



US00D928437S

(12) **United States Design Patent** (10) **Patent No.:** **US D928,437 S**
Meissner et al. (45) **Date of Patent:** **** *Aug. 17, 2021**

(54) **NOZZLE FOR FLOOR CLEANER**
(71) Applicant: **Carl Freudenberg KG**, Weinheim (DE)
(72) Inventors: **Jan Meissner**, Hamburg (DE); **Guenter Wissmann**, Schenefeld (DE)
(73) Assignee: **CARL FREUDENBERG KG**, Weinheim (DE)

5,768,747 A * 6/1998 Smith A01K 13/002 15/400
5,826,300 A * 10/1998 Smith A01K 13/002 15/402
D479,636 S * 9/2003 Kitts D32/32
D590,112 S * 4/2009 Sun D32/32
D596,362 S * 7/2009 Crevling, Jr. D32/33
D605,821 S * 12/2009 Shaanan D32/35

(Continued)

(*) Notice: This patent is subject to a terminal disclaimer.
(**) Term: **15 Years**

(21) Appl. No.: **29/715,677**
(22) Filed: **Dec. 4, 2019**

(30) **Foreign Application Priority Data**
Jun. 4, 2019 (EM) 006562252
(51) **LOC (13) Cl.** **15-05**
(52) **U.S. Cl.**
USPC **D32/32**
(58) **Field of Classification Search**
USPC D30/158; D32/17, 23, 32, 33, 35
CPC . E04H 4/1654; B05B 17/0684; A47L 9/0416;
A47L 9/04; A47L 11/34; A01K 13/002;
D06F 75/30
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D215,875 S * 11/1969 Hoadley D32/32
D239,243 S * 3/1976 Hachtmann D32/32
D264,139 S * 4/1982 Pearman, Jr. D32/33
D290,418 S * 6/1987 Strohmeyer D32/32
D296,372 S * 6/1988 Toney D32/32
D306,788 S * 3/1990 McAllister D32/32
D392,779 S * 3/1998 Fedorka D32/32

OTHER PUBLICATIONS

Vacuum Floor Nozzle Housing <https://www.searspartsdirect.com/product/5ndglb23zi-0020-473/id-440004826> (Year: 2020).*

(Continued)

Primary Examiner — Michelle E. Wilson
Assistant Examiner — Richard E Yenchesky
(74) *Attorney, Agent, or Firm* — Leydig, Voit & Mayer, Ltd.

