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INTER-DEPARTMENTAL CORRESPONDENCE



BRIDGEPORT, CONN.

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SUBJECT: BOLT LOCK FOR BOLT-ACTION RIFLES

A patent search has been made on the bolt lock shown in your Assembly Drawing SK-D-3596, and the corresponding detail drawings. The following are the most closely related prior patents that were located. In my opinion, they should not prevent us from securing a patent on your design.

1,669,496 - Stahl
1,322,514 - Bader

Stahl has a locking bolt 14 rotatably mounted in a transverse bore and passing across a flat 15 milled in the firing pin. When the firing pin is cocked as in Fig. 4, the forward end of the firing pin flat engages a mating flat on the locking bolt to prevent it from rotating. A detent pin 19 on the locking bolt (see Figs. 1 and 2) then restrains the bolt handle from being raised. However, the detent pin can be manually released by pressing a spring-loaded finger piece 21 (Figs. 1, 2 and 7). On firing, the locking bolt 14 is released by the firing pin, and is rotated out of locking engagement with the bolt handle simply by applying an upward pressure of the bolt handle on the detent pin 19.

Bader slidably mounts a detent 9 on a bolt plug or sleeve 5 to engage (Fig. 4) or disengage (Fig. 5) the bolt handle. A J-shaped pivoting lever 13 is spring-biased in a direction to normally engage the detent with the bolt handle. The detent 9 may be withdrawn to unlock the bolt either by manual rotation of the lever 13 when the firing pin is cocked, or by engagement with a shoulder 24 on the firing pin when the rifle is fired.

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