

(12) United States Design Patent (10) Patent No.:

Xingguo

US D515,392 S

(45) Date of Patent:

** Feb. 21, 2006

MULTI-PURPOSE BICYCLE TOOL

Inventor: Zhou Xingguo, WuHan (CN)

Assignee: Acumen Inc., Sterling, VA (US)

14 Years Term:

Appl. No.: 29/191,566

(22) Filed: Oct. 10, 2003

LOC (8) Cl. 08-05 U.S. Cl. D8/105

(58)D8/98, 357, 356, 105, 61, 107, 22; 81/417, 81/490, 437, 177.4; 7/138, 139, 165, 158,

> 7/100, 118; 362/202; 173/171, 217; 116/111.1 See application file for complete search history.

(56)**References Cited**

U.S. PATENT DOCUMENTS

4,043,230	A	*	8/1977	Scrivens 81/177.2
4,716,795	A	*	1/1988	Corona et al 81/177.4
D295,601	S	*	5/1988	Svetlik
5,121,803	A	*	6/1992	Hartmann et al 173/171
5,174,178	A	*	12/1992	Disston, Jr 81/490
5,436,814	A	*	7/1995	Hanley 362/216
D391,820	S	*	3/1998	Bunyea D8/61
D415,946	S	*	11/1999	Tsai D8/107
D441,267	S	*	5/2001	Heun
6,595,091	B2	*	7/2003	Williams 81/490
D484,387	S	*	12/2003	Hsiao D8/107
6,817,424	B 1	*	11/2004	Su et al 173/217
2005/0078480	A 1	*	4/2005	Xingguo 362/253

^{*} cited by examiner

Primary Examiner—Cathron C. Brooks Assistant Examiner—Austin Murphy (74) Attorney, Agent, or Firm—Crowell & Moring LLP

CLAIM (57)

The ornamental design for a multi-purpose bicycle tool, as shown and described.

DESCRIPTION

FIG. 1 is a left, rear perspective view of a multi-purpose bicycle tool in a closed position according to our novel design;

FIG. 2 is a rear side view of the multi-purpose bicycle tool in a closed position according to our novel design;

FIG. 3 is a front side view of the multi-purpose bicycle tool in a closed position according to our novel design;

FIG. 4 is a bottom view of the multi-purpose bicycle tool in a closed position according to our novel design;

FIG. 5 is a top view of the multi-purpose bicycle tool in a closed position according to our novel design; and