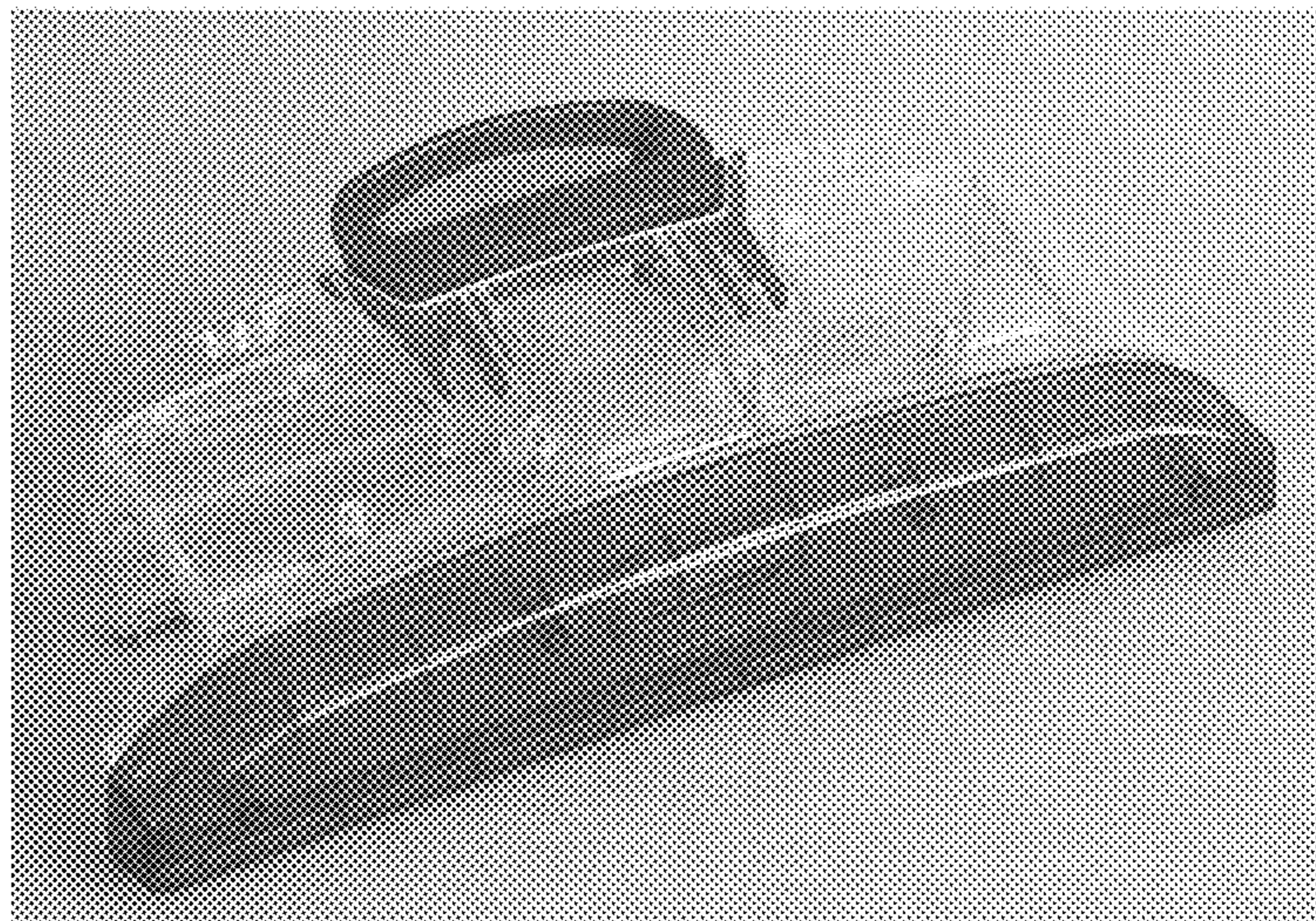
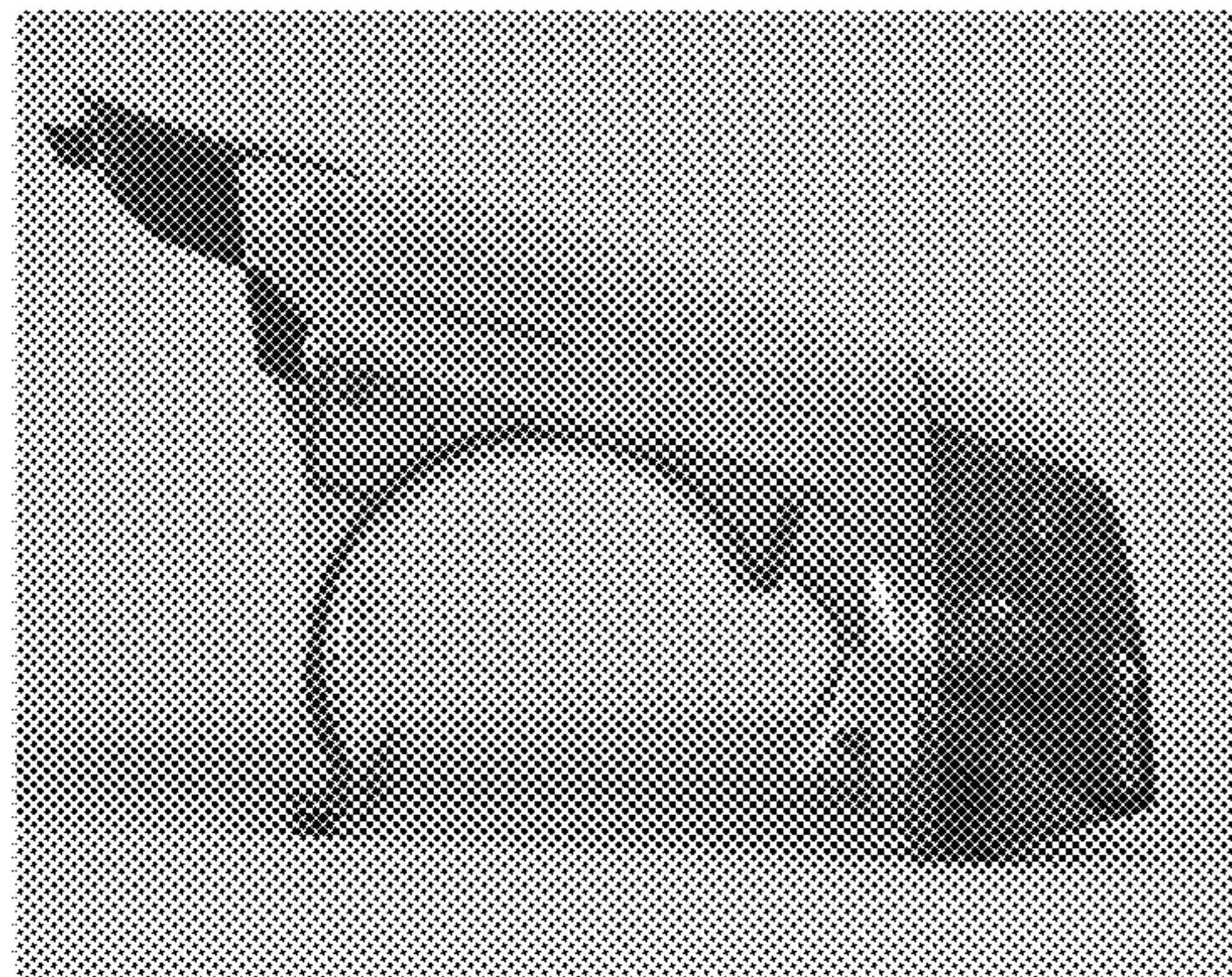
(57) **CLAIM**

The ornamental design for a nozzle for floor cleaner, as shown and described.

