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

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(54) **TISSUE MINCING TOOL**

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(52) **U.S. Cl.**  
USPC ..... **D7/372**

(58) **Field of Classification Search**

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19/025; A47J 19/04; A47J 19/06; A47J 42/32;  
A47J 42/34; A47J 42/36; A47J 43/044;  
A47J 43/25; A47J 43/255; B01F 7/26; B01F  
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B02C 2002/00; B02C 2013/00; B02C 2013/14;  
B02C 2013/145; B02C 2013/18; B02C  
2013/1807; B02C 2013/1857; B02C  
2013/1864; B30B 9/00; B30B 9/16; B30B  
9/18; B30B 9/20; B30B 9/26; B30B 9/205;  
B30B 9/207

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D7/678-679, 693-694; 99/495, 501-513;  
100/94-95, 98 R, 144, 147; 241/33-34,  
241/36-37.5, 82.1, 82.4-82.5, 92-93, 100,  
241/168-169, 273.1; 366/197, 204, 206,  
366/251, 258, 341, 347  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,695,643 A \* 11/1954 Aberer ..... 241/92  
D215,390 S \* 9/1969 McGee ..... D7/383

(Continued)

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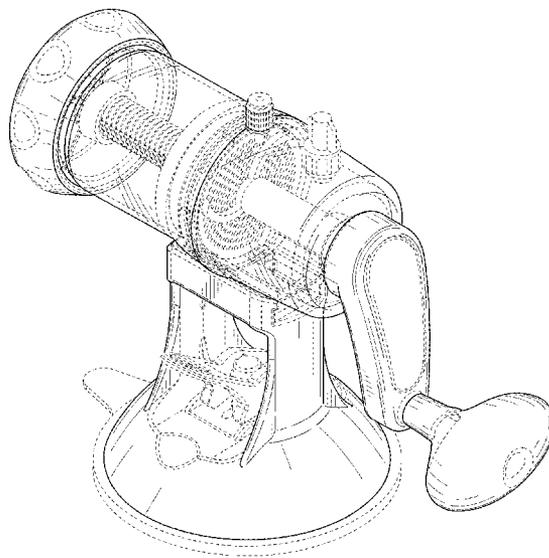
(57) **CLAIM**

The ornamental design for a tissue mincing tool, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front perspective view of a tissue mincing tool; FIG. 2 is a bottom, rear perspective view of the tissue mincing tool; FIG. 3 is a front view of the tissue mincing tool; FIG. 4 is a rear view of the tissue mincing tool; FIG. 5 is a right side view of the tissue mincing tool; FIG. 6 is a left side view of the tissue mincing tool; FIG. 7 is a top view of the tissue mincing tool; and, FIG. 8 is a bottom view of the tissue mincing tool. The broken lines shown in the drawings of a tissue mincing tool are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D233,123 S *	10/1974	Rigamonti	.....	D7/372	D531,850 S *	11/2006	Wong	.....	D7/372
D424,889 S *	5/2000	Yip	.....	D7/679	7,207,510 B2 *	4/2007	Wong	.....	241/82.1
D484,738 S *	1/2004	Wong	.....	D7/372	D680,390 S *	4/2013	Dichraff et al.	.....	D7/693
D507,455 S *	7/2005	Bertulis	.....	D7/376	D694,074 S *	11/2013	Wong	.....	D7/678
					2006/0243837 A1 *	11/2006	Wong	.....	241/82.1
					2007/0277682 A1 *	12/2007	Wong	.....	99/495

