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(12) **United States Design Patent**
Blom

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(54) **MOP REMOVABLE SIDE BUMPER WITH A SNAP CONNECTOR**

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(73) Assignee: **Aquastar, Inc.**, Paramount, CA (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/323,389**

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(51) **LOC (9) Cl.** **14-01**

(52) **U.S. Cl.** **D32/50**

(58) **Field of Classification Search** D32/35,
D32/40, 45, 50, 51, 30; 15/143.1, 147.1,
15/147.2, 209.1, 210.1, 228, 231, 233, 1.7;
401/137-140, 15, 188 R, 268, 270, 278-279;
D4/137, 115, 119; 239/532; 428/89
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,345,643	A *	9/1994	Tomm	.....	15/147.1
5,804,274	A	9/1998	Nordin		
5,915,437	A *	6/1999	Petner	.....	15/228
6,061,864	A	5/2000	Ensson		
6,842,936	B2	1/2005	Policicchio		
7,178,189	B1 *	2/2007	Perry et al.	.....	15/119.2
D564,163	S *	3/2008	Bar-Noy et al.	.....	D32/50
7,409,740	B1 *	8/2008	Geigan	.....	15/1.7
D586,964	S *	2/2009	Lee	.....	D32/42

7,607,191	B2 *	10/2009	Morris et al.	.....	15/228
2005/0091775	A1 *	5/2005	Lindholm	15/147.1
2005/0217047	A1 *	10/2005	Young	15/115

* cited by examiner

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(57) **CLAIM**

The ornamental design for a mop removable side bumper with a snap connector, as shown and described.

DESCRIPTION

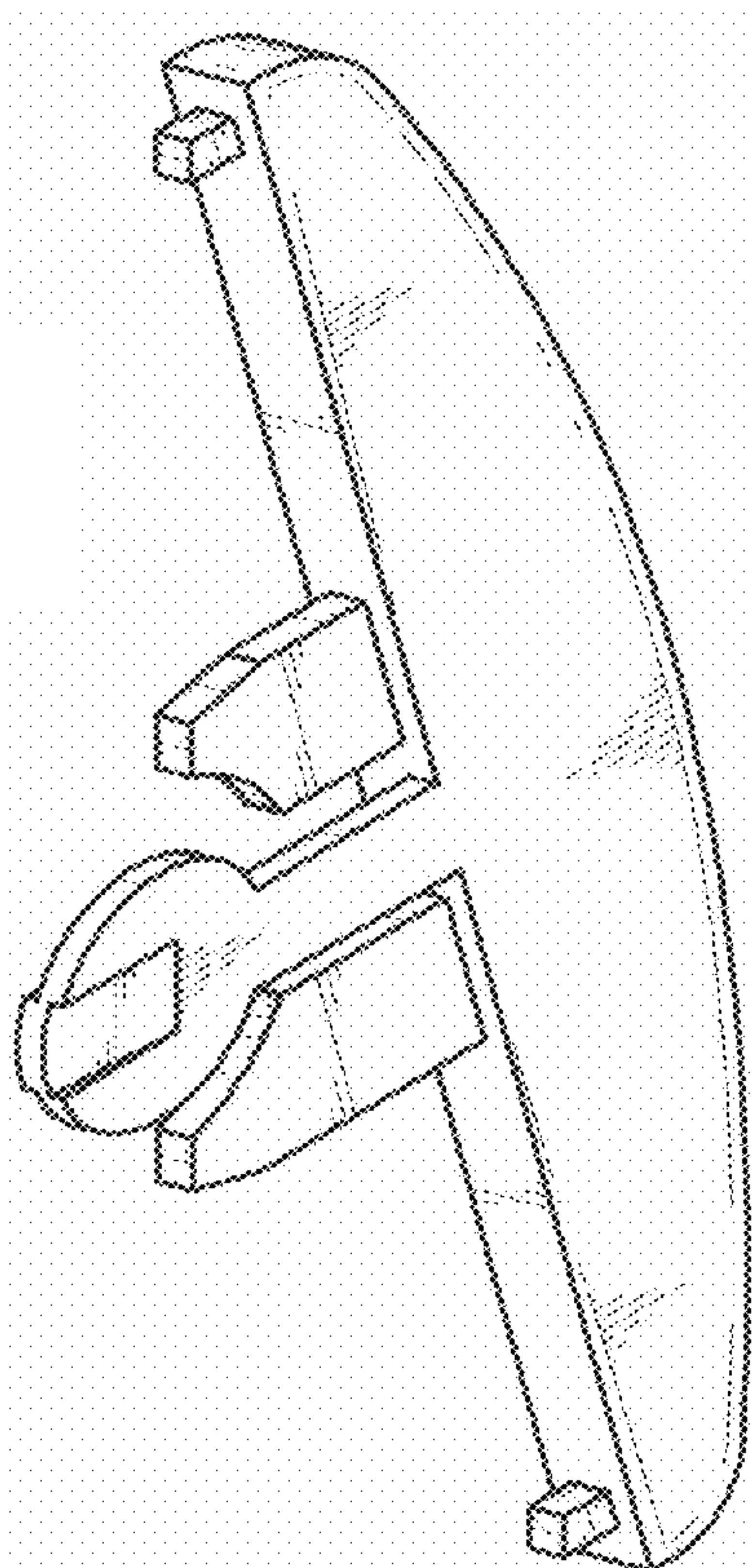
FIG. 1 is a detailed illustration of a perspective bottom view of the mop removable side bumper with a snap connector.

