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

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(54) **TWO HEAD CLEANING APPARATUS**

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

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(51) **LOC (10) Cl.** **15-05**

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

(58) **Field of Classification Search**

USPC D32/50-52, 40-42, 15, 17, 21-22, 31, D32/38-39
CPC A47L 13/12; A47L 13/16; A47L 13/20; A47L 13/24; A47L 13/144; A47L 13/146; A47L 13/225

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 3,023,438 A * 3/1962 Trentel A47L 13/146
15/119.2
- 3,030,648 A * 4/1962 Greenleaf A47L 13/146
15/119.2
- 3,034,165 A * 5/1962 Christian A47L 13/44
15/114
- D204,662 S * 5/1966 Benjamin D32/50
- 3,775,802 A * 12/1973 Grassman A47L 13/254
15/147.2
- D231,512 S * 4/1974 Zemke D32/50
- D250,245 S * 11/1978 Bebb D32/50
- 4,580,307 A * 4/1986 Moss A47L 13/59
15/144.2
- D295,914 S * 5/1988 Moss D32/50
- D368,346 S * 3/1996 Kiefer D32/50
- D368,561 S * 4/1996 Hodges D32/50
- D649,310 S * 11/2011 Colangelo D32/40
- D670,470 S * 11/2012 Simmons D32/50
- D672,107 S * 12/2012 Van LANDINGHAM, Jr. D32/50

- D725,854 S * 3/2015 Yoshitomi D32/22
- 2002/0042962 A1 * 4/2002 Willman A47L 13/16
15/208
- 2002/0124339 A1 * 9/2002 Cann A47L 13/146
15/119.2
- 2011/0100395 A1 * 5/2011 Van LANDINGHAM,
Jr. A47L 13/258
134/6
- 2012/0110814 A1 * 5/2012 Matola A47L 13/256
29/426.2
- 2014/0250618 A1 * 9/2014 Howard A47L 13/20
15/228

FOREIGN PATENT DOCUMENTS

CN 301281450 * 7/2010

OTHER PUBLICATIONS

Dyson Hard combines mop with vacuum—Telegraph, article date Oct. 29, 2013, [site visited Apr. 14, 2016 11:11:51 PM], <http://www.telegraph.co.uk/technology/news/10410126/Dyson-Hard-combines-mop-with-vacuum.html>.*

* cited by examiner

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(57) **CLAIM**

The ornamental design of a two-headed cleaning apparatus, substantially as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a two-headed cleaning apparatus in accordance with the present invention; FIG. 2 is a top view thereof; FIG. 3 is a left side view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a front view thereof; FIG. 6 is a bottom view thereof; and, FIG. 7 is a rear view thereof.