\* cited by examiner

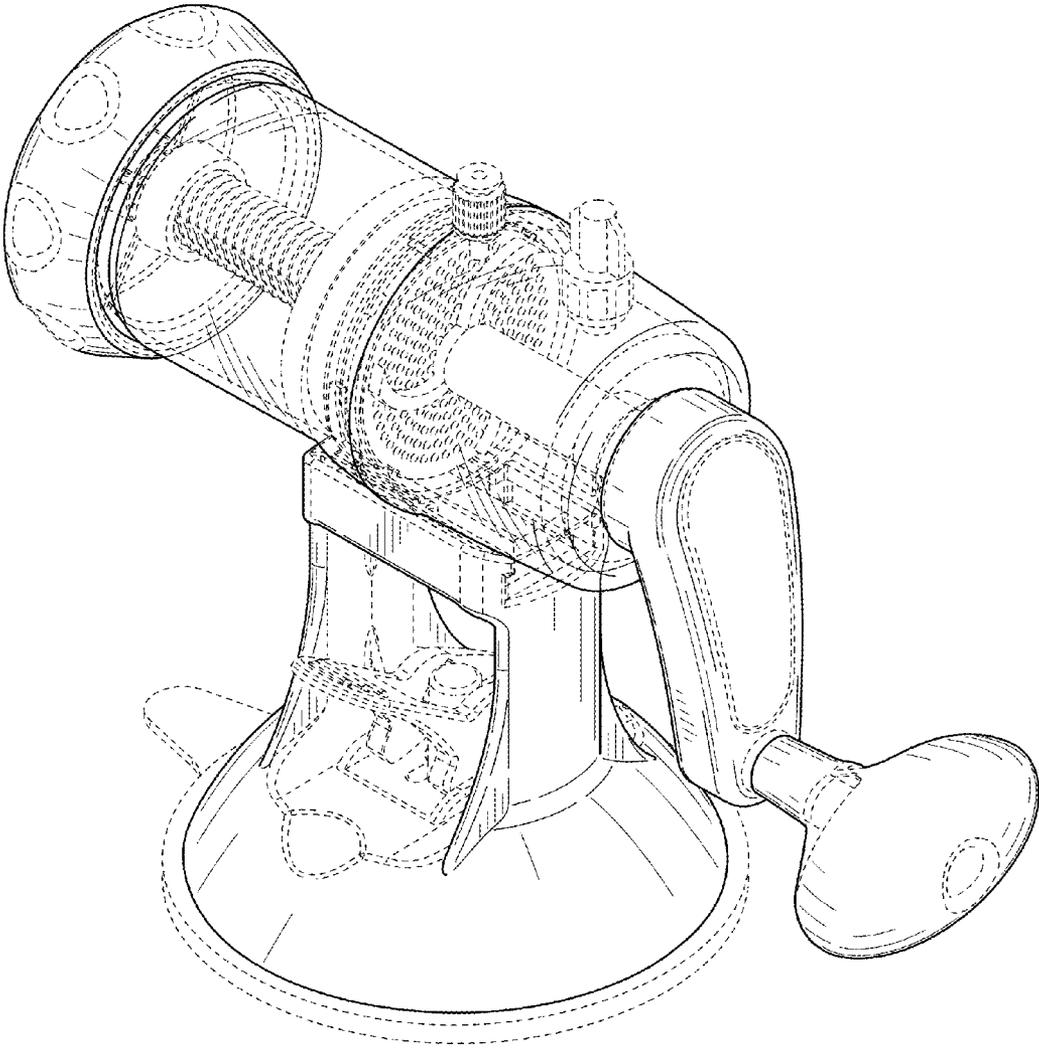


FIG. 1

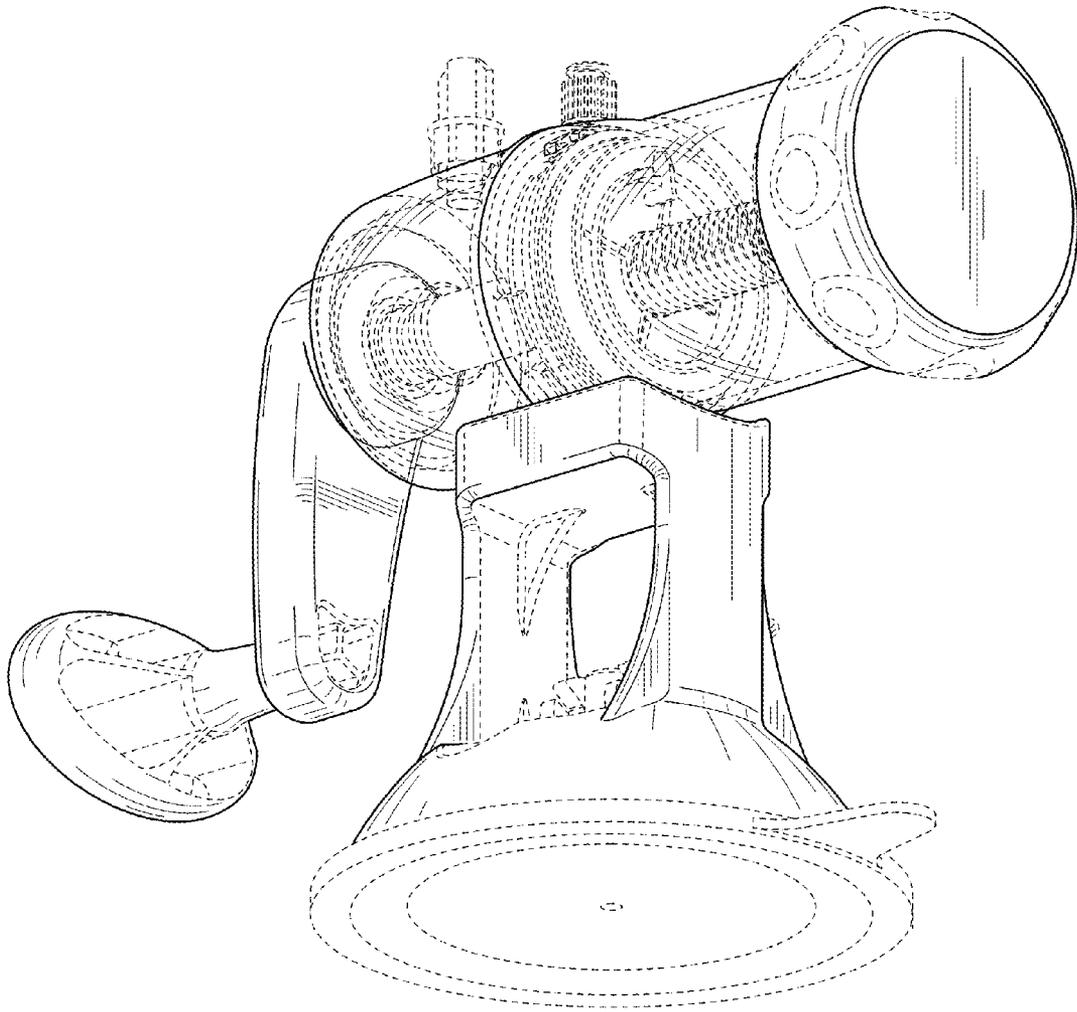