FIG. 2 is a detailed illustration of a bottom view of the mop removable side bumper with a snap connector; and,

FIG. 3 is a detailed illustration of a top view of the mop removable side bumper with a snap connector.

The snap connector of the mop removable side bumper allows the mop removable side bumper to be connected to and then easily removed from the main body of a mop base. When connected, the mop removable side bumper holds mop head attachments firmly in place. When removed, the mop removable side bumper no longer prohibits the mop head attachments from sliding free of the mop base to be cleaned or replaced.

1 Claim, 2 Drawing Sheets



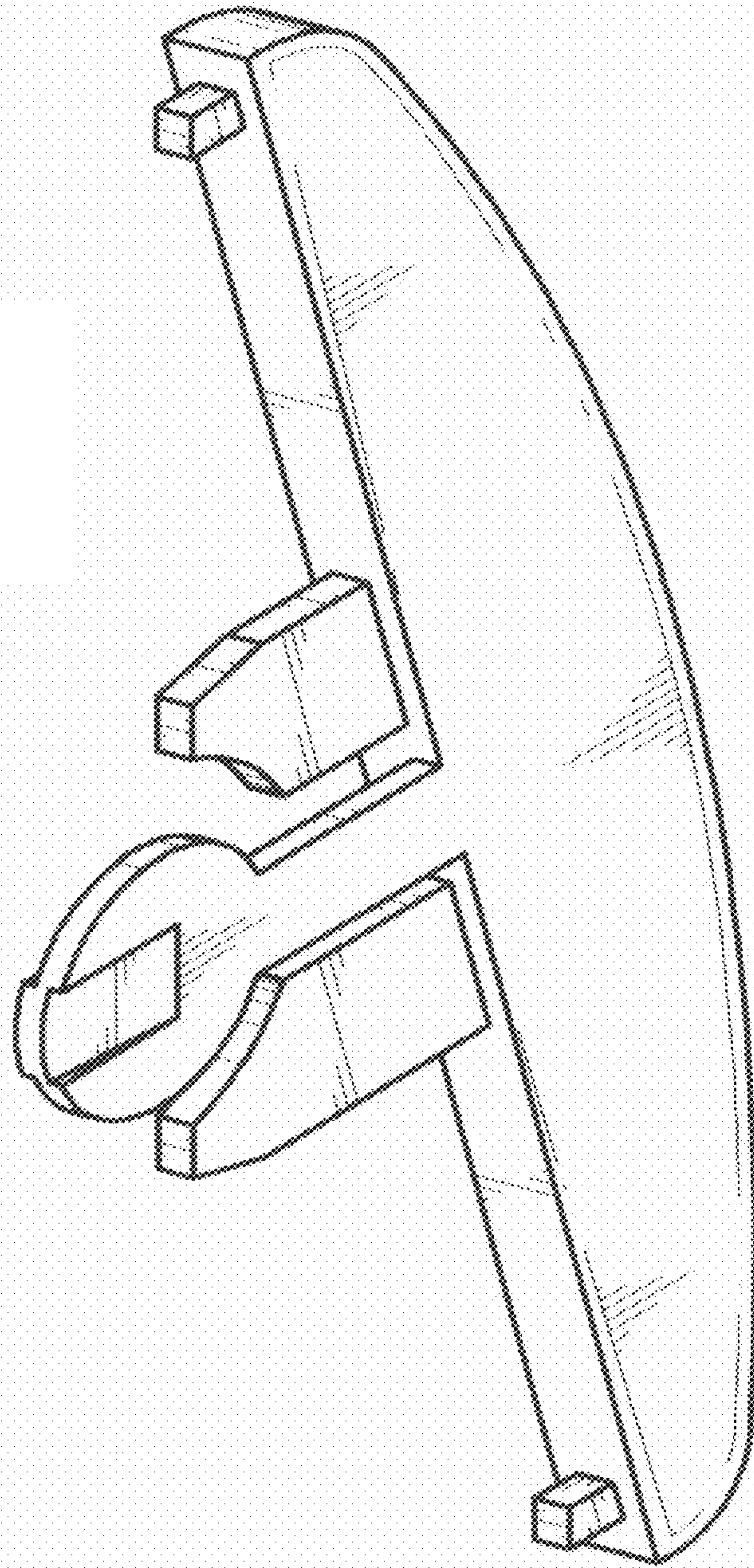


FIG. 1

