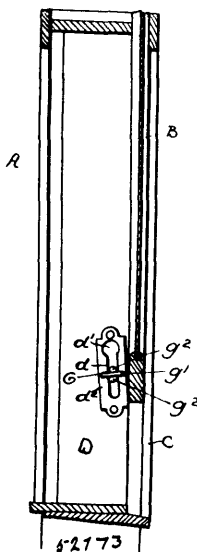
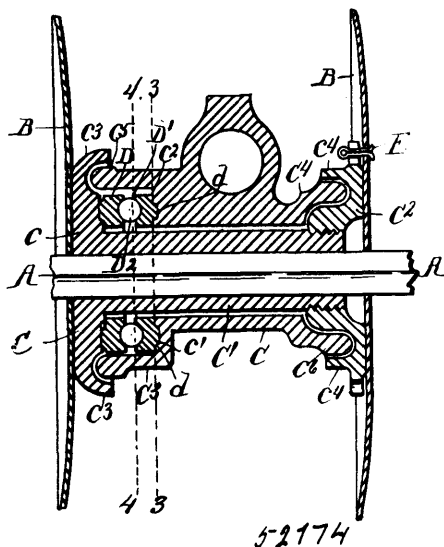


No. 52,173. Sash Holder. (Arrête-croisée.)

Lewis A. Heinzerling, Seattle, Washington, U.S.A., 5th May, 1896; 6 years. (Filed 7th April, 1896.)

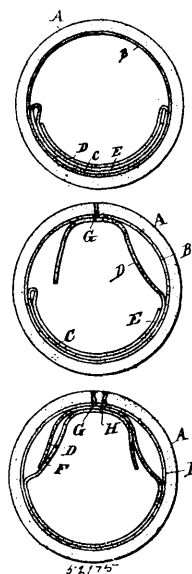
Claim.—In a sash holder, the combination with the window sash and frame, of the casing side *D*, the fixed bar *E* between the frame and side *D* and having a series of inclined teeth *e* on its outer edge, the locking bar *f* normally resting against the sash and having a series of inclined teeth *F* on its inner edge, inclining in a direction opposite the inclination of the teeth *e*, the raising and locking device *g* pivotally secured to the locking bar and projecting through an opening in the side *e* and adapted to work vertically in said opening, its central portion being provided with laterally extending ribs, a thumb disc beyond the ribs, and a plate on the side arranged at an incline and formed with an elongated opening and a circular opening above the elongated opening in which the rib portion of the locking device works, substantially as described.

No. 52,174. Ball Bearing. (Coussinet à boule.)

The American Harrow Company, assignee of Elijah A. Ovenshire, both of Detroit, Michigan U.S.A., 5th May, 1896; 6 years. (Filed 7th April, 1896.)

Claim.—1st. In a ball bearing for disc harrows and analogous devices, the combination of an axle, a skein, a hub located about said skein, and balls located between the skein and hub at one end thereof arranged to receive the end strain, substantially as set forth. 2nd. In a ball bearing for disc harrows and analogous devices, the combination of an axle, a skein, a hub located about said skein, rings

D located about one end of the skein between the skein and hub, and balls located between said rings, to receive the end strain, substantially as set forth. 3rd. A ball bearing for disc harrows and analogous devices having in combination an axle, a skein, a nut or washer engaged upon one end of the skein, a hub *C* located about said skein, rings *D*, *D'* located in vertical planes about the skein, between the hub and the skein, one of said rings having a fixed engagement with the hub and the other ring having a fixed engagement with the skein, and balls between the adjacent faces of said rings to receive the end strain, substantially as set forth. 4th. A ball bearing for disc harrows and analogous devices having in combination an axle, a skein, a nut or washer engaged upon one end of the skein, a hub *C* located about said skein, rings *D*, *D'* located in vertical planes about the skein between the hub and the skein, one of said rings having a fixed engagement with the hub and the other ring having a fixed engagement with the skein, and balls between the adjacent faces of said rings to receive the end strain, said nut or washer having an adjustable engagement with the skein and with an adjacent disc, substantially as set forth. 5th. A ball bearing for disc harrows and analogous devices having in combination an axle, a skein, a nut or washer engaged upon one end of the skein, a hub *C* located about said skein, rings *D*, *D'* located about the skein between the hub and the skein, one of said rings having a fixed engagement with the hub and the other ring having a fixed engagement with the skein, and balls between the adjacent faces of said rings to receive the end strain, said nut or washer having an adjustable engagement with the skein and with an adjacent disc, substantially as set forth. 6th. A ball bearing for disc harrows and analogous devices having in combination an axle, a skein, a nut or washer engaged upon one end of the skein, a hub *C* located about said skein, rings *D*, *D'* located about the skein between the hub and the skein, one of said rings having a fixed engagement with the hub and the other ring having a fixed engagement with the skein, and balls between the adjacent faces of said rings to receive the end strain, said nut or washer having an adjustable engagement with the skein and with an adjacent disc, and said skein and washer each provided with a protecting flange projecting inwardly over the adjacent extremity of the hub, substantially as set forth. 6th. A ball bearing for disc harrows and analogous devices having in combination an axle, a skein, a nut or washer engaged upon one end of the skein, a hub *C* located about said skein, rings *D*, *D'* located about the skein between the hub and the skein, one of said rings having a fixed engagement with the hub and the other ring having a fixed engagement with the skein, and balls between the adjacent faces of said rings to receive the end strain, said nut or washer having an adjustable engagement with the skein and with an adjacent disc, and said skein and washer each provided with a protecting flange projecting inwardly over the adjacent extremity of the hub, substantially as set forth.

No. 52,175. Pneumatic Tire. (Bandage pneumatique.)

Fred W. Morgan and Rufus Wright, assignees of Charles G. Page, all of Chicago, Illinois, U.S.A., 5th May, 1896; 6 years. (Filed 8th April, 1896.)

Claim.—1st. A pneumatic tire having plies with longitudinally arranged free edge portions adapted for service in closing punctures, substantially as set forth. 2nd. The combination with a pneumatic tire of plies *D* and *E* each held along one longitudinal edge portion and free along its opposite longitudinal edge portion. 3rd. In a pneumatic tire, the plies *D* and *E* formed of one piece. 4th. In a pneumatic tire, the plies *D* and *E* united by a base strip *C*. 5th. The within described patching means vulcanized in a flattened condition, and arranged within a pneumatic tire, substantially as set forth.

No. 52,176. Saw Set. (Fer à contourner.)

Robert Dillon, assignee of Carpus French, both of Oshawa, Ontario, Canada, 5th May, 1896; 6 years. (Filed 8th April, 1896.)

Claim.—1st. In a saw set, the combination with the body *A*, having the lower tapered portions *A'*, and an angular recess in one of the tapered sides of the lower portion having the lower side or face at an obtuse angle to the inclined side, of the block *B*, provided with a notch *b*, and having the lower edge extending downwardly beyond