

## (12) United States Design Patent (10) Patent No.: US D506,120 S Straka, Jr. et al. (45) Date of Patent: \*\* Jun. 14, 2005

- (54) MULTI-DIRECTIONAL ROTARY-PAWL LATCH
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- (73) Assignee: Southco, Inc., Concordville, PA (US)
- (\*\*) Term: **14 Years**

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(57) **CLAIM** 

The ornamental design for a multi-directional rotary-pawl latch, as shown and described.

### DESCRIPTION

FIG. 1 is a perspective view of a multi-directional rotarypawl latch embodying our new design, showing the handle in a folded-down position and the lower housing in a first angular orientation relative to the upper housing; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a left side view thereof; FIG. 6 is a top view thereof; FIG. 7 is a bottom view thereof; FIG. 8 is a perspective view of the multi-directional rotarypawl latch of FIG. 1 showing the handle in the raised position; FIG. 9 is a front view of the multi-directional rotary-pawl latch of FIG. 8; FIG. 10 is a rear view of the multi-directional rotary-pawl latch of FIG. 8; FIG. 11 is a right side view of the multi-directional rotarypawl latch of FIG. 8; FIG. 12 is a left side view of the multi-directional rotarypawl latch of FIG. 8; FIG. 13 is a top view of the multi-directional rotary-pawl

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## **Related U.S. Application Data**

- (63) Continuation of application No. 10/784,706, filed on Feb. 22, 2004.
- (51) LOC (8) Cl. ..... 08-07
- (52) U.S. Cl. ..... D8/331

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latch of FIG. 8;

FIG. 14 is a bottom view of the multi-directional rotary-pawl latch of FIG. 8;

FIG. 15 is a perspective view of the multi-directional rotary-pawl latch of FIG. 1, showing the handle in a folded-down position and the lower housing in a second angular orientation relative to the upper housing;
FIG. 16 is a front view thereof;
FIG. 17 is a rear view thereof;
FIG. 18 is a right side view thereof;
FIG. 19 is a left side view thereof;
FIG. 20 is a top view thereof;
FIG. 21 is a bottom view thereof;

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- FIG. 22 is a perspective view of the multi-directional rotary-pawl latch of FIG. 15 showing the handle in the raised position;
- FIG. 23 is a front view of the multi-directional rotary-pawl latch of FIG. 22;
- FIG. 24 is a rear view of the multi-directional rotary-pawl latch of FIG. 22;
- FIG. 25 is a right side view of the multi-directional rotarypawl latch of FIG. 22;
- FIG. 26 is a left side view of the multi-directional rotarypawl latch of FIG. 22;

FIG. 40 is a left side view of the multi-directional rotarypawl latch of FIG. 36;

- FIG. 41 is a top view of the multi-directional rotary-pawl latch of FIG. 36;
- FIG. 42 is a bottom view of the multi-directional rotary-pawl latch of FIG. 36;
- FIG. 43 is a perspective view of the multi-directional rotary-pawl latch of FIG. 1, showing the handle in a foldeddown position and the lower housing in a fourth angular orientation relative to the upper housing; FIG. 44 is a front view thereof;

FIG. 27 is a top view of the multi-directional rotary-pawl latch of FIG. 22;

FIG. 28 is a bottom view of the multi-directional rotary-pawl latch of FIG. 22;

FIG. 29 is a perspective view of the multi-directional rotary-pawl latch of FIG. 1, showing the handle in a foldeddown position and the lower housing in a third angular orientation relative to the upper housing;

FIG. **30** is a front view thereof;

FIG. 31 is a rear view thereof;

FIG. 32 is a right side view thereof;

FIG. 33 is a left side view thereof;

FIG. 34 is a top view thereof;

FIG. 35 is a bottom view thereof;

FIG. 36 is a perspective view of the multi-directional rotary-pawl latch of FIG. 29 showing the handle in the raised position;

FIG. 37 is a front view of the multi-directional rotary-pawl latch of FIG. 36;

FIG. 38 is a rear view of the multi-directional rotary-pawl latch of FIG. 36;

FIG. 39 is a right side view of the multi-directional rotarypawl latch of FIG. 36;

FIG. 45 is a rear view thereof;

FIG. 46 is a right side view thereof;

FIG. 47 is a left side view thereof;

FIG. 48 is a top view thereof;

FIG. 49 is a bottom view thereof;

FIG. 50 is a perspective view of the multi-directional rotary-pawl latch of FIG. 43 showing the handle in the raised position;

FIG. 51 is a front view of the multi-directional rotary-pawl latch of FIG. 50;

FIG. 52 is a rear view of the multi-directional rotary-pawl latch of FIG. 50;

FIG. 53 is a right side view of the multi-directional rotarypawl latch of FIG. 50;

FIG. 54 is a left side view of the multi-directional rotarypawl latch of FIG. 50;

FIG. 55 is a top view of the multi-directional rotary-pawl latch of FIG. 50; and,

FIG. 56 is a bottom view of the multi-directional rotary-pawl latch of FIG. 50.

1 Claim, 16 Drawing Sheets

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