



US00D769532S

(12) **United States Design Patent** (10) **Patent No.:** **US D769,532 S**
Fisher et al. (45) **Date of Patent:** **** Oct. 18, 2016**

(54) **PORTION OF A DENTAL FLOSS DEVICE** 2004/0040572 A1* 3/2004 Chodorow 132/323
2009/0188522 A1* 7/2009 Rau 132/323
(71) Applicant: **Ranir, LLC**, Grand Rapids, MI (US) 2014/0130824 A1* 5/2014 Fisher et al. 132/323

(72) Inventors: **Jeffrey J. Fisher**, Ada, MI (US); **Scott P. Crossman**, Rockford, MI (US);
Kevin J. Kollar, Ada, MI (US); **Chad E. Kleinheksel**, Zeeland, MI (US)

(73) Assignee: **Ranir, LLC**, Grand Rapids, MI (US)

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

(21) Appl. No.: **29/476,504**

(22) Filed: **Dec. 13, 2013**

Related U.S. Application Data

(63) Continuation of application No. 14/003,292, filed on Jan. 17, 2014.

(51) **LOC (10) Cl.** **28-03**

(52) **U.S. Cl.** **D28/66**
USPC **D28/66**

(58) **Field of Classification Search**
USPC D28/65-68; D24/152; 433/141,
433/146-147; 132/322-329

CPC A61C 15/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,067,692	A	1/1937	Cammack	
4,332,559	A *	6/1982	Dolinsky	433/91
4,522,216	A	6/1985	Bunker	
4,807,651	A	2/1989	Naydich	
5,692,531	A	12/1997	Chodorow	
D401,701	S *	11/1998	Chodorow	D28/66
D489,490	S *	5/2004	Chodorow	D28/68
7,174,904	B2 *	2/2007	Ochs et al.	132/323
8,069,865	B1 *	12/2011	Winter	132/323
8,522,798	B2 *	9/2013	Kollar	132/323

FOREIGN PATENT DOCUMENTS

DE	2923057	12/1980
DE	3516544	2/1986
DE	9110441	12/1991
FR	2782261	2/2000
JP	5023359	2/1993
WO	2007139112	12/2007

OTHER PUBLICATIONS

International Search Report and Written Opinion for International Application No. PCT/US2011/027529, dated Dec. 12, 2011.
English Abstract of Japanese Patent 5023359, Feb. 2, 1993, to Matsushita Electric Works Ltd.

* cited by examiner

Primary Examiner — Zenia Bennett

(74) *Attorney, Agent, or Firm* — Warner Norcross & Judd LLP

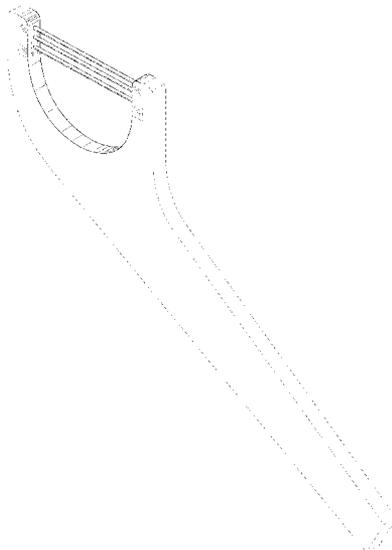
(57) **CLAIM**

The ornamental design for a portion of a dental floss device, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the portion of the dental floss device embodying the new design;
FIG. 2 is a front view thereof; and,
FIG. 3 is a right side view thereof.
FIGS. 1-3 show portions of the design in broken lines. The portions shown in broken lines form no part of the claimed design.

