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(12) **United States Design Patent** (10) **Patent No.:** **US D963,980 S**  
**Su** (45) **Date of Patent:** **\*\* Sep. 13, 2022**

(54) **SCRAPER**

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

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(52) **U.S. Cl.**  
USPC ..... **D32/46**

(58) **Field of Classification Search**  
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D8/90-93  
CPC .. A47L 1/16; A47L 13/46; A47L 13/06; A47J  
43/288; A63B 49/08; B25G 1/10; A01G  
3/06  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D242,744 S *	12/1976	Rendleman .....	D24/149
D260,959 S *	9/1981	Schnarr .....	D32/49
D268,639 S *	4/1983	Johannsen .....	D7/650
4,617,735 A *	10/1986	Silverstein .....	B26B 29/025 30/294
4,761,882 A *	8/1988	Silverstein .....	B26B 5/001 30/162
D313,880 S *	1/1991	Magnasco .....	D32/46
D320,483 S *	10/1991	Desautel .....	15/236.08
D348,184 S *	6/1994	Neshat .....	D7/649
D368,998 S *	4/1996	King .....	D8/19
D372,180 S *	7/1996	Powell .....	D8/93
D441,510 S *	5/2001	Zegman .....	D32/49
D467,395 S *	12/2002	McCool .....	D32/48
D481,283 S *	10/2003	Watson .....	D8/93
D537,589 S *	2/2007	Huddleston .....	D32/47
D845,086 S *	4/2019	McMahon .....	D7/649

D845,088 S *	4/2019	McMahon .....	D7/649
D863,923 S *	10/2019	Chalfant .....	D8/93
D923,259 S *	6/2021	Chen .....	D30/159
D937,057 S *	11/2021	Vallo .....	D7/650
2013/0008035 A1 *	1/2013	Hsiung .....	B26B 9/00 30/350

**FOREIGN PATENT DOCUMENTS**

WO WO-2012126527 A1 \* 9/2012 ..... B25D 1/00

**OTHER PUBLICATIONS**

[https://www.acehardware.com/departments/tools/measure-and-marking-tools/measuring-devices/20999?store=15122&gclid=Cj0KCQjwma6TBhDIARIsAOKuANyNmKD0U5j-63LCIfpynTyXUNb27nQJif9XZiM-gcNIMiQvpXfuOKYaAtGtEALw\\_wcB&gclsrc=aw.ds.\\*](https://www.acehardware.com/departments/tools/measure-and-marking-tools/measuring-devices/20999?store=15122&gclid=Cj0KCQjwma6TBhDIARIsAOKuANyNmKD0U5j-63LCIfpynTyXUNb27nQJif9XZiM-gcNIMiQvpXfuOKYaAtGtEALw_wcB&gclsrc=aw.ds.*)