DESCRIPTION

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.
FIG. 1 is a right side view of a nozzle for floor cleaner showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof; and,
FIG. 7 is a front-right-top perspective view thereof.

1 Claim, 7 Drawing Sheets
(7 of 7 Drawing Sheet(s) Filed in Color)



(56)

References Cited

U.S. PATENT DOCUMENTS

D613,912 S * 4/2010 Benacquisto D30/158
 D621,110 S * 8/2010 Eden D32/32
 D621,565 S * 8/2010 Pierce D32/32
 D621,567 S * 8/2010 Crawley D32/33
 D624,717 S * 9/2010 Roschi D32/32
 D663,909 S * 7/2012 Andreesen D32/17
 D670,454 S * 11/2012 Sherk, Jr. D30/158
 D674,978 S * 1/2013 Hill D32/32
 D701,011 S * 3/2014 Miller D32/32
 D750,858 S * 3/2016 Aramli D32/32
 D767,224 S * 9/2016 Santiago D32/32
 D780,392 S * 2/2017 Mikula D32/32
 D793,638 S * 8/2017 LaBarbera D32/32
 D804,755 S * 12/2017 Nam D32/33
 D806,964 S * 1/2018 Nam D32/23
 D852,443 S * 6/2019 Martin D32/33
 D860,994 S * 9/2019 Wingate D14/426
 D860,995 S * 9/2019 Wingate D14/426
 D869,111 S * 12/2019 Chavana, Jr. D32/32
 D869,112 S * 12/2019 Chavana, Jr. D32/32
 D880,793 S * 4/2020 Ducette, Jr. D32/32
 D880,794 S * 4/2020 Doucette, Jr. D32/32
 D896,456 S * 9/2020 Doucette, Jr. D32/32
 2005/0268426 A1 * 12/2005 Lee A47L 9/04
 15/323

2007/0169289 A1 * 7/2007 Hanvey E04H 4/1654
 15/1.7
 2011/0047744 A1 * 3/2011 Bozzelli A47L 9/0416
 15/339
 2015/0354128 A1 * 12/2015 Choo A47L 11/34
 68/222
 2016/0053430 A1 * 2/2016 Chua D06F 75/30
 68/5 A
 2018/0333736 A1 * 11/2018 Krebs B05B 17/0684

OTHER PUBLICATIONS

Floor Base Nozzle Window <https://www.ezvacuum.com/bissell-2149871-window-nozzle-whoook-p-3911.html> (Year: 2020).*
 Nozzle Base <http://97.74.239.26/nozzle-base-fh40150-hoover-440004828> (Year: 2020).*
 FlexClean Hard Floor Nozzle <https://www.rugdoctor.co.uk/product/flexclean-hard-floor-nozzle/> (Year: 2020).*
 U.S. Appl. No. 29/715,519, filed Dec. 3, 2019.
 U.S. Appl. No. 29/715,676, filed Dec. 4, 2019.
 U.S. Appl. No. 29/715,678, filed Dec. 4, 2019.
 U.S. Appl. No. 29/715,674, filed Dec. 4, 2019.
 U.S. Appl. No. 29/715,679, filed Dec. 4, 2019.

