ABSTRACT

Present disclosure discloses a safety mechanism for a coconut scraper (100). The coconut scraper (100) includes a tool assembly (103) coupled to a motor (106) and configured to displace between a first position and a second position, a bowl (102) receiving the tool assembly (103) and a lid (108) receivable by the bowl (102), which is operable between an open condition and a closed condition. The safety mechanism includes a first activation unit (107) and second activation unit (116), each communicatively coupled to the motor (106). The second activation unit (116) is configured to activate, when the lid (108) is operated to the closed condition and the first activation unit (107) is configured to activate, when the tool assembly (103) is displaced to the second position. The activation of the first activation unit (107) and the second activation unit (116) powers the motor (106), thus ensuring safety of the user, since the motor (106) is powered only when the lid (108) is operated to closed condition and the tool assembly (103) is displaced to the second position. Further, the safety mechanism includes a resilient member (118) provided between the tool assembly (103) and the first activation unit (107), wherein the resilient member (118) is configured to support the tool assembly (103) in the first position until the load beyond a threshold is applied to the tool assembly (103). Furthermore, the safety mechanism includes a projection (110) defined in the tool assembly (103), wherein the projection (110) is receivable by the resilient member (118) for supporting the tool assembly (103), and the projection (110) is configured to contact the first activation unit (107), in the second position of the tool assembly (103).

Figures. 1 and 2 are representative figures.