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(12) **United States Design Patent**
Paratwar et al.

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(45) **Date of Patent:** **** Aug. 27, 2024**

(54) **DISHWASHER SPRAY ARM**

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(73) Assignee: **Whirlpool Corporation**, Benton Harbor, MI (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/829,225**

(22) Filed: **Mar. 3, 2022**

(51) **LOC (14) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/3**

(58) **Field of Classification Search**
USPC D32/2, 3, 26; D23/220, 213, 214
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D196,450 S * 10/1963 Claywell D32/3
D212,121 S * 8/1968 Tuthill D32/3
(Continued)

FOREIGN PATENT DOCUMENTS

CN 308027845 * 5/2023
DE 20220465 U1 9/2003

OTHER PUBLICATIONS

WPW10498900 W10498900 Middle Spray Arm—Compatible Amana Maytag Whirlpool Dishwasher Parts, available in Amazon.com, date first available Feb. 15, 2022 [online], [site visited Mar. 22,

2024], Available from the internet URL: <https://www.amazon.com/WPW10498900-W10498900-Middle-Spray-Arm/dp/B09SHRSHZH> (Year: 2022).*

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(57) **CLAIM**

The ornamental design for a dishwasher spray arm, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a dishwasher spray arm showing our new design;

FIG. 2 is a top view of the dishwasher spray arm of FIG. 1; FIG. 3 is a bottom view of the dishwasher spray arm of FIG. 1;

FIG. 4 is a front side view of the dishwasher spray arm of FIG. 1;

FIG. 5 is a back side view of the dishwasher spray arm of FIG. 1;

FIG. 6 is an enlarged right side view of the dishwasher spray arm of FIG. 1;

FIG. 7 is an enlarged left side view of the dishwasher spray arm of FIG. 1;

FIG. 8 is a front perspective view of a dishwasher spray arm showing another embodiment of our new design;

FIG. 9 is a top view of the dishwasher spray arm of FIG. 8;

FIG. 10 is a bottom view of the dishwasher spray arm of FIG. 8;

FIG. 11 is a front side view of the dishwasher spray arm of FIG. 8;

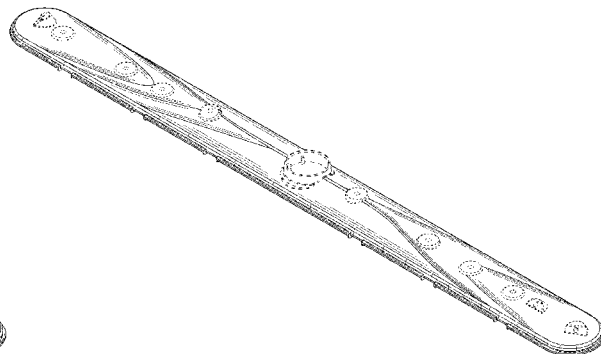
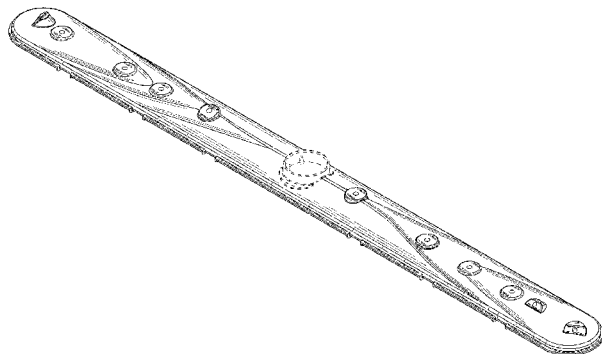
FIG. 12 is a back side view of the dishwasher spray arm of FIG. 8;

FIG. 13 is an enlarged right side view of the dishwasher spray arm of FIG. 8; and,

FIG. 14 is an enlarged left side view of the dishwasher spray arm of FIG. 8.

The broken lines in the figures illustrate the portions of the design that form no part of the claimed design.

