

US00D564092S

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

(10) **Patent No.:** **US D564,092 S**
(45) **Date of Patent:** **** Mar. 11, 2008**

(54) **VALVE FOR FLUIDS, ESPECIALLY FOR THE MEDICAL TECHNIQUE**

(75) Inventor: **Jan Willem Marinus Mijers**,
Heemstede (NL)

(73) Assignee: **Filtertek Inc.**, Hebron, IL (US)

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

(21) Appl. No.: **29/220,875**

(22) Filed: **Jan. 7, 2005**

(30) **Foreign Application Priority Data**

Jul. 9, 2004 (DE) 4 04 03 969

(51) **LOC (8) Cl.** **24-02**

(52) **U.S. Cl.** **D24/129**

(58) **Field of Classification Search** D24/110.6,
D24/129; 604/6.1, 9, 32-34, 99.02-99.04,
604/83; 251/5, 12; D23/233, 421; 137/512,
137/843, 859

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,231,822 A * 7/1917 Warman 236/23
1,637,489 A * 8/1927 Kuhl 137/512
2,271,497 A * 1/1942 Newell 137/493

(Continued)

FOREIGN PATENT DOCUMENTS

BE 1 009 834 A6 10/1997

(Continued)

OTHER PUBLICATIONS

U.S. Appl. No 29/220,976, filed Jan. 7, 2005, Mijers.

(Continued)

Primary Examiner—Louis S. Zarfes
Assistant Examiner—Eric L Goodman
(74) *Attorney, Agent, or Firm*—Brinks Hofer Gilson & Lione

(57) **CLAIM**

I claim the ornamental design for a valve for fluids, especially for the medical technique, as shown and described.

DESCRIPTION

The patent file contains at least one drawing executed in color. Copies of this patent with color drawings will be provided by the United States Patent and Trademark Office upon request and payment of the necessary fee.

FIG. 1 is a top perspective view of a first embodiment of a valve for fluids, especially for the medical technique of the present invention;

FIG. 2 is a top view thereof;

FIG. 3 is a bottom view thereof;

FIG. 4 is a front view thereof;

FIG. 5 is a rear view thereof;

FIG. 6 is a first side view thereof, wherein the second side view is a mirror image thereof;

FIG. 7 is a top perspective view of one embodiment of a valve for fluids, especially for the medical technique of the present invention;

FIG. 8 is a top view thereof;

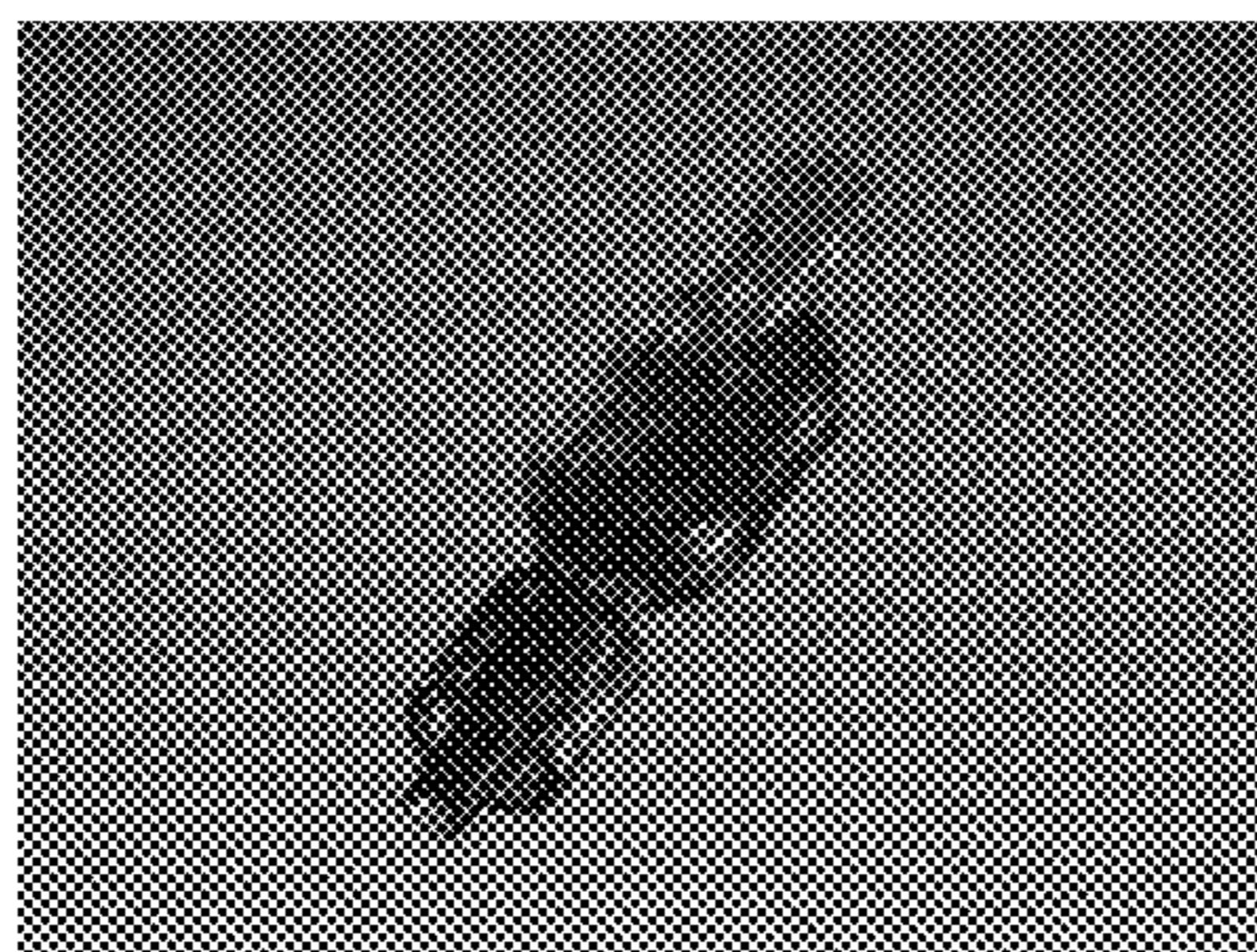
FIG. 9 is a bottom view thereof;