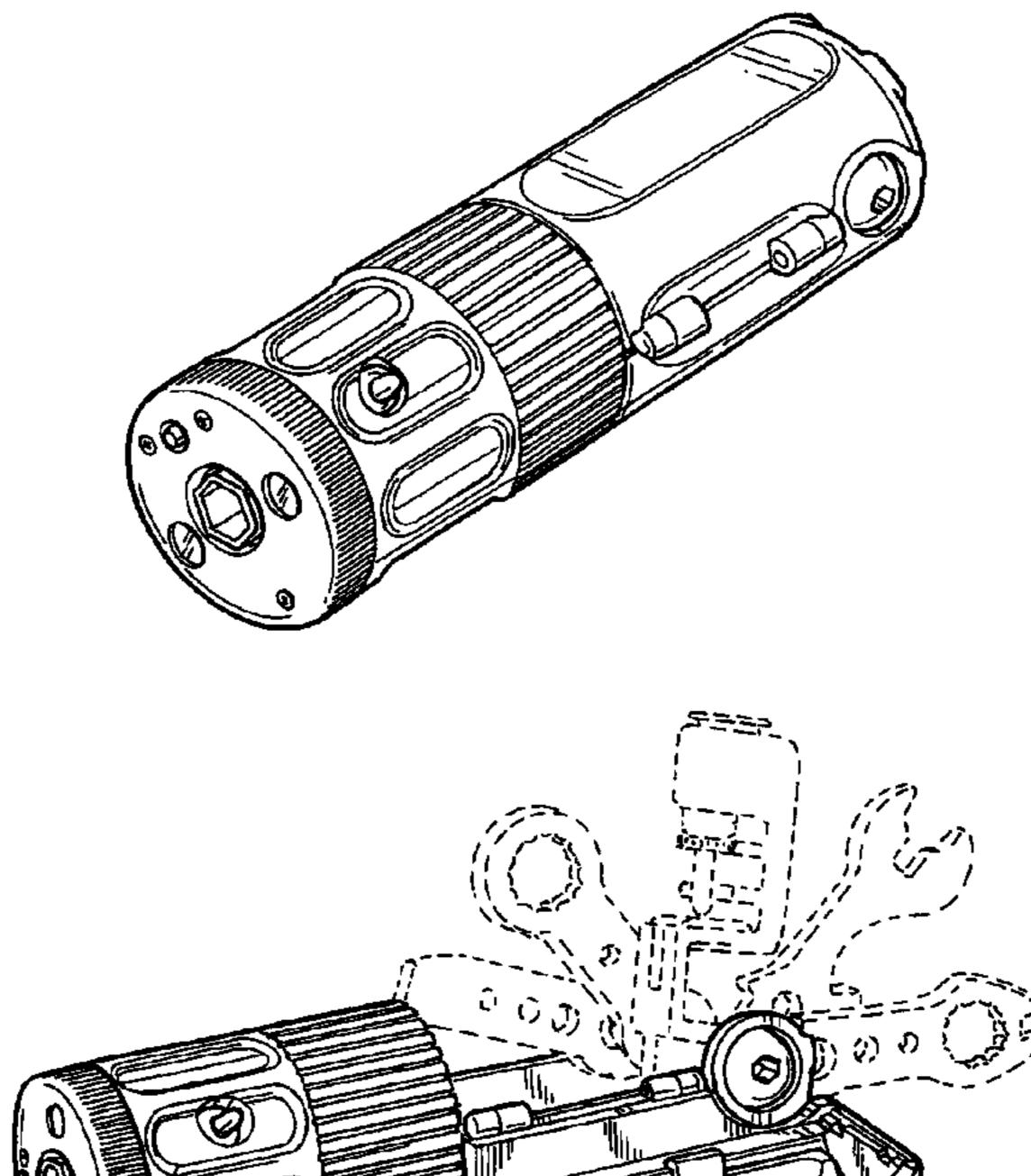
FIG. 6 is a right end view of the multi-purpose bicycle tool in a closed position according to our novel design.