1 Claim, 2 Drawing Sheets



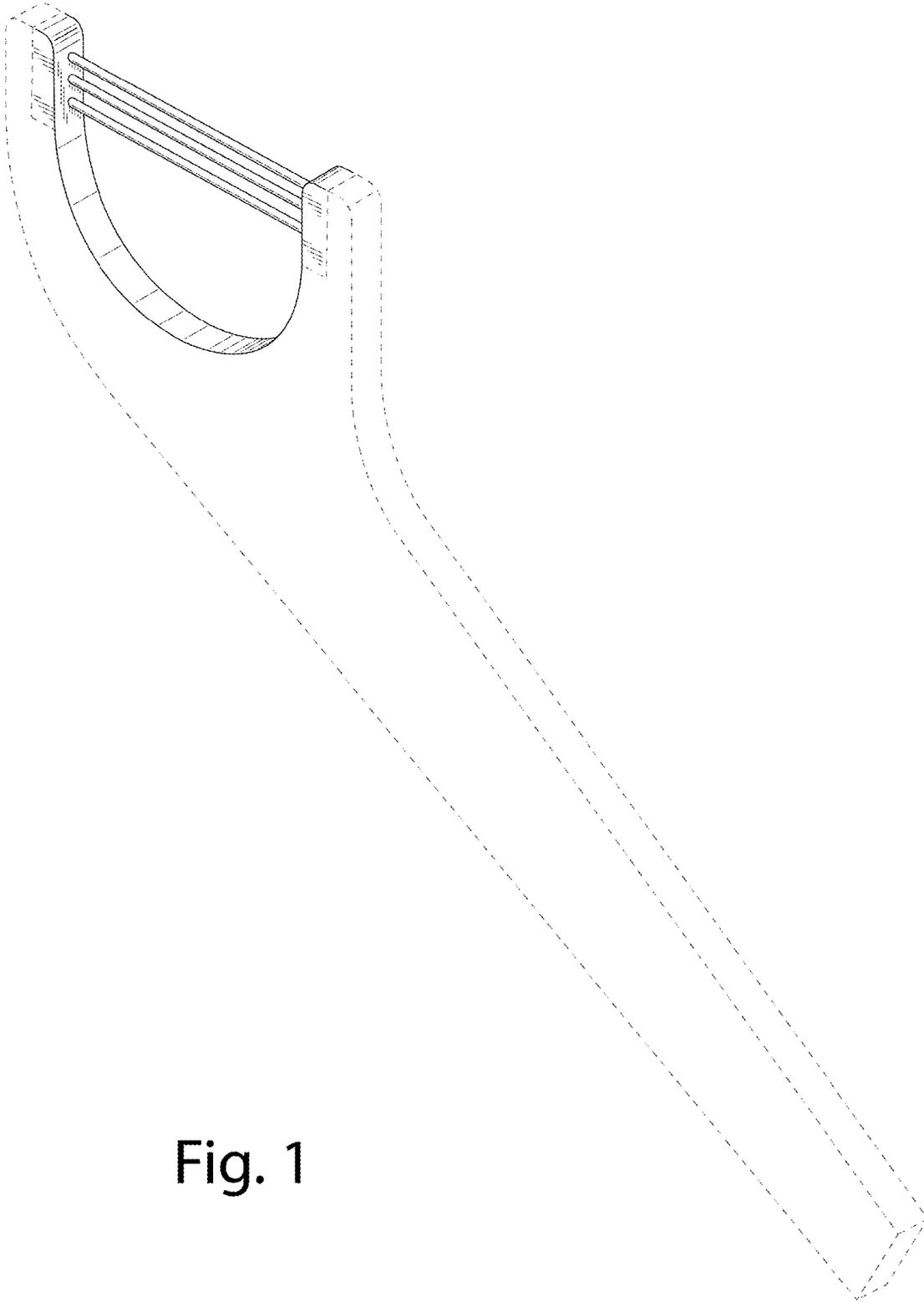


Fig. 1

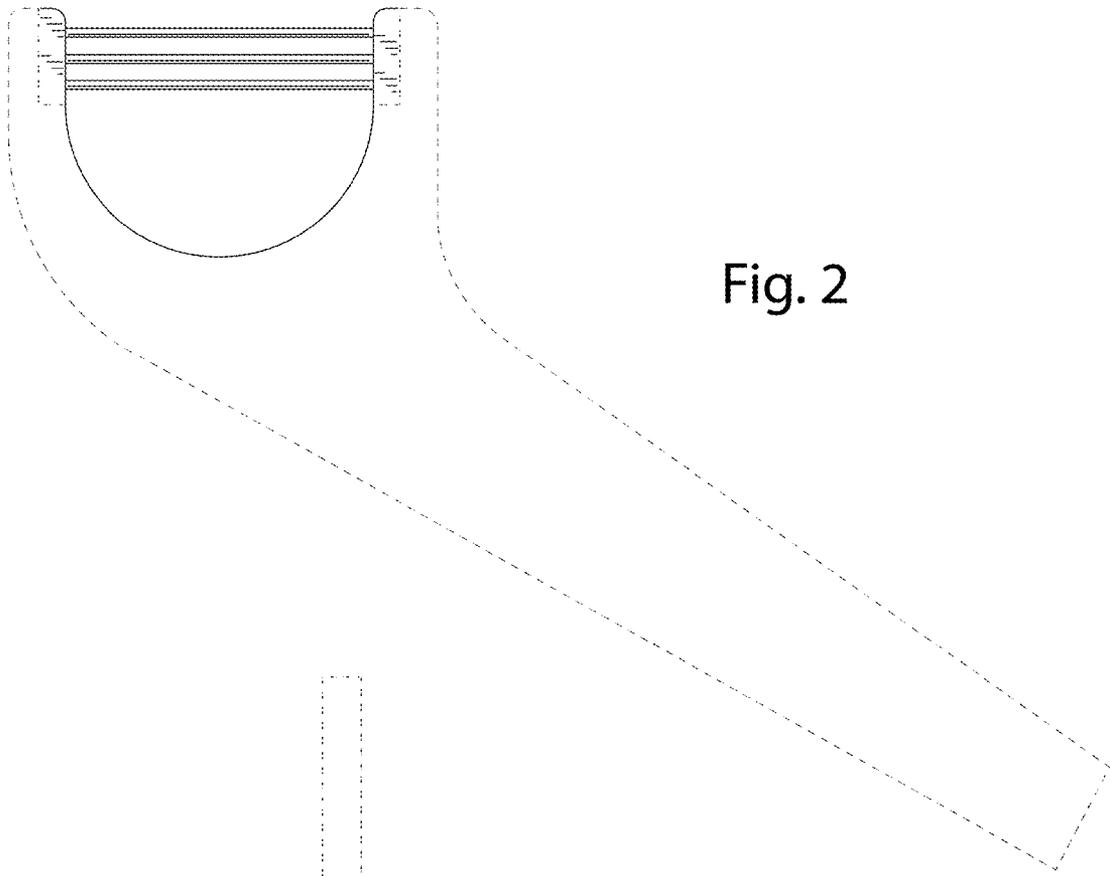


Fig. 2



Fig. 3