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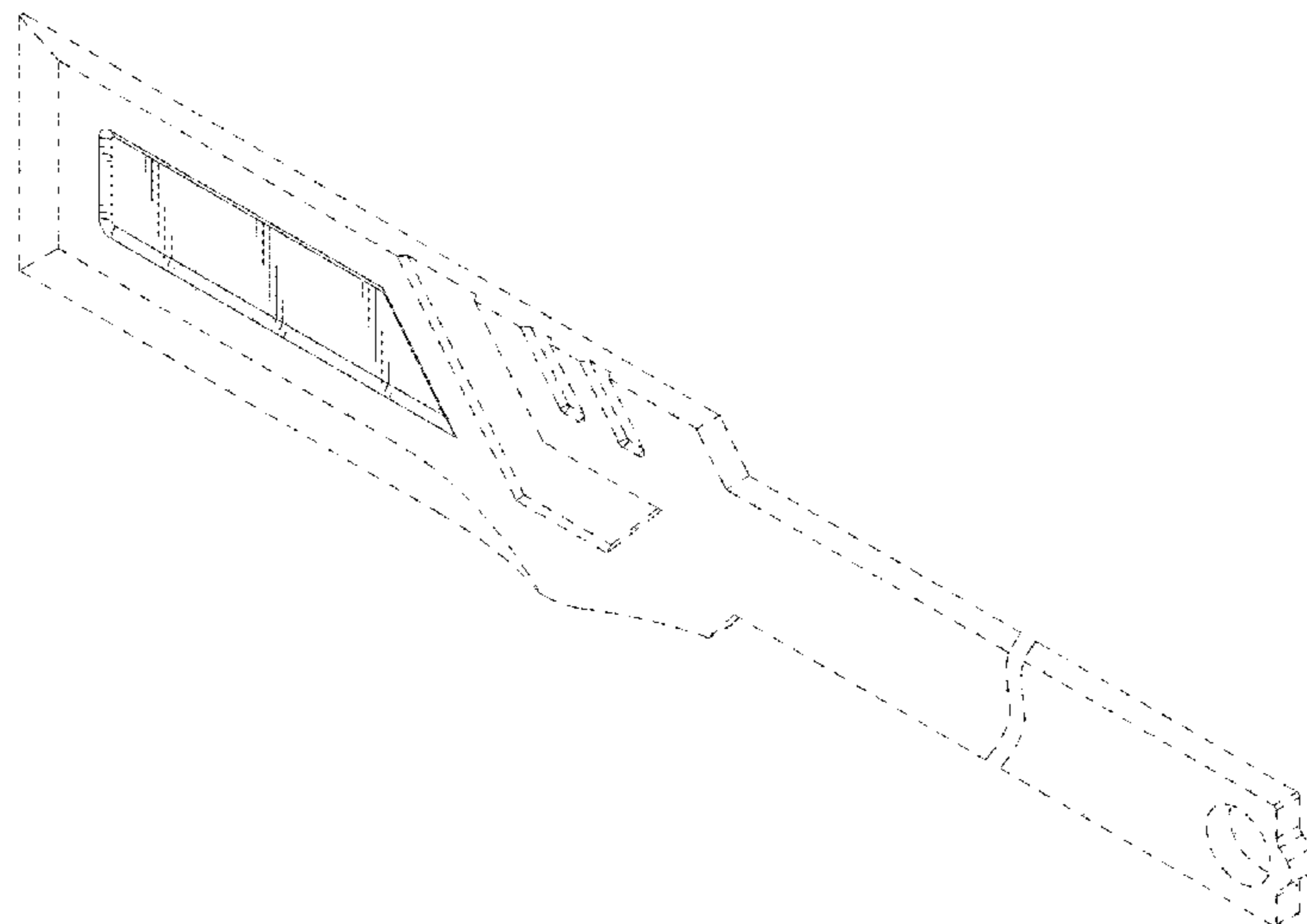
(57) **CLAIM**

The ornamental design for a scraper, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a scraper showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left view thereof;  
FIG. 5 is a right view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof; and,  
FIG. 8 is a sectional view taken along line 8-8 of FIG. 2.  
The broken lines depict portions of the scraper in which the design is embodied that are not considered part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

OTHER PUBLICATIONS

<https://www.homedepot.com/p/Husky-Contour-Scraper-with-6-Blades-410-155-0111/309896472>.\*

Knives presentation Fall 2013, site visited May 2, 2022, [http://srjstaff.santarosa.edu/~yataiia/E45/PROJECTS/Engr%2045%20Project-%20Knives%20\(2\).pdf](http://srjstaff.santarosa.edu/~yataiia/E45/PROJECTS/Engr%2045%20Project-%20Knives%20(2).pdf).\*