1 Claim, 2 Drawing Sheets

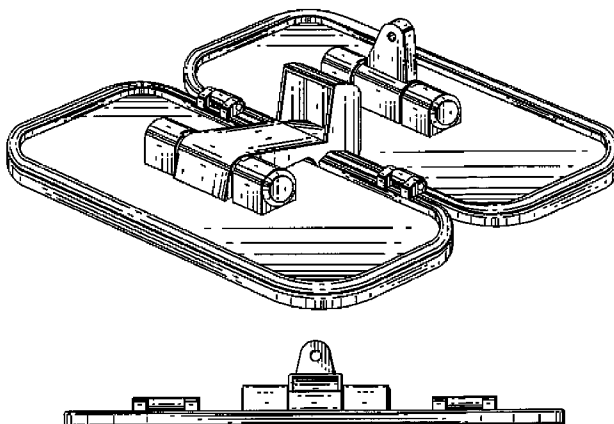


FIG. 1

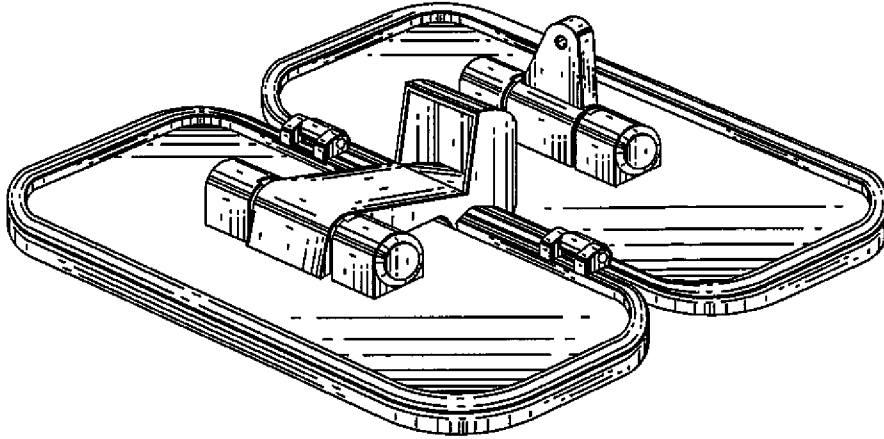


FIG. 2

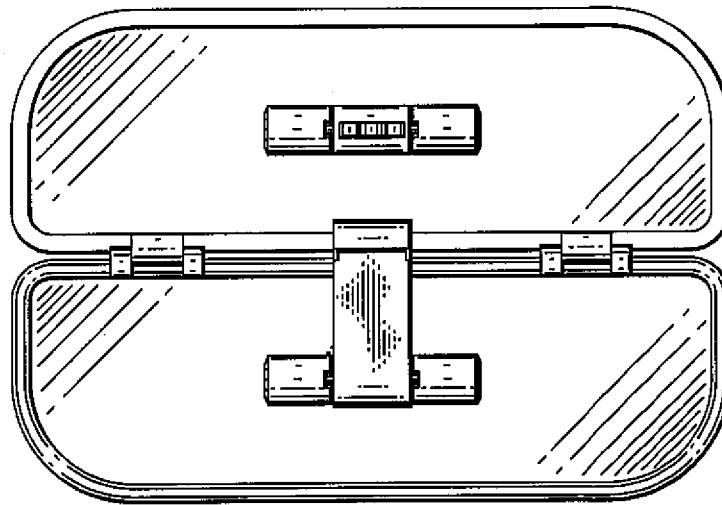


FIG. 3

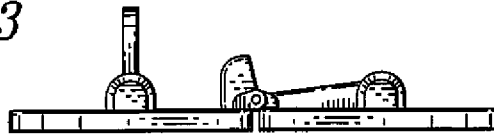


FIG. 4

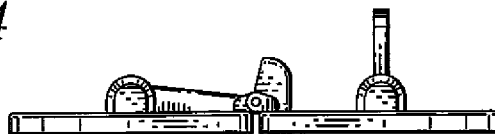


FIG. 5



FIG. 6

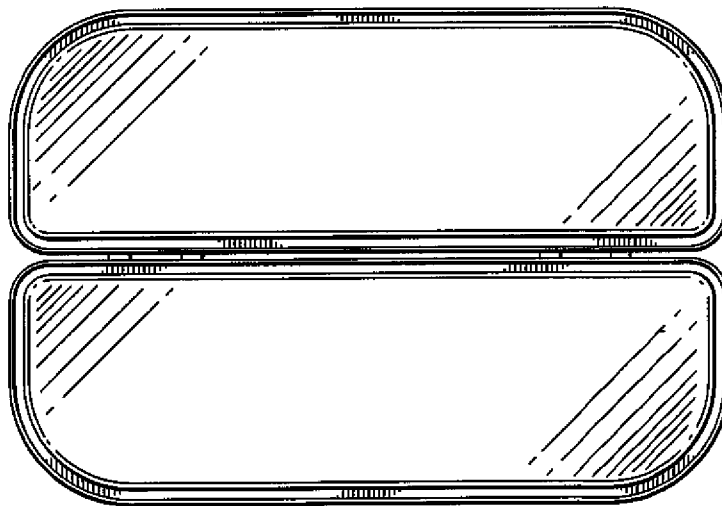


FIG. 7