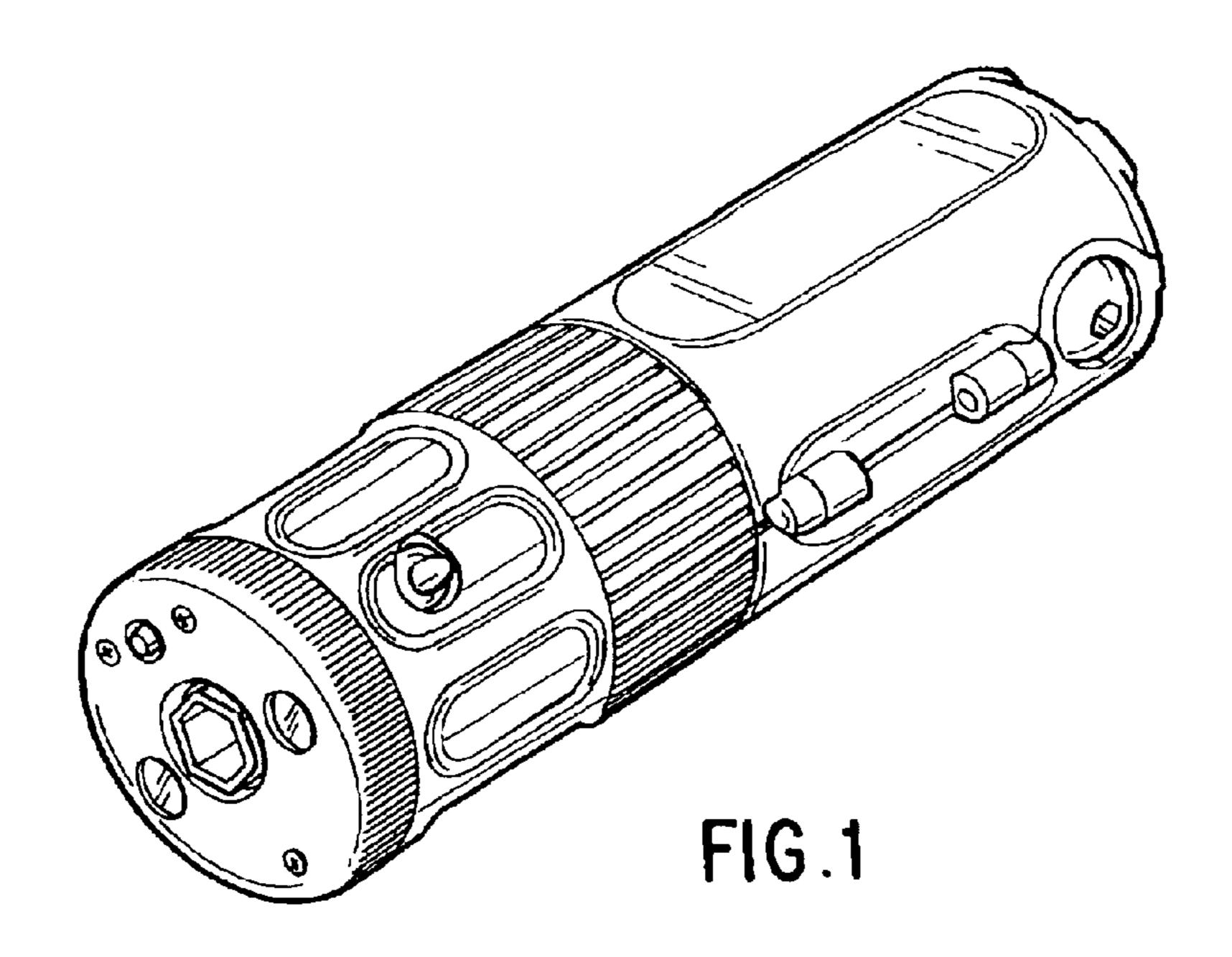
FIG. 7 is a left end view of the multi-purpose bicycle tool in a closed position according to our novel design; and,