* cited by examiner

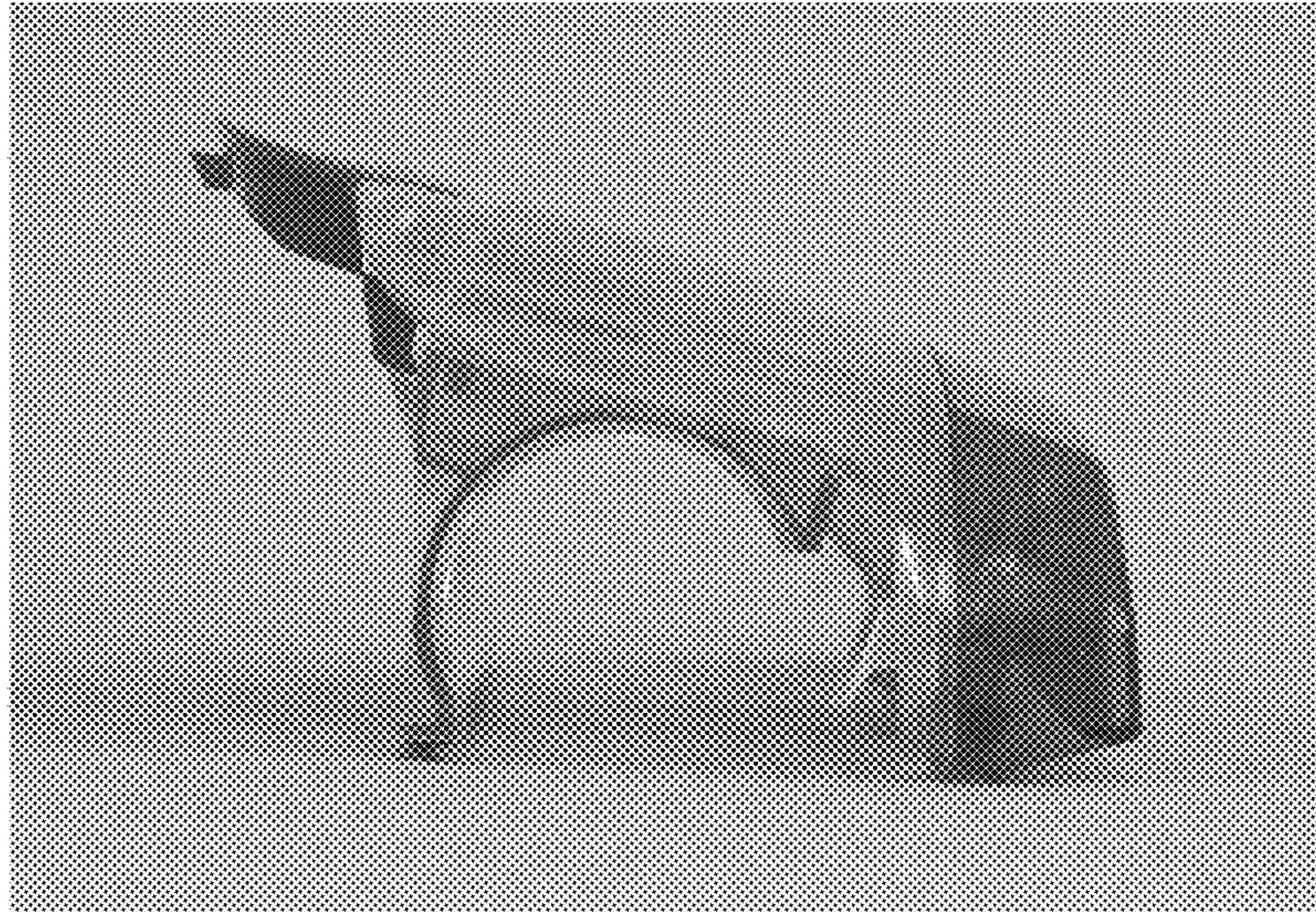


FIG. 1