FIG. 2

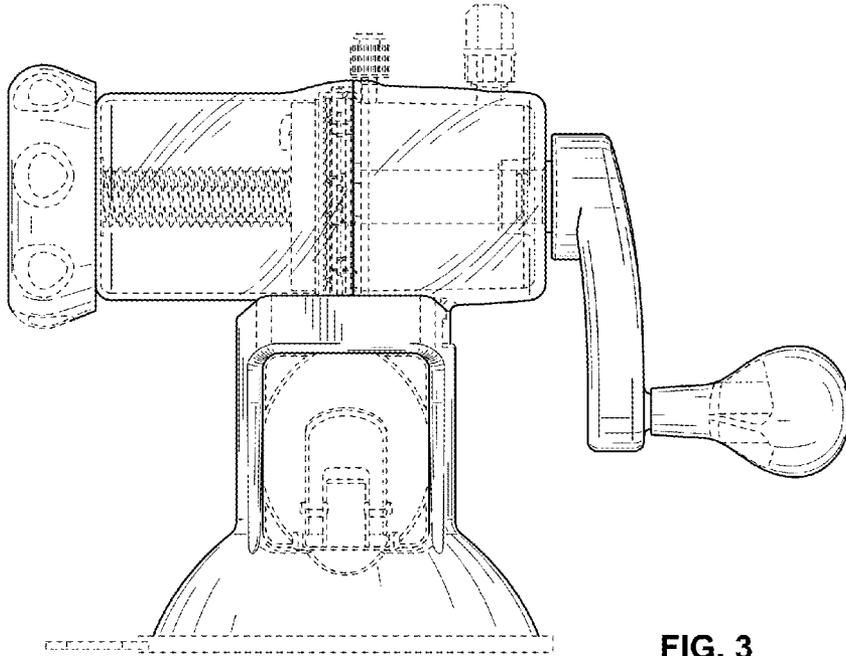


FIG. 3

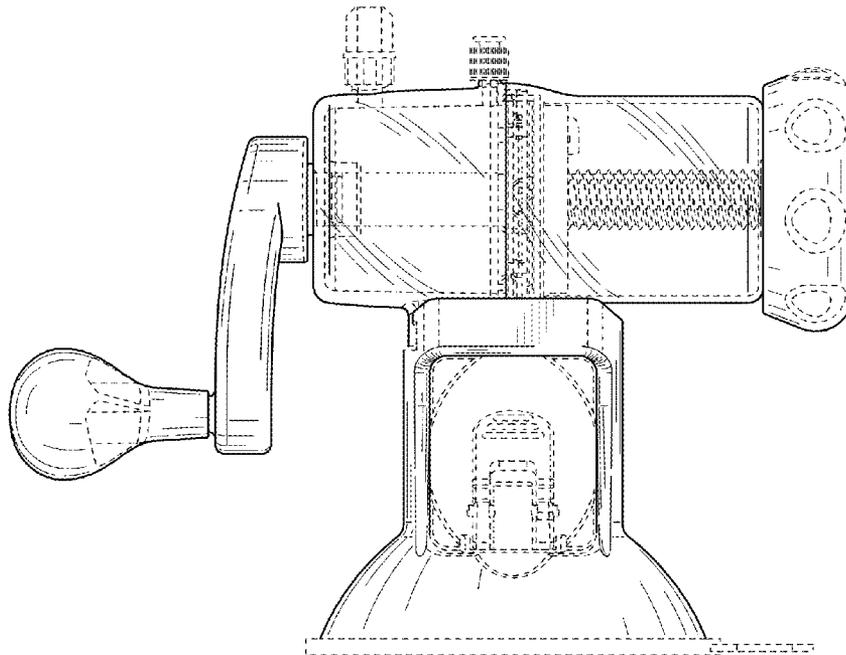