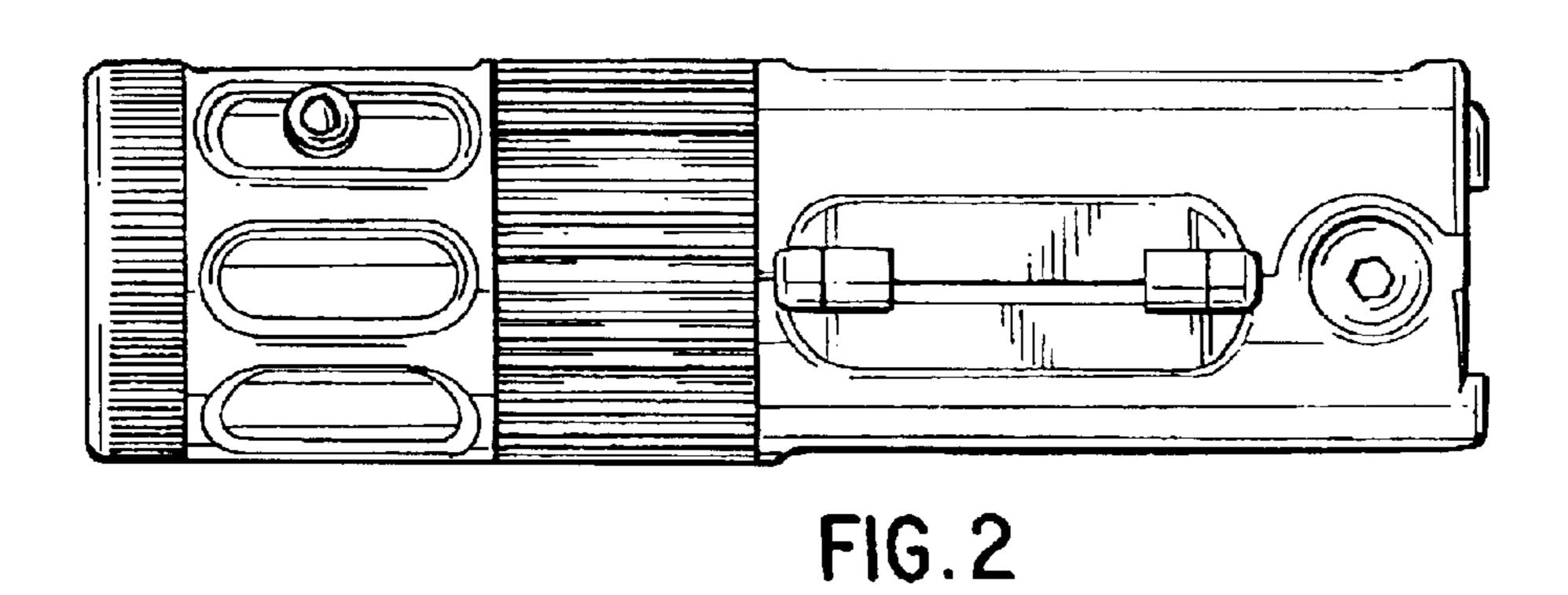
FIG. 8 is a left, rear perspective view of the multi-purpose bicycle tool in an open position according to our novel design.