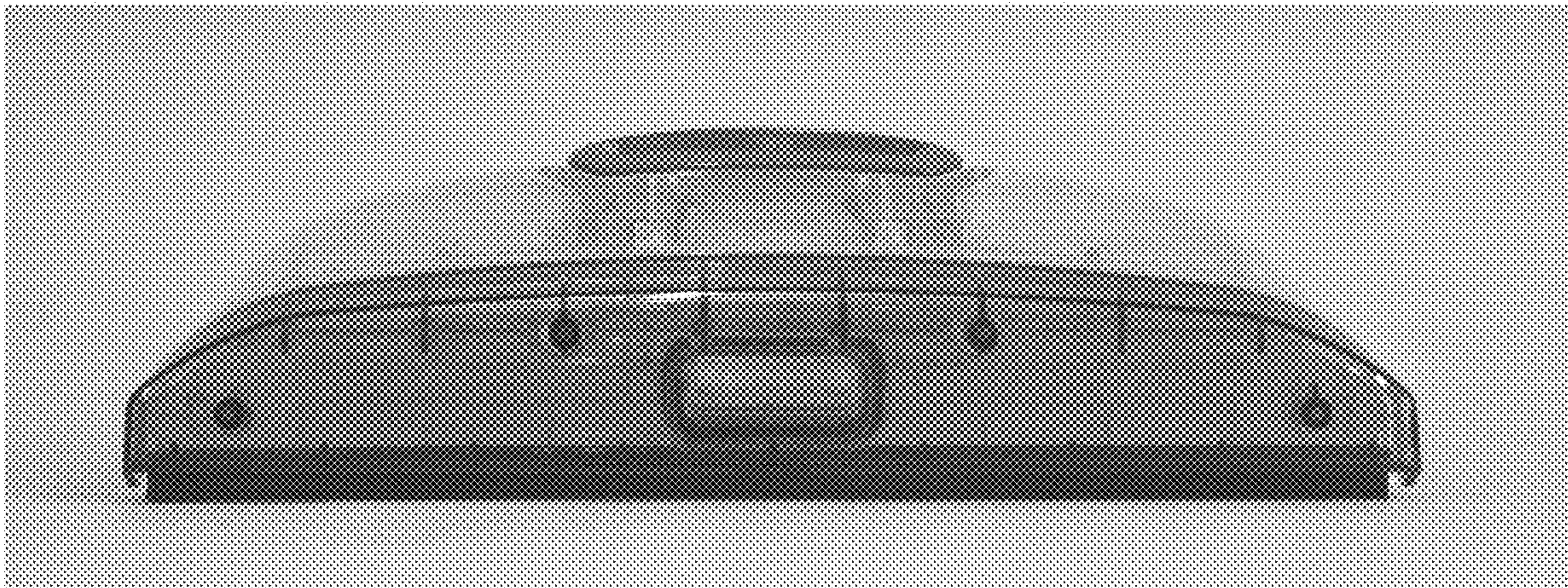


FIG. 2

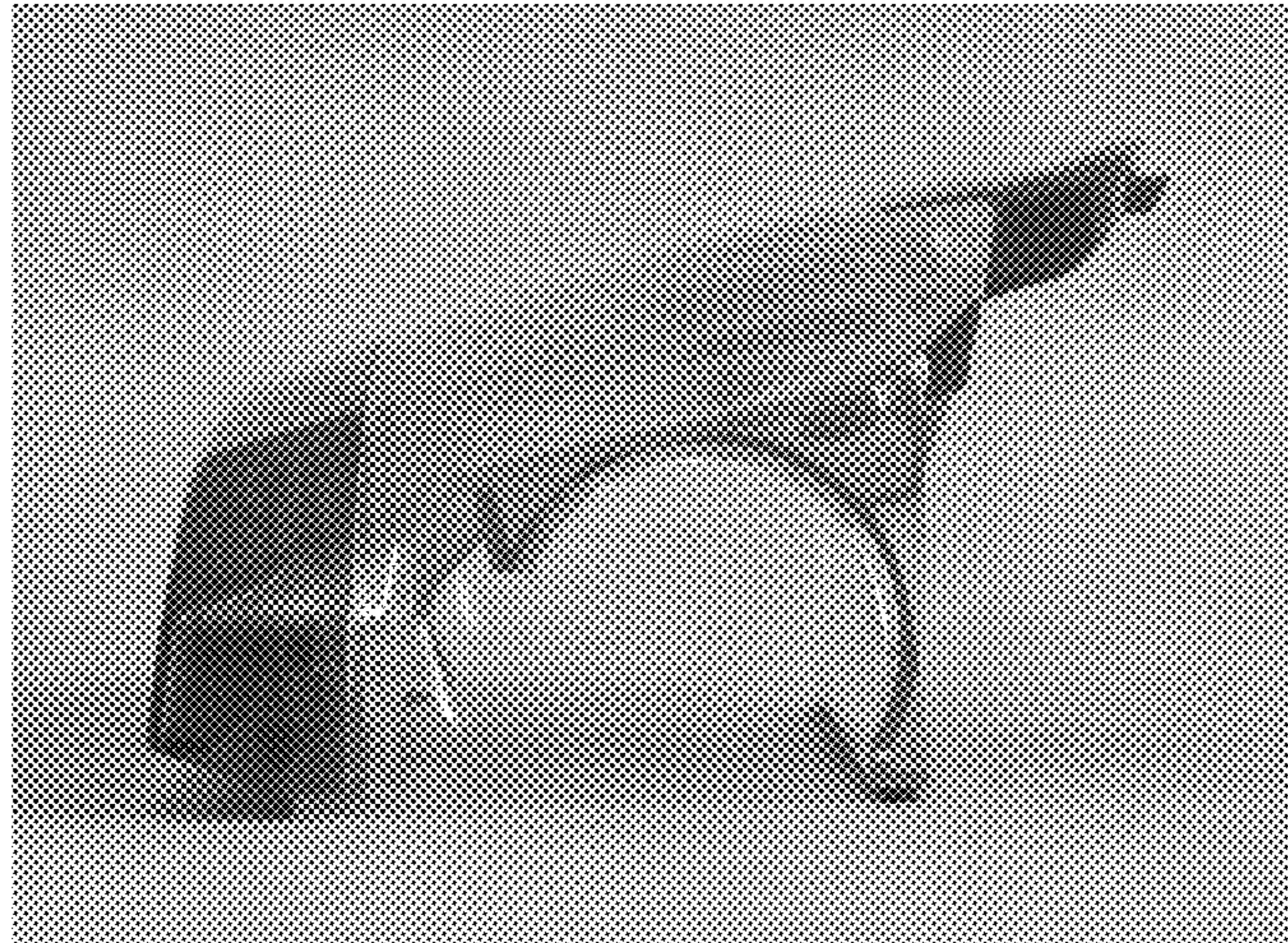