\* cited by examiner

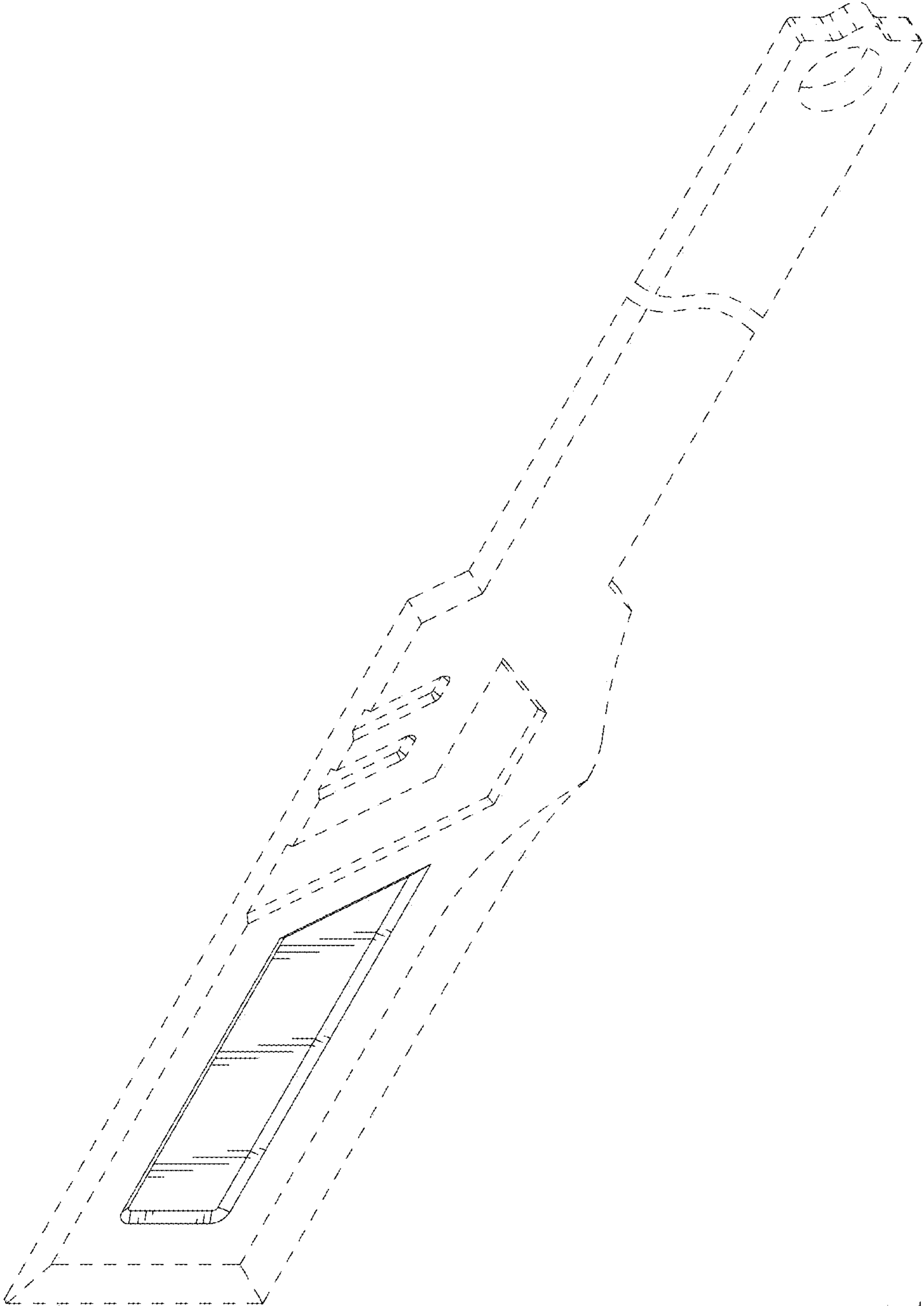


FIG. 1

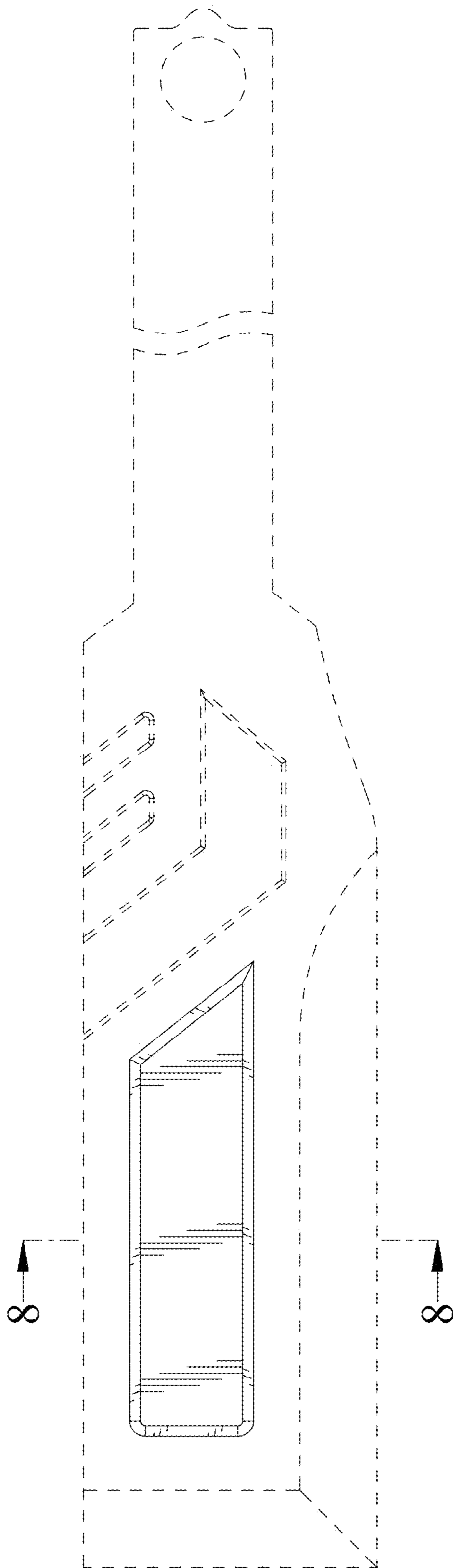


FIG. 2

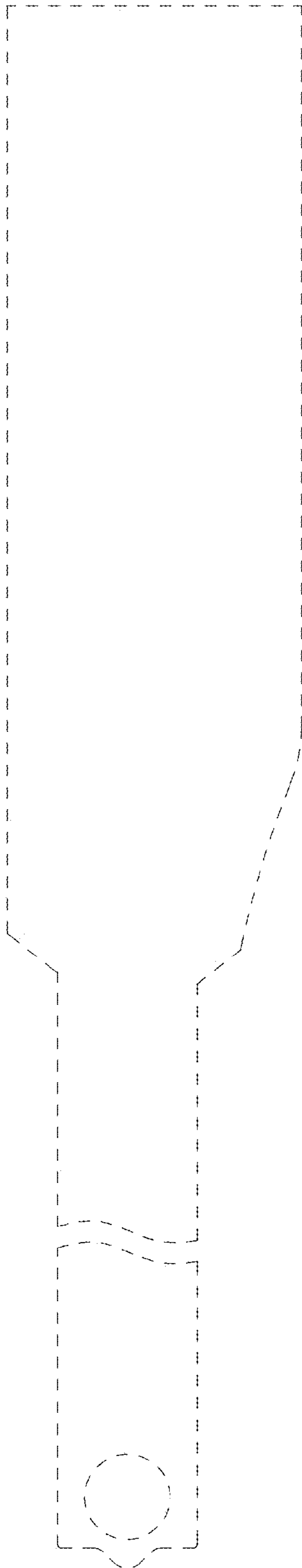