1 Claim, 12 Drawing Sheets



(58) **Field of Classification Search**

CPC A47L 15/0023; A47L 15/22; A47L 15/23;
 A47L 15/4219; A47L 15/4221; A47L
 15/4282; A47L 15/4289; A47L 15/4463;
 A47L 15/4445; A47L 15/508; A47L
 2401/24; A47L 2501/20

See application file for complete search history.

8,905,053 B2 12/2014 Thiyagarajan
 9,010,345 B2 4/2015 Mitchell et al.
 D776,372 S * 1/2017 Haft D32/3
 9,693,672 B2 * 7/2017 Feddema A47L 15/23
 D799,763 S * 10/2017 Haft D32/3
 D799,764 S * 10/2017 Haft D32/3
 9,801,522 B2 * 10/2017 Wee A47L 15/4221
 D827,953 S * 9/2018 Lee A47L 15/00

(56)

References Cited

U.S. PATENT DOCUMENTS

5,031,651 A * 7/1991 Spiegel A47L 15/4246
 134/183
 5,429,679 A * 7/1995 Young, Jr. A47L 15/0002
 134/10
 D376,451 S * 12/1996 Osborn D32/3
 6,997,193 B2 * 2/2006 Elick A47L 15/4204
 134/182
 7,241,347 B2 * 7/2007 Elick A47L 15/4244
 134/25.2
 7,409,961 B2 * 8/2008 Elick A47L 15/4225
 134/186

10,631,706 B2 * 4/2020 Bürkle A47L 15/23
 D900,417 S * 10/2020 Baldwin D32/3
 D927,101 S * 8/2021 Baldwin D32/3
 D955,671 S * 6/2022 Baldwin D32/3
 D956,372 S * 6/2022 Pugh D32/3
 D1,014,877 S * 2/2024 Pugh D32/3
 D1,015,655 S * 2/2024 Pugh D32/3
 2010/0224223 A1 * 9/2010 Kehl A47L 15/22
 134/56 D
 2017/0231461 A1 * 8/2017 Bürkle A47L 15/23
 239/463
 2021/0277578 A1 9/2021 Chiorino et al.