The broken lines are for illustrative purposes only and form no part of the claimed design.

1 Claim, 3 Drawing Sheets







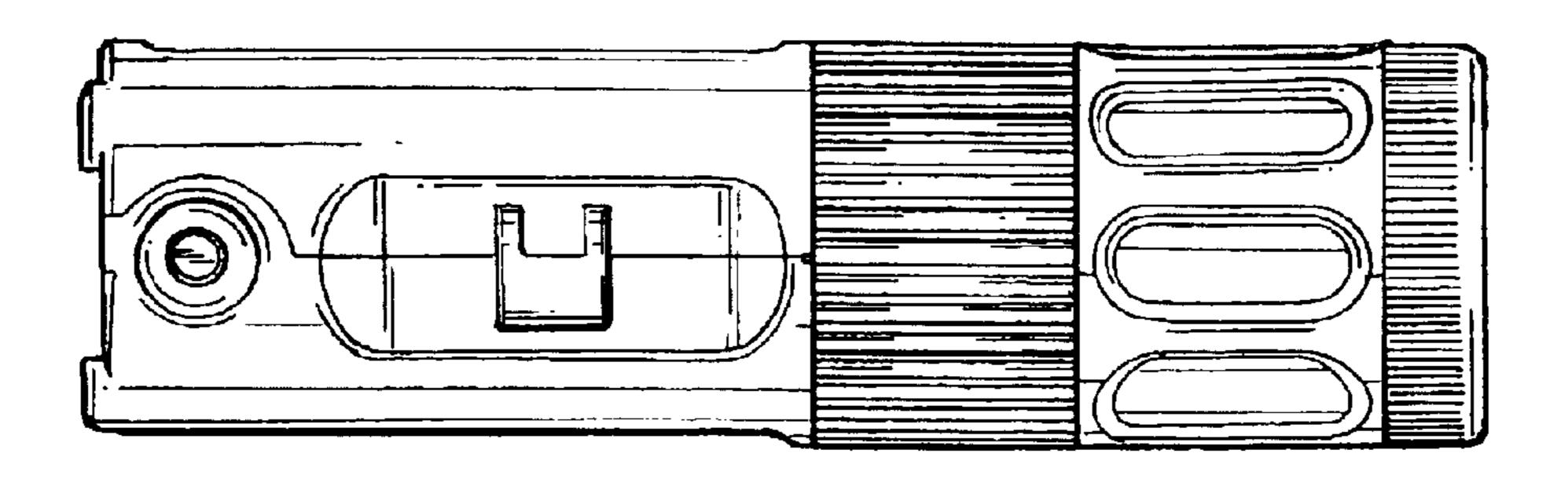
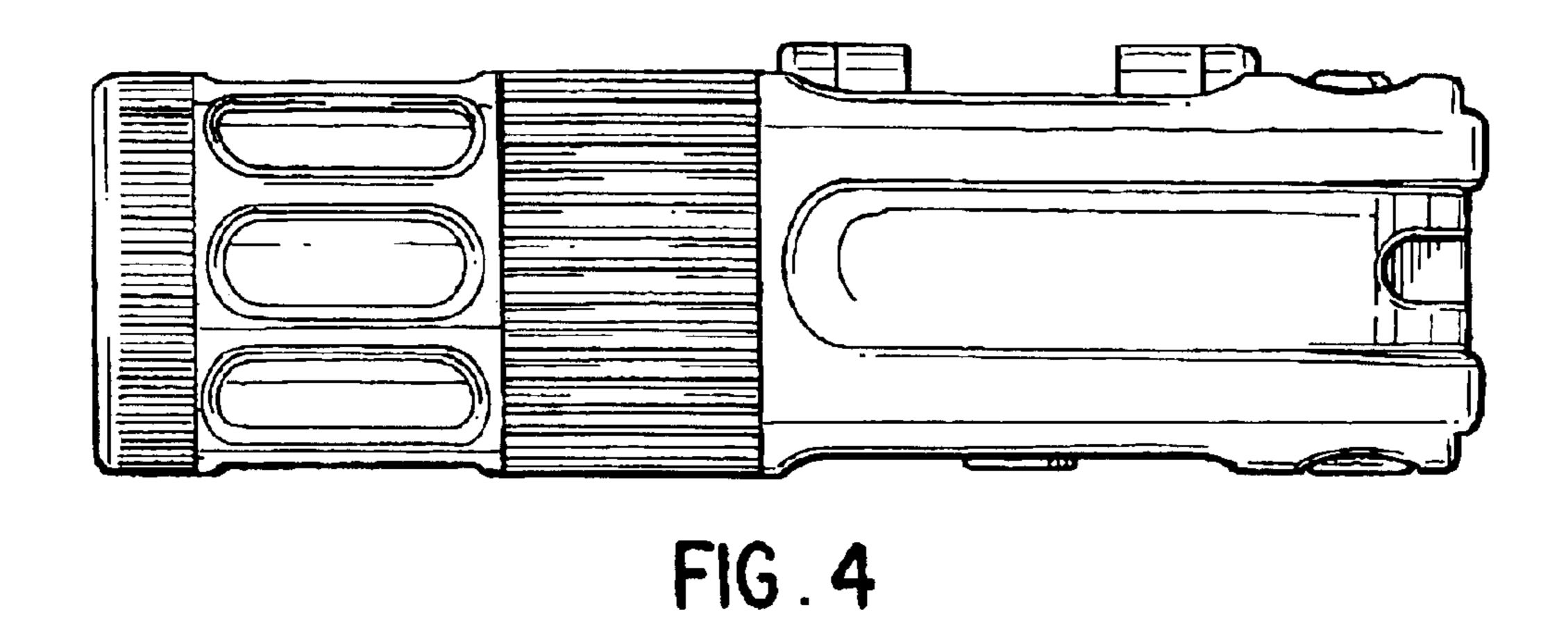


