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(57) Abstract :

An oyster pearl extraction device, comprises a platform 1 positioned on a ground surface, a C-shaped member 2 with platform 1 accommodates oyster, an artificial intelligence-based imaging unit 5 captures images of the oyster, an expandable pulley arrangement increases/decreases the diameter of the platform 1, a pair of L-shaped telescopically operated links 6 extends to position the clamps 7, clamps 7 grips the lower shell of the oyster, a telescopically operated rod 8 extends to adhere the suction cup 9, an X-ray imaging unit 10 detects exact location of the pearl, a robotic arm extracts the pearl, a speaker 12 notifies the user to collect the pearl, ultrasonic sensor detects the user's height.

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