

A B S T R A C T

A paint booth (10) is provided with a booth body (12) and a purifier (13). The purifier (13) is provided with a water tank (20), water rope formation mechanism (22), sludge removal mechanism (26), exhaust mechanism (28), barrier member (45), inclined plate (50), and windshield plate (60). Water falling from nozzles (35) of a water case (30) forms a large number of water ropes (40). The inclined plate (50) has a water receiving surface (55) sloping forwardly down at an angle (θ) from a vertically intermediate part (H3) of the barrier member (45) toward a water surface (W1) of the water tank (20). A lower end (62) of the windshield plate (60) is in contact with water (W) in the water tank (20). An airflow reversal section (53) is formed between a lower end (52) of the inclined plate (50) and the water surface (W1). Air directed downward from an airflow inlet (59) is turned upward at the airflow reversal section (53) and directed to an exhaust chamber (46) through air circulation sections (65, 66).