FIG. 3

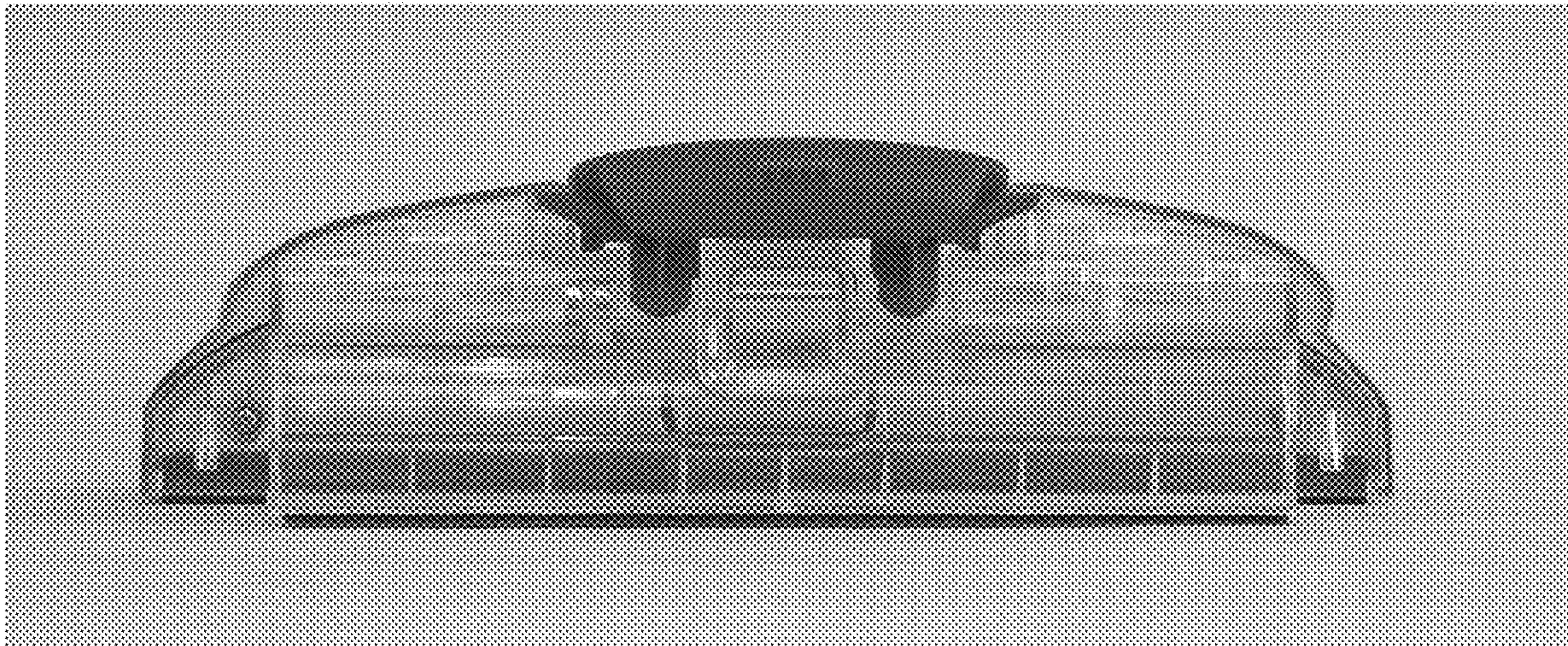


FIG. 4

