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Powell

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(54)	HAND HI METHOD	ELD THROWING APPARATUS AND						
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(58)	Field of CPC I	Classification Search 741B 3/03; F41B 3/005; F41B 7/00; F41B 11/642 ration file for complete search history.						
	Dec application ine for complete search married.							

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(56)		References	Cited

970,018	Α	*	9/1910	Coleman F41B 7/006
1 001 512	А	*	3/1914	102/371 Hoffman A63B 69/408
30 3				124/36 Velk A63B 69/408
				124/7
1,287,780	A	*	12/1918	Stanard F41B 11/642 124/66

U.S. PATENT DOCUMENTS

1,381,639 A * 6/1921 Hess F41B 7	/00
124	/26
1,457,674 A * 6/1923 Kennedy A01M 3/0)27
124	/36
1,726,534 A * 9/1929 Berger F41B 7/0	003
	4/2
1.841.390 A * 1/1932 Welch F41B 3	/03
	4/7
2,318,139 A * 5/1943 Calabrese F41B 3	/03
124/3	5.1
4,719,897 A * 1/1988 Gaudreau F41B 5/14	169
124	/25
4,774,786 A * 10/1988 Zaremba A01M 3/6)27
124	
4,827,894 A * 5/1989 Schallberger F41B 5	/12
124	/25
5,979,424 A * 11/1999 Alvarez F41B 7	/08
	/16

(Continued)

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(57) ABSTRACT

A hand held throwing apparatus and method includes of a U-shaped body with two sides and a bottom forming an open interior, the U-shaped body having an open front and an open back. A combination throwing-cocking arm with a first end and a second end is provided where the second end is rotatably connected with the U-shaped body in proximity to the open front in between the two sides. A spring is provided with a first end and a second end, where the first end of the spring is attached to the second end of the combination throwing-cocking arm and the second end of the spring is connected with the U-shaped body. A stop device is attached to the combination throwing-cocking arm between the first end and the second end and a handle is connected to the U-shaped body.

16 Claims, 5 Drawing Sheets