FIG.3

Feb. 21, 2006



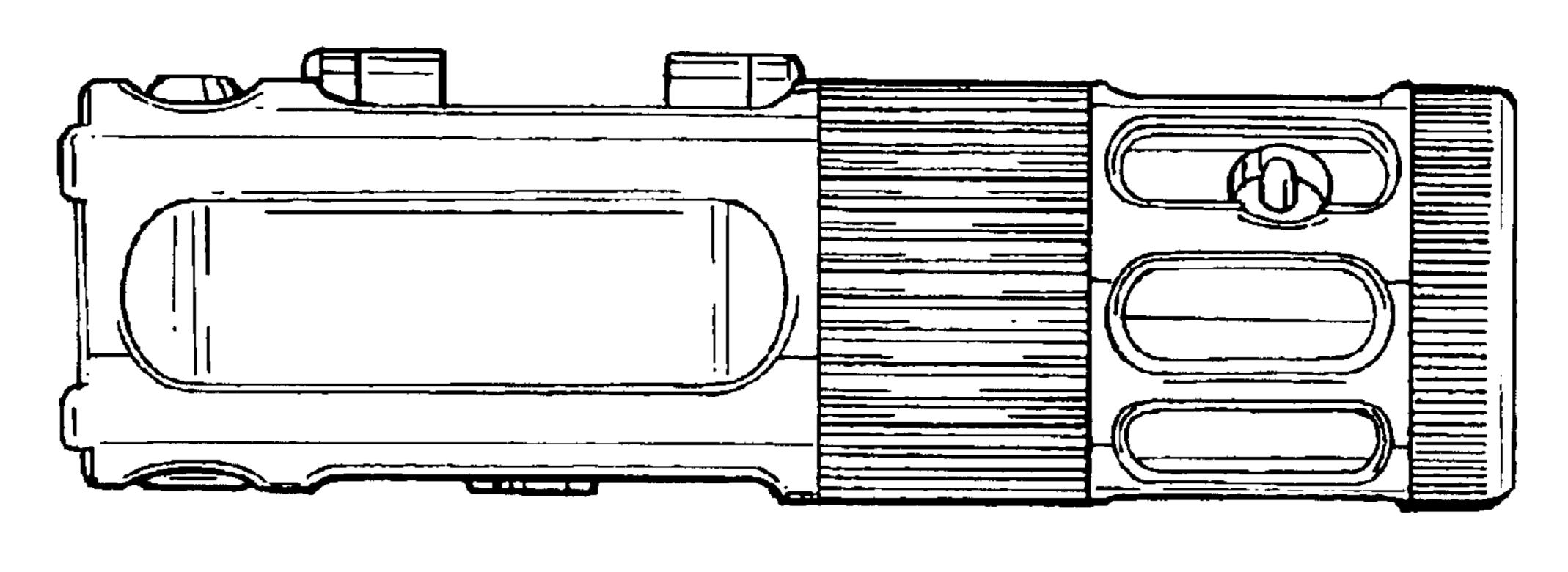


FIG. 5

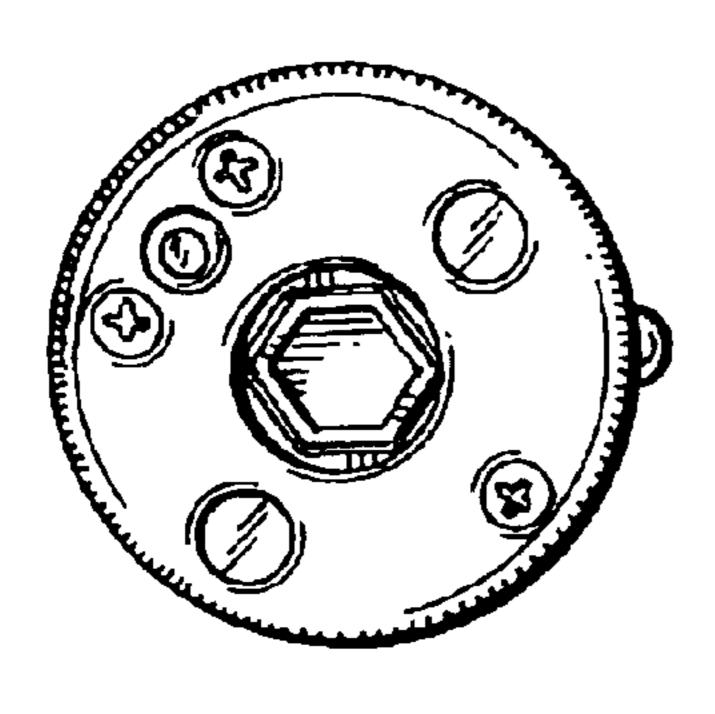