FIG. 3



FIG. 4



FIG. 5

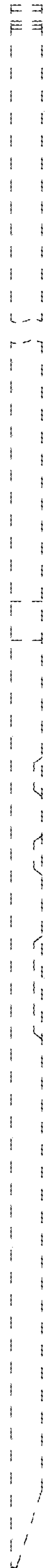


FIG. 6





FIG. 7

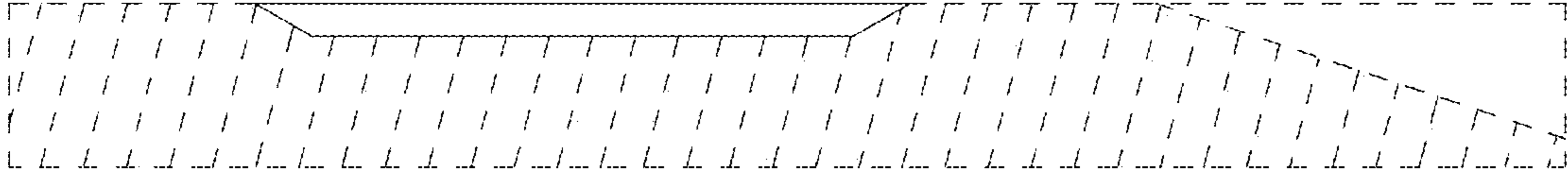


FIG. 8