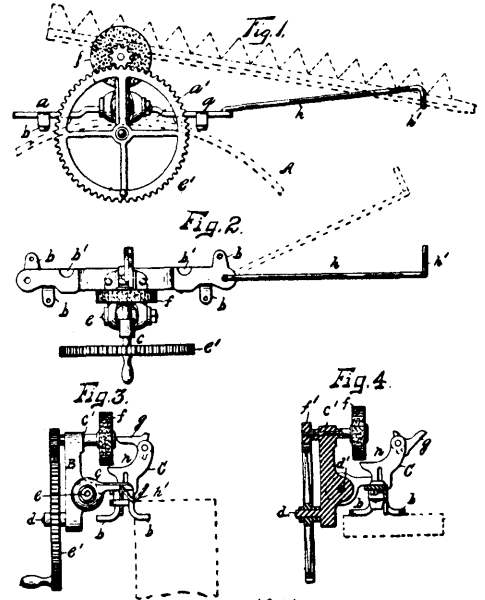
John R. Richardson and John F. Thomas, both of Scranton, Pennsylvania, U.S.A., 3rd December, 1900; 6 years. (Filed 9th November, 1900.)

Claim.—1st. In an air brake system, the combination, with adjoining cars of a train provided with air cocks and couplings to connect the same, of a valve closing connection between one of the cars and the cock on the other car to close said cock upon the parting of the cars, said connection being of such length and arrangement as to leave the cock momentarily open upon the parting of the cars and couplings to effect a partial reduction of pressure, and then close

the cock to prevent a further reduction of pressure, substantially as set forth. 2nd. In an air brake system, the combination with the train, of air pipes, one of which is provided with an air cock having a member, the outer end of which is formed with a stop shoulder and a knob of less diameter than said shoulder, air tubes connecting said pipes, and a connection comprising a chain adapted to be secured to one car and having a swivelled ring at one end adapted to be slipped over the outer end of said valve member and to lie in the groove between the shoulder and knob, said connection being of greater length than the distance between the car to which it is attached and the valve member in the open position of the latter, so as to close the air cock after the parting of the air tubes, substantially as set forth. 3rd. In an air brake system, an air cock having a handle and an operating arm arranged at right angles to the handle and formed at its outer end with a stop shoulder and an oval knob of less diameter than said shoulder and having a bevelled end, and a valve closing connection provided with an oval ring or eye adapted to slip over said knob and lie between the knob and shoulder, substantially as set forth. 4th. In an air brake system, an air cock having an operating member, and a valve closing connection comprising an attaching bracket having a hook, and a chain connected at one end to the bracket and provided at its free end with a ring or eye adapted to engage said valve operating member when the parts are to be connected and to engage said hook when the connection is not in use, substantially as set forth.

No. 69,571. Mower Knife Grinder.

(Machine à aiguiser les faux des faucheuses.)



69571

The Taughanock Emery Wheel Company, Cortland, assignee of George Henry Fowler, Taughanock Falls, both in New York, U.S.A., 3rd December, 1900; 6 years. (Filed 9th July, 1900.)

Claim.—1st. In a machine of the class described, a base having means for securing it in position, a frame connected thereto, an emery wheel mounted in said frame, means for rotating it, a bracket mounted on said base and having a knife rest hinged thereto, as set forth. 2nd. In a machine of the class described, a base having means for securing it in position, a frame connected thereto, an emery wheel mounted in said frame, means for rotating it, a bracket mounted on said base and having a knife rest hinged thereto, and a swinging arm secured to either end of the base, as set forth. 3rd. In a knife grinding machine of the class described, a base having means for securing it in position, a frame, ball and socket connections between the base and frame, a revoluble grinding mechanism mounted on the frame, and an adjustable rest supported by the base. 4th. In a knife grinding machine of the class described, a base having means for securing it in position, a frame pivotally connected thereto, a grinding mechanism mounted on the frame, a knife rest adjustably connected to the base, and a swinging arm also connected to the base, substantially as set forth.

No. 69,572. Camera. (Camera.)

William Frank Carlton, co-inventor with and assignee of Harvey W. Locke, both of Rochester, New York, U.S.A., 3rd December, 1900; 6 years. (Filed 15th November, 1899.)

Claim.—1st. A swing back photographic camera having, in connection with the camera front and bellows, a swinging camera box of sufficient size to encase the said camera front and bellows when