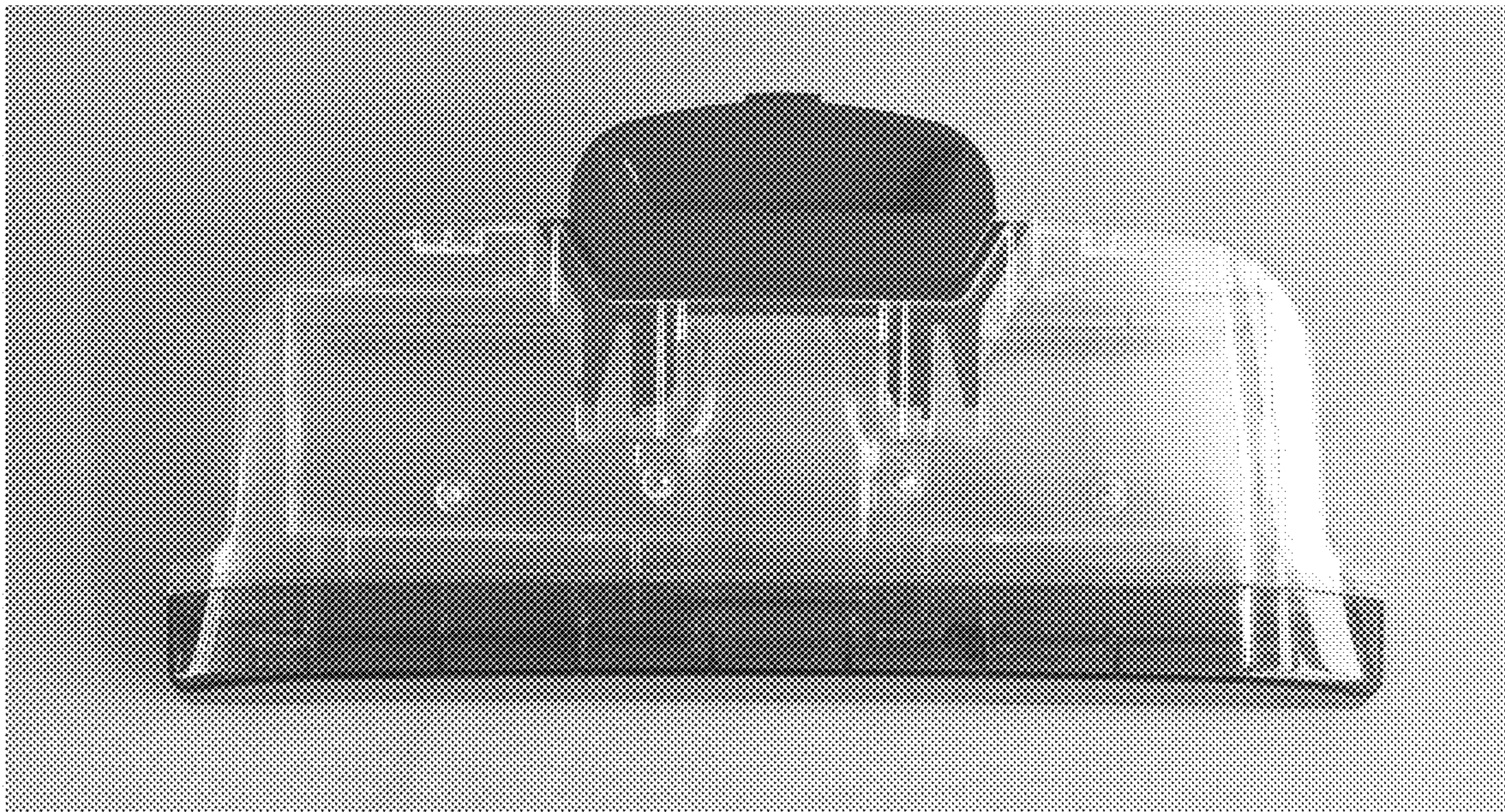


FIG. 5

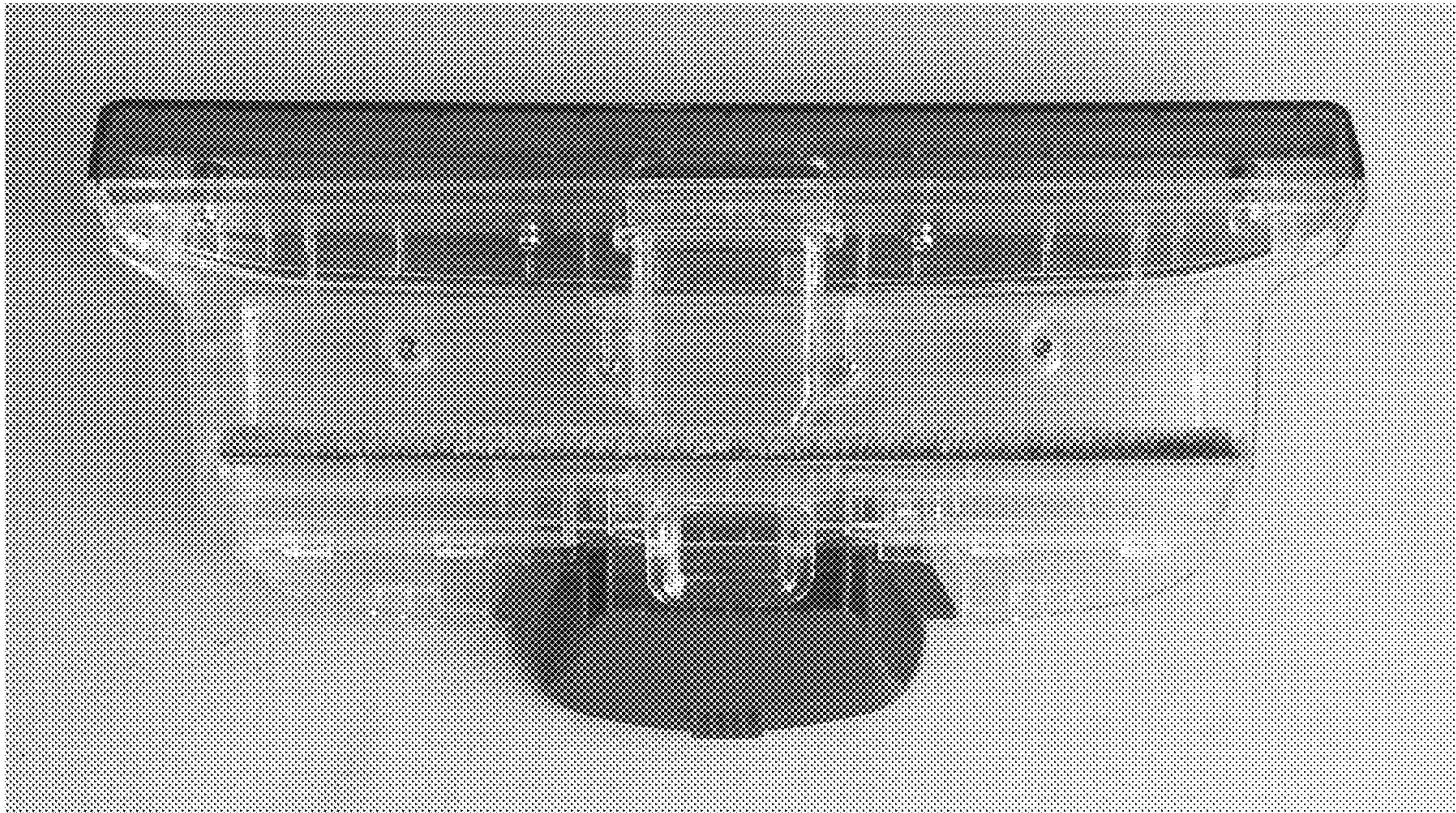