FIG. 4

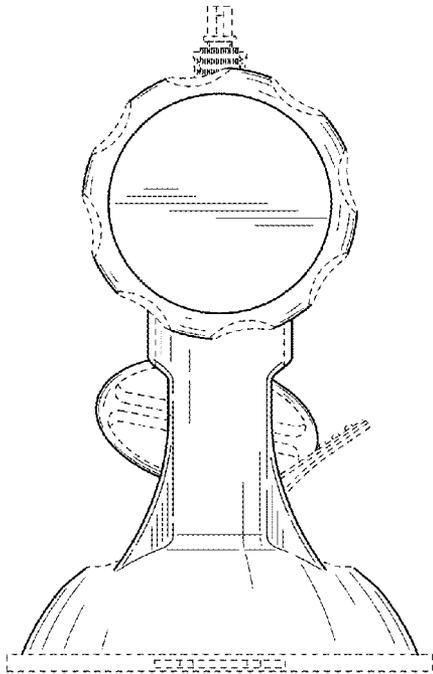


FIG. 5

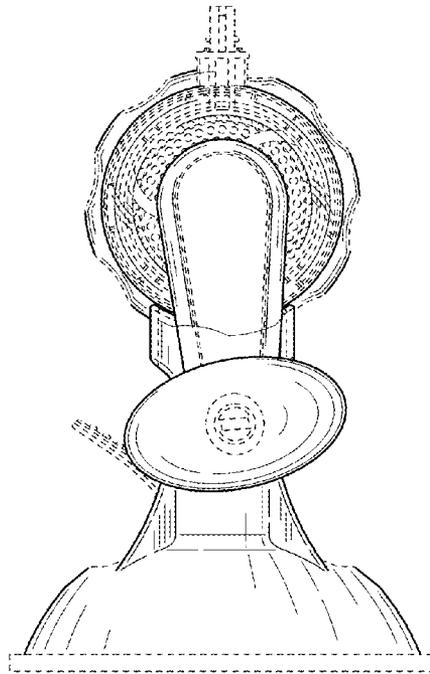