* cited by examiner

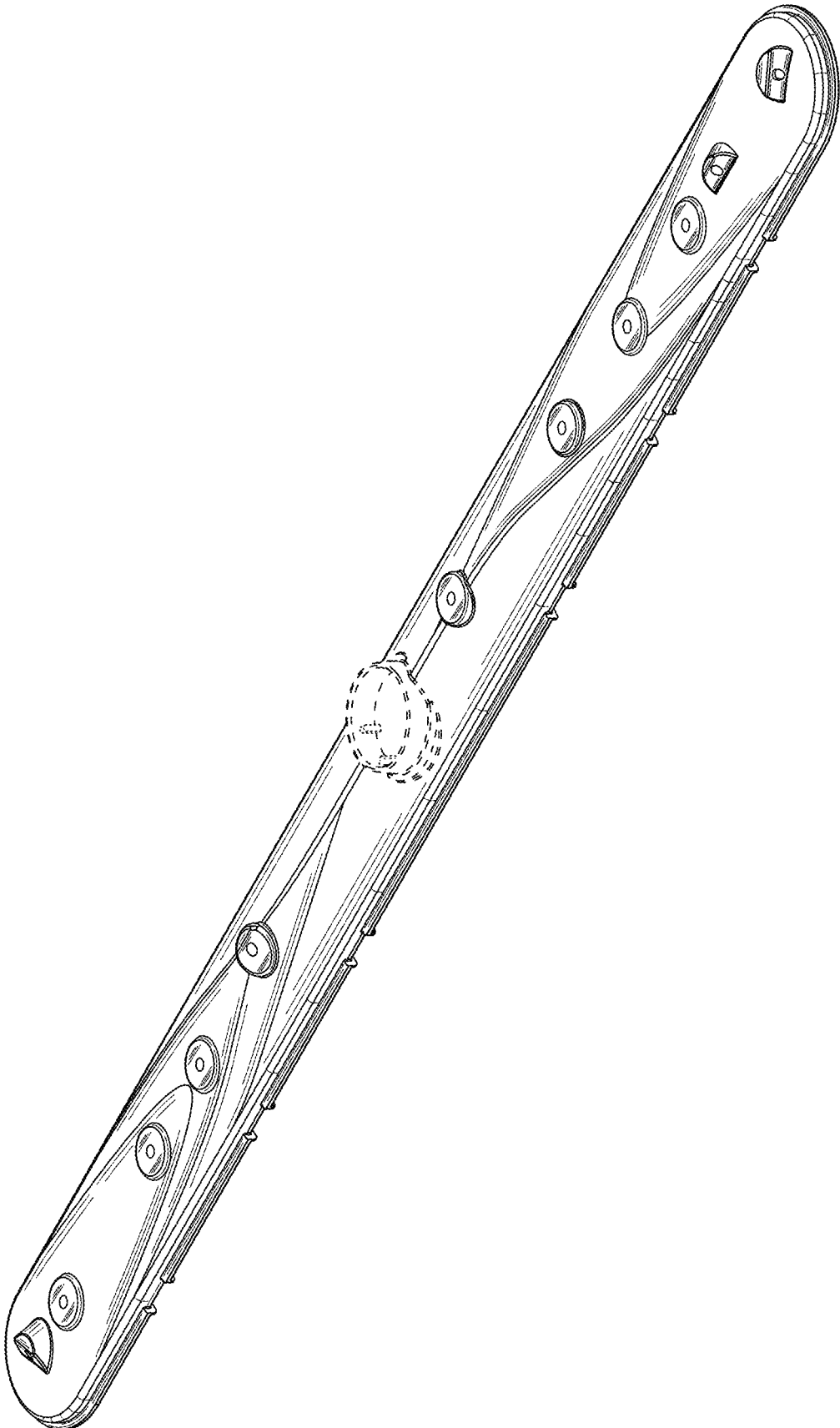


FIG. 1

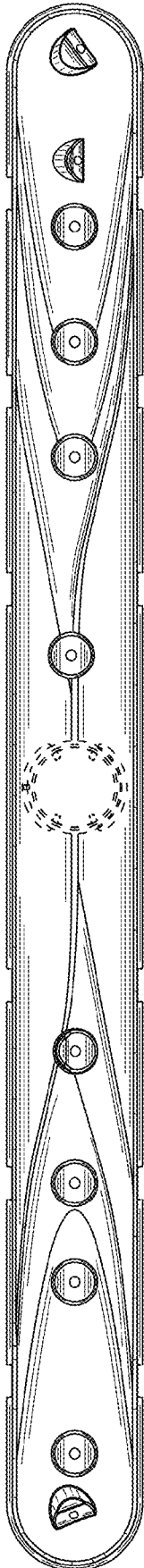


FIG. 2

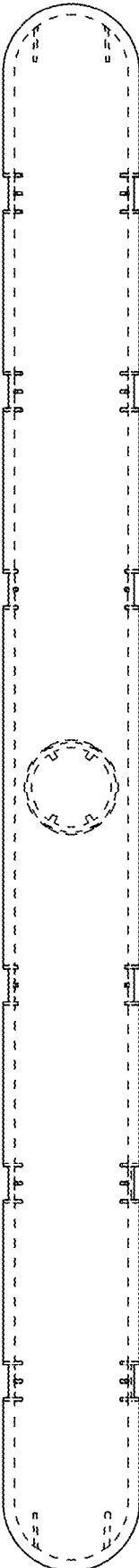


FIG. 3



FIG. 4

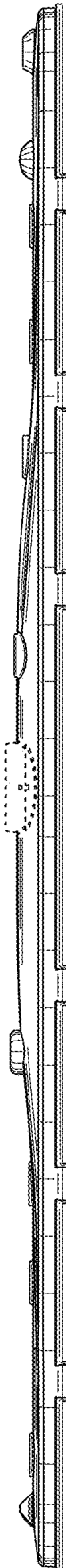


