



US008136317B1

(12) **United States Patent**
McCown

(10) **Patent No.:** **US 8,136,317 B1**
(45) **Date of Patent:** **Mar. 20, 2012**

(54) **ASSEMBLY FOR STRAIGHTENING A BASEMENT'S WALL**

(76) Inventor: **Power Lift Foundation Repair**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 167 days.

(21) Appl. No.: **12/646,420**

(22) Filed: **Dec. 23, 2009**

(51) **Int. Cl.**
E04G 23/00 (2006.01)
E02D 27/00 (2006.01)
E02D 37/00 (2006.01)
E04B 1/98 (2006.01)
E04H 9/02 (2006.01)

(52) **U.S. Cl.** **52/291**; 52/293.1; 52/293.3; 52/573.1; 52/167.1; 52/167.3; 52/167.4; 52/514

(58) **Field of Classification Search** 52/291, 52/127.1, 127.2, 127.5, 293.1, 293.2, 293.3, 52/573.1, 167.1, 167.3, 167.4, 514, 698
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,850,254	A	9/1958	Houseworth	
3,030,061	A *	4/1962	Jennings	248/354.3
3,817,006	A *	6/1974	Williams	52/127.2
4,068,427	A *	1/1978	Camardo	52/127.2
4,189,891	A	2/1980	Johnson et al.	
4,893,784	A	1/1990	Abraham et al.	
4,970,835	A	11/1990	Harmon	
5,829,220	A	11/1998	Zumeta	
5,845,450	A	12/1998	Larsen	
5,992,126	A	11/1999	Ashton et al.	

6,023,901	A	2/2000	Jensen	
6,269,606	B1	8/2001	McCown	
6,357,190	B1	3/2002	Florentine	
6,662,505	B2	12/2003	Heady et al.	
6,769,222	B2	8/2004	Billante	
6,931,805	B2	8/2005	Gregory et al.	
7,380,372	B2	6/2008	Resch et al.	
7,419,335	B1	9/2008	Cohen	
7,681,367	B2 *	3/2010	Morton et al.	52/291
7,726,093	B2 *	6/2010	Morton et al.	52/745.09
7,861,469	B2 *	1/2011	Heady et al.	52/127.2
2003/0131555	A1	7/2003	Heady et al.	
2005/0204673	A1 *	9/2005	Reed	52/514

FOREIGN PATENT DOCUMENTS

DE 3140287 4/1983

* cited by examiner

Primary Examiner — Mark Wendell

(74) *Attorney, Agent, or Firm* — Kenneth H. Jack; Davis & Jack, L.L.C.

(57) **ABSTRACT**

An assembly for straightening a basement's wall, the basement having a floor and being covered by joists which are spaced from each other on center distances to define interstitial cavities and are arranged a perpendicular array or a parallel array, the assembly having mounting plate; joist mounting fasteners attaching the oblongated mounting plate to joists, the fasteners, upon the perpendicular joist array, positioning the mounting plate within an interstitial cavity, and the fasteners, upon the parallel array, bridging the mounting plate across an interstitial cavity; a rigid beam having upper and lower ends; a jack screw for driving the rigid beam's upper end toward the basement's wall; and an anchor bracket for resisting movement of the rigid beam's lower end away from the basement's wall.

16 Claims, 3 Drawing Sheets