FIG. 6

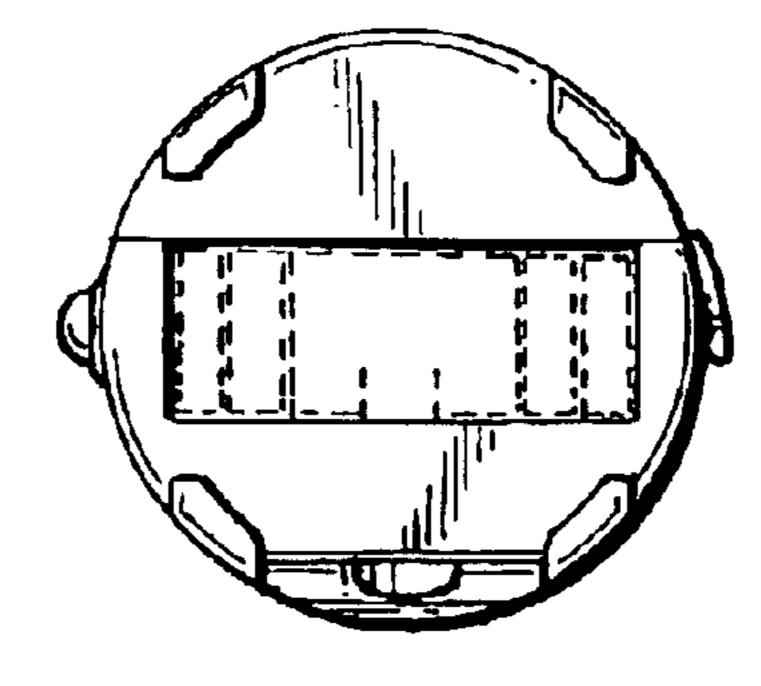


FIG.7

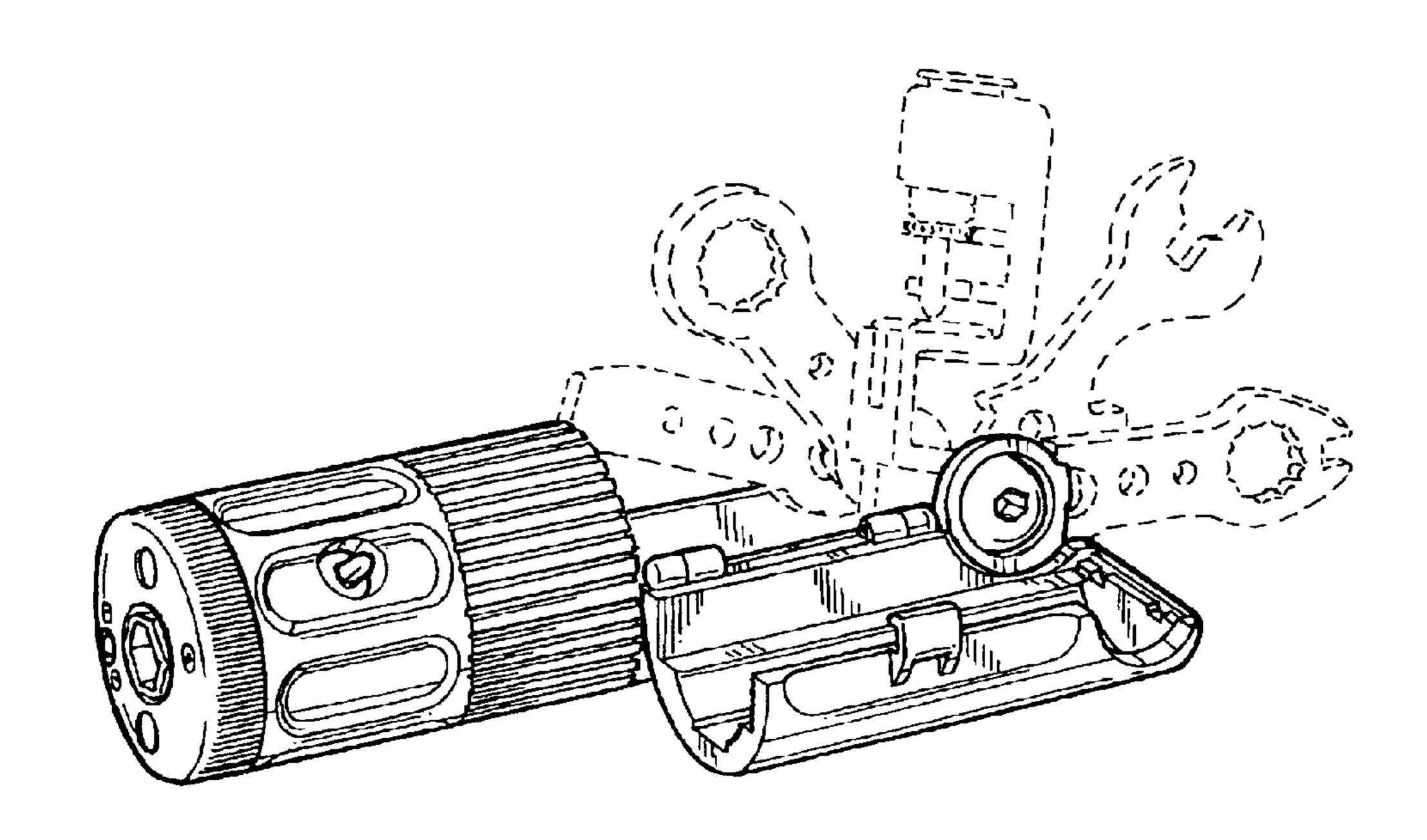


FIG. 8