

(54) Title of the invention : DESIGN OF COCONUT HUSK REMOVER WITH SHELL CUTTER AND SCRAPER

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(57) Abstract :

At present coconut husk is being removed manually which employs more time and more man power. This coconut husk remover peels off the coconut husk from coconut fruit to obtain de-husked coconut fruit via pneumatic controlled de-husking device. This device is a coconut husk remover with shell cutter and scraper. An operator is required to handle the machine during the de-husking process. It can be used to de-husk both matured coconut and tender coconut. This device consists of pneumatic cylinder, solenoid valve, linkages, husk remover, scraper, motor, transformer and base frame. De-husking, cutting and scrapping are the three steps that can be performed in this machine. One part is for removing the husk from the coconut; second one is cutting part and next is scraper. In both parts pneumatic systems are used. The husk is removed with the help of hinge joint which is connected with the pneumatic actuator. And the scraper works with the help of motor. The power is given to the motor by using transformer.

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