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**United States Patent** [19]  
**Rinner**

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[54] **ACTUATOR CAP FOR A RATCHETING MECHANISM**  
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2,584,256	2/1952	Brown	.....	192/44
2,627,330	2/1953	Gantz	.....	192/43.1
3,908,487	9/1975	Plaw	.....	81/59.1
4,472,163	9/1984	Bottini	.....	192/64 X
4,777,852	10/1988	Herman et al.	.....	81/63.1
5,570,616	11/1996	Thompson et al.	.....	192/43.2 X
5,573,093	11/1996	Lee	.....	192/43.2
5,613,585	3/1997	Tiede	.....	192/43.1
5,619,891	4/1997	Tiede	.....	192/43.1 X
5,687,820	11/1997	Lin	.....	192/43.2

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[57] **ABSTRACT**

A tool with ratcheting mechanism having two pawls and a gear mounted on a tool handle. A cap encloses the ratcheting mechanism and serves as an actuator for moving the pawl into and out of engagement with the gear.

[56] **References Cited**  
U.S. PATENT DOCUMENTS  
1,193,716 8/1916 Purssell ..... 192/43.1 X

**16 Claims, 5 Drawing Sheets**

