

(54) Title of the invention : SMART PROJECTILE LAUNCHING APPARATUS

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(57) Abstract :

A projectile launching apparatus (100) to be used to perform experiments in laboratory especially or may be used for other purposes also. The projectile launching apparatus (100) includes a measurement scale (110) and a protractor (126) that enables a user to record readings manually. Additionally, the apparatus (100) includes a set of indicators (112) and a display device (124) that enables the user to check calculated readings on the display device automatically. Sensors (118) are positioned to detect pressure applied on a push button (120) when a projectile ball (116) is launched, and the ball falls on at least one of the set of indicators (112). Thus, the angle of projection is determined by the applied pressure, and the distance may be determined by the indicator (112) that actuated.

Additionally, pressure, angle of projection, time speed, velocity, and other parameters are also displayed on the display device.

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