FIG. 6

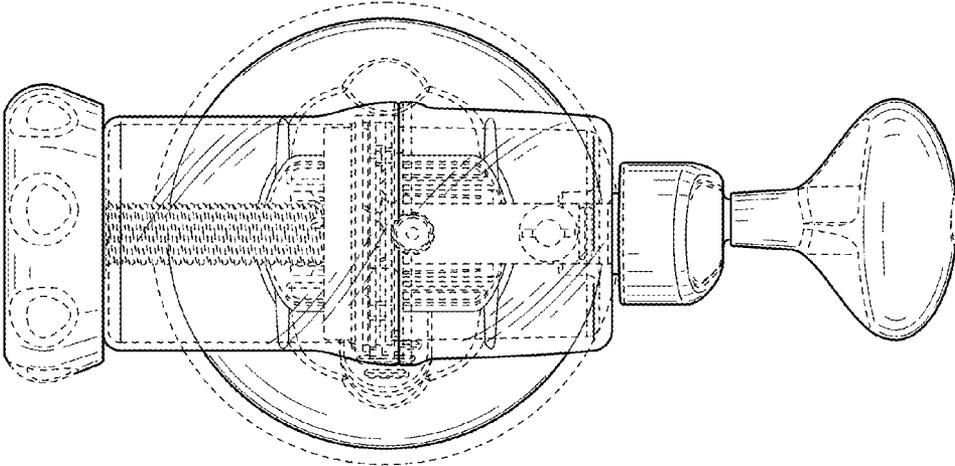


FIG. 7

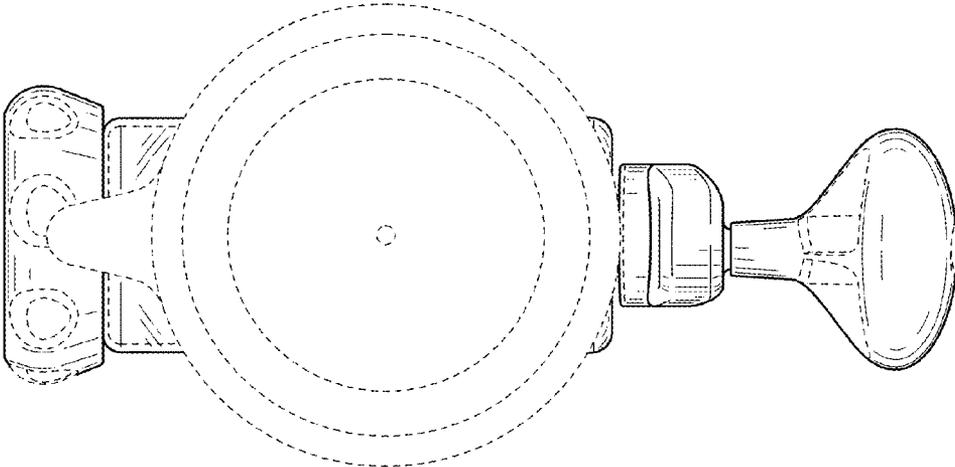


FIG. 8