FIG. 5

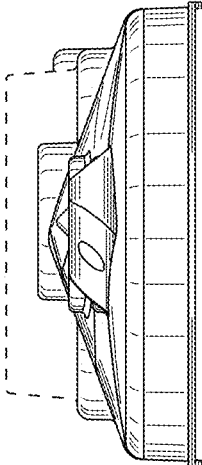


FIG. 6

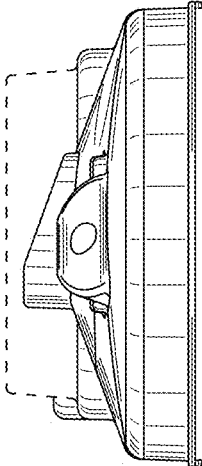


FIG. 7

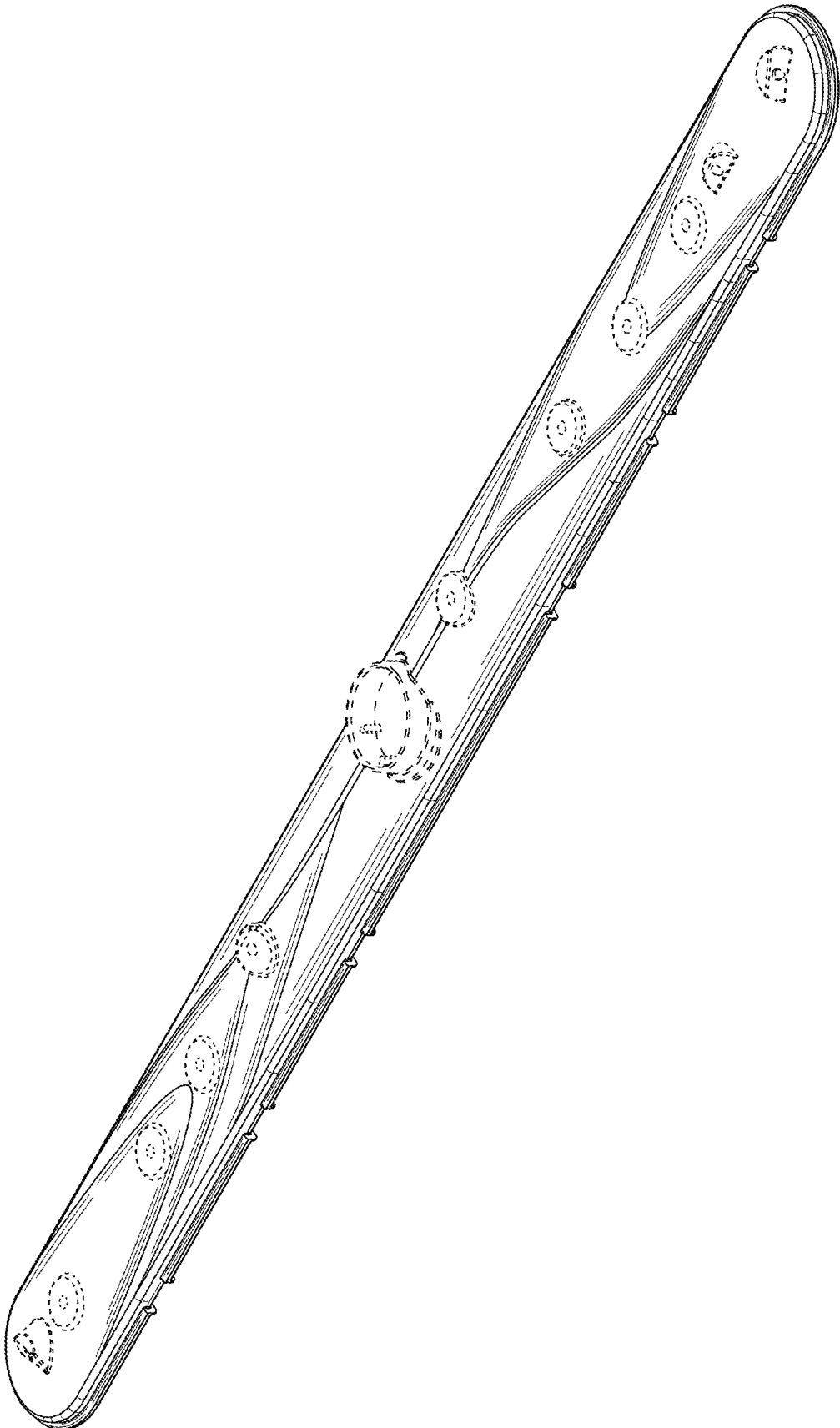


FIG. 8

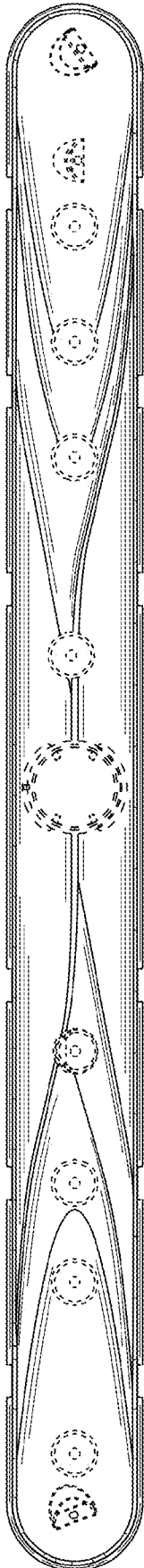


FIG. 9