FIG. 6

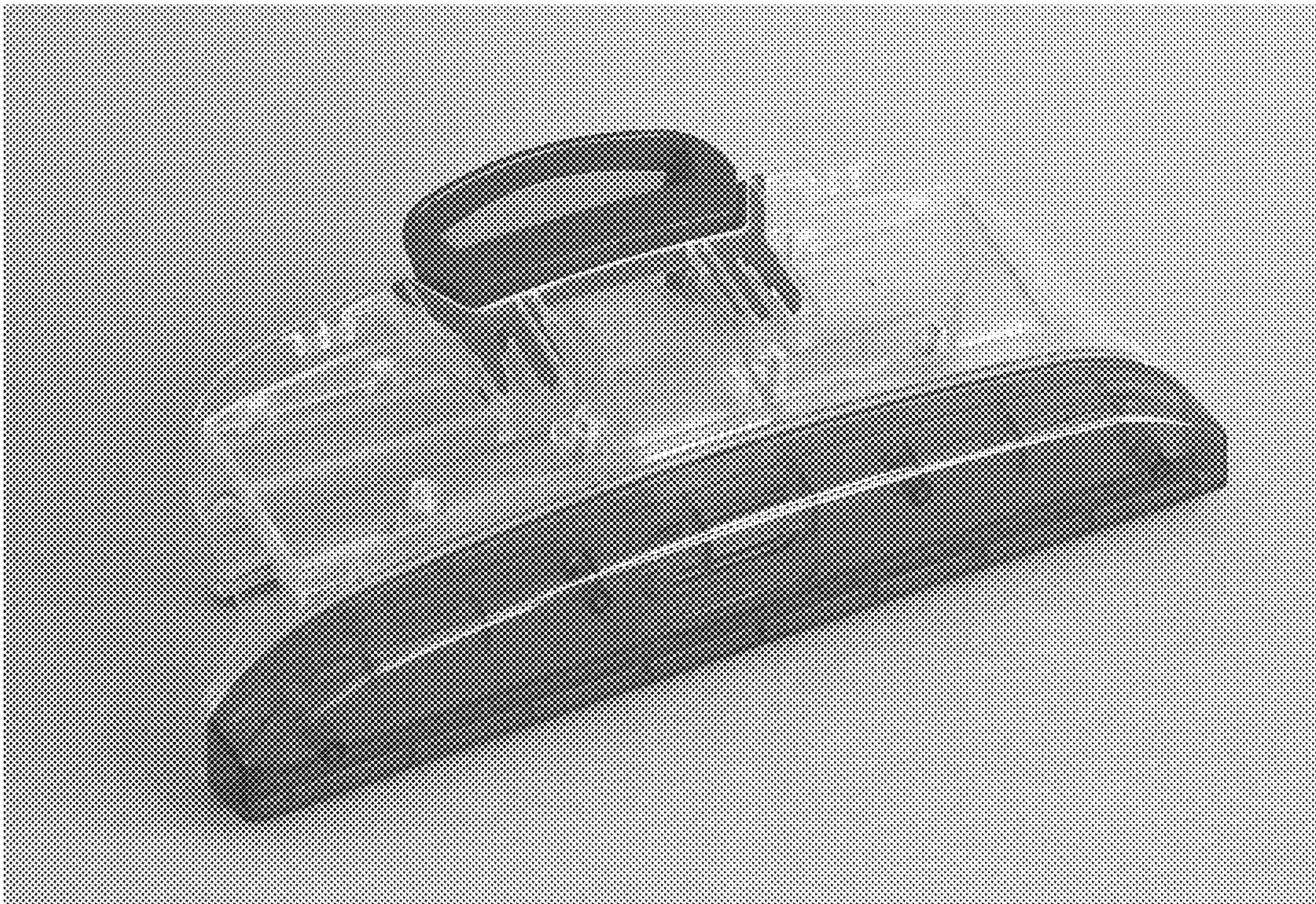


FIG. 7