

## ABSTRACT

A cover retention mechanism for releasably locking a cover to a base such as a gage housing. The cover retention mechanism includes a base lock having a receiver and a receptacle, and a cover lock having a latch attached to an end of a flexible arm. The latch is selectively movable between a retracted position wherein the latch engages the receptacle to prevent rotational movement of the cover with respect to the housing from the closed position toward an open position, and an extended position wherein the latch is removed from the receptacle and the cover is rotatable with respect to the housing from the closed position toward the open position.

**Fig. 1**