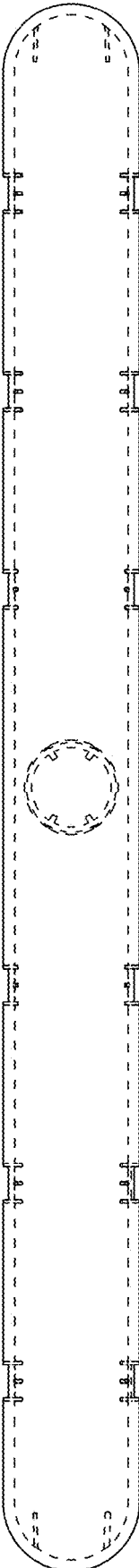


FIG. 10



FIG. 11

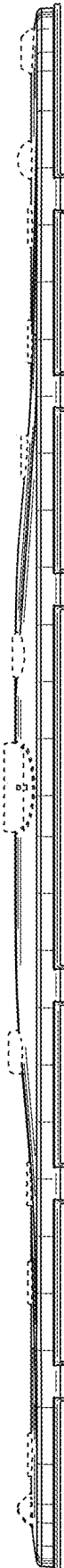


FIG. 12

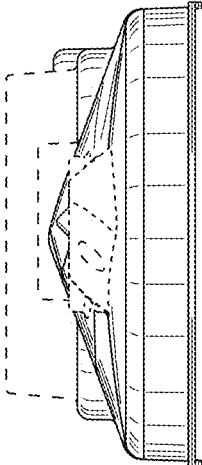


FIG. 13

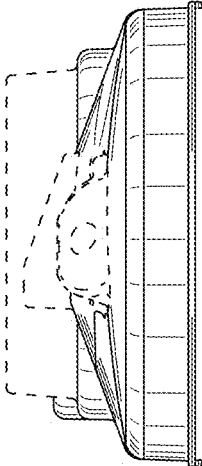


FIG. 14