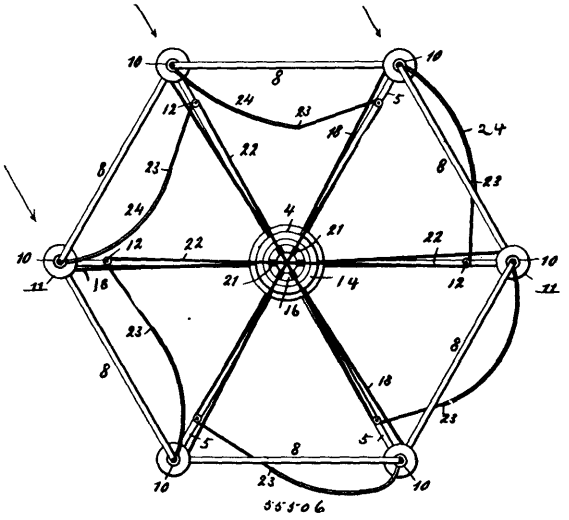
snap-hook consisting of a body and hook portion, the separated cheek portions, a U-shaped spring tongue secured between the cheeks, and means for holding the tongue in place against upward movement consisting of reduced bent over upper portions of the cheeks. 3rd. A spring tongue snap-hook, consisting of the body, hook and separated cheeks, a U-shaped spring tongue secured between the cheeks and extending forward its upper portion being below the plane of the upper portions of the cheeks, and means for holding the tongue in proper relation with the hook consisting of tapered or reduced portions of the cheeks, the said portions being tapered from at or near the plane of the spring tongue and bent over and into close proximity to the upper face of the tongue, substantially as described. 4th. A spring tongue snap-hook consisting of the body and hook, the separated cheeks connected by a curved cross-bar located at a point adjacent to their lower edges and between their ends, and a U-shaped spring tongue engaging the nose of the hook at one end and its opposite end being curved into a well defined hook the curvature of which corresponds substantially with that of the cross-bar around which the hook engages. 5th. A spring tongue snap-hook consisting of a body and hook portion, the separated cheek portions, a cross-bar uniting the cheek portions, and a U-shaped spring tongue having one end engaging the nose of the hook and its opposite end bent into a hook engaging around the said cross-bar, substantially as described.

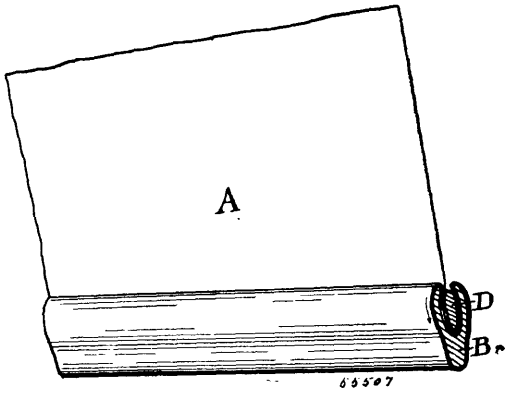
No. 55,506. Wind Mill. (*Moulin à vent.*)



Daniel W. Auld, Sibley, Missouri, U.S.A., 3rd April, 1897; 6 years. (Filed 16th March, 1896.)

Claim.—1st. A wind mill, comprising a vertical rotatable shaft, a wheel frame mounted rigidly thereon, rotatable sleeves carried by said frame, flexible sails secured to said sleeves, an adjustable weight, flexible connections suitably guided between said weights and said sails, and means for rotating said sleeves, in opposition to said weight. 2nd. A wind mill, comprising a vertical rotatable shaft, a wheel frame mounted rigidly thereon, vertical rotatable sleeves carried thereby and provided with winding drums, flexible sails secured to said winding drums, a sliding weight, flexible connections suitably guided between said weight and said sails, and flexible connections suitably guided and attached at their upper ends to said winding drums, substantially as and for the purpose set forth. 3rd. In a wind mill, comprising a vertical rotatable shaft, a weight upon said shaft which has sliding but not independent rotatable movement upon said shaft, a wheel frame mounted rigidly upon said shaft, vertical rotatable sleeves carried thereby and provided with winding drums, flexible sails attached to said sleeves, flexible connections suitably guided between said weight and said sails, and cords or cables suitably guided and attached to said winding drums, and a suitable fastening device to which the lower end of said cords or cables may be secured. 4th. A wind mill, comprising a suitable framework, a vertical hollow shaft journalled therein and provided with longitudinal slots and external ribs, a wheel frame mounted rigidly upon the upper end of said shaft and provided with the hub portion having series of superposed guide pulleys and an apertured flange surrounding the same, cylindrical rods erected vertically at the outer ends of the arms of said frames and suitably braced, sleeves mounted rotatably upon said rods and provided with winding drums, a series of guide rollers located inward of the vertical rods, flexible sails secured to said sleeves, a weight embracing the hollow shaft and provided with longitudinal grooves embracing the ribs of said shaft, and with a transverse rod or bail which extends through the slots of the shaft, a series of cords or cables suitably guided around the last mentioned series of rollers and over the upper series of guide rollers first mentioned, and connecting the free ends of the sails with the bail of the sliding weight, a second series of cords or cables which are attached at their outer ends to said drums and are guided through and over the apertured flange and the lower series of guide rollers first-named, and a fastening device, to which the lower ends of said series of cords or cables may be attached, substantially as shown, and for the purpose set forth.

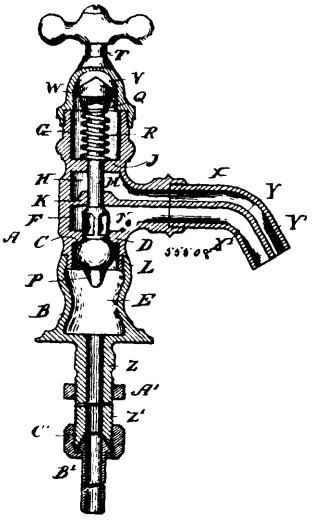
No. 55,507. Curtain Fixture. (*Appareil de rideau.*)



Edward Alfred Roberts, Cleveland, Ohio, U.S.A., 3rd April, 1897; 6 years. (Filed 17th March, 1897.)

Claim.—The combination with the shade A, of the strip B having the groove C and the oval strip D, said oval strip D adapted to be inserted by pressure in the groove by the springing of the sides of the binding strip, substantially as described.

No. 55,508. Faucet. (*Fausset.*)



Wilson G. Cornell, Chicago, Illinois, U.S.A., 5th April, 1897; 6 years. (Filed 17th March, 1897.)

Claim.—1st. A self-closing faucet having a sectional casing, one section of which is provided with partitions forming pressure and dry chambers respectively at the ends thereof, with intermediate receiving and reservoir chambers, a valve adapted to control the passage between said receiving and pressure chambers, mechanism for opening said valve, means in said dry chamber for automatically closing said valve, and a nozzle having a partition therein forming passages leading from said receiving and said reservoir chambers respectively, said partition extending to the outer end of said nozzle and being continuous of the partition between said receiving and reservoir chambers, substantially as and for the purpose set forth. 2nd. A self-closing faucet having a sectional casing, one section of which has partitions forming at the ends thereof, pressure and dry chambers respectively with intermediate receiving and reservoir chambers, a valve with stem closely fitting in said partitions, a spring in said dry chamber for seating said valve, a cap-section, means having a bearing in said cap-section for operating said stem and valve, and a nozzle on said first mentioned section with a partition therein forming passages leading from said receiving and said reservoir chambers respectively, said partition extending to the outer end of said nozzle and being continuous of the partition between said receiving and reservoir chambers, substantially as and for the purpose set forth.