FIG. 10 is a front view thereof;

FIG. 11 is a rear view thereof; and,

FIG. 12 is a first side view thereof, wherein the second side view is a mirror image thereof.

1 Claim, 12 Drawing Sheets
(12 of 12 Drawing Sheet(s) Filed in Color)



US D564,092 S

Page 2

U.S. PATENT DOCUMENTS

2,630,874	A	3/1953	Langdon	
2,758,609	A	8/1956	Dickert et al.	
2,980,032	A	4/1961	Schneider	
3,084,707	A	4/1963	Frye	
3,238,056	A	3/1966	Pall	
3,270,771	A	9/1966	Morgan et al.	
3,599,657	A	8/1971	Maldays	
3,633,605	A	1/1972	Smith	
3,658,183	A	4/1972	Best et al.	
3,779,274	A	12/1973	Kelly	
3,782,083	A	1/1974	Rosenberg	
3,932,153	A	1/1976	Byrns	
3,966,520	A	6/1976	Fallenbeck et al.	
4,022,258	A	5/1977	Steidley	
4,089,349	A	5/1978	Schenk	
4,141,379	A	2/1979	Manske	
4,148,732	A	4/1979	Burrow et al.	
4,181,477	A	1/1980	Litt	
4,188,978	A	2/1980	De Lorenzo	
4,237,880	A	12/1980	Genese	
4,241,756	A	12/1980	Bennett et al.	
4,280,496	A *	7/1981	Van Baelen 604/83	
4,343,305	A	8/1982	Bron	
4,355,639	A	10/1982	Di Salvo	
4,404,006	A	9/1983	Williams et al.	
4,415,003	A	11/1983	Paradis et al.	
4,459,139	A	7/1984	vonReis et al.	
4,534,764	A	8/1985	Mittleman et al.	
4,556,086	A	12/1985	Raines	
4,576,181	A *	3/1986	Wallace et al. 600/488	
4,593,720	A	6/1986	Bergandy	
4,646,781	A	3/1987	McIntyre	
4,664,800	A	5/1987	Raines et al.	
4,670,510	A	6/1987	Kobayashi et al.	
4,712,583	A	12/1987	Pelmulder et al.	
4,729,401	A *	3/1988	Raines 137/512	
4,749,003	A	6/1988	Leason	
4,768,547	A	9/1988	Danby et al.	
4,793,503	A	12/1988	Towns et al.	
4,846,215	A	7/1989	Barree	
4,874,513	A	10/1989	Chakraborty et al.	
4,936,542	A *	6/1990	Beard 251/117	
4,958,661	A	9/1990	Holtermann et al.	
4,966,199	A	10/1990	Ruschke	
4,986,904	A	1/1991	Buger et al.	
5,011,555	A	4/1991	Sager	
5,025,829	A	6/1991	Edwards et al.	
D325,082	S *	3/1992	Lambert D24/111	
5,125,522	A	6/1992	Pezzoli et al.	
5,147,545	A	9/1992	Despard et al.	
5,215,538	A	6/1993	Larkin	
5,230,727	A	7/1993	Pound et al.	
5,265,770	A	11/1993	Matkovich et al.	
5,269,917	A	12/1993	Stankowski	
D355,030	S *	1/1995	Baldwin D24/110.6	
5,443,723	A	8/1995	Stankowski et al.	
5,453,097	A	9/1995	Paradis	
D367,532	S *	2/1996	Sirianne et al. D24/162	
5,500,003	A	3/1996	Guala et al.	
5,520,661	A	5/1996	Lal et al.	
5,603,792	A	2/1997	Guala et al.	
5,617,897	A	4/1997	Myers	
5,749,861	A	5/1998	Guala et al.	
5,771,935	A	6/1998	Myers	
5,782,383	A	7/1998	Robinson	
5,935,100	A	8/1999	Myers	
6,086,762	A	7/2000	Guala	
6,168,653	B1	1/2001	Myers	
D447,688	S *	9/2001	Jalet et al. D9/425	
6,290,682	B1	9/2001	Myers	

D473,647	S *	4/2003	Francavilla et al. D24/129
D474,839	S *	5/2003	Francavilla et al. D24/129
6,579,342	B2	6/2003	Wang
6,708,714	B1	3/2004	Mijers
2004/0074925	A1	4/2004	Michel
2004/0153047	A1	8/2004	Blank et al.

FOREIGN PATENT DOCUMENTS

DE	667 675	4/1934
DE	GM 1 695 553	3/1953
DE	GM 1 675 370	2/1954
DE	2 502 673 A1	7/1976
DE	25 13 350 A1	10/1976
DE	27 13 618 C2	10/1977
DE	29 19 343 A1	11/1980
DE	30 35 301 A1	4/1981
DE	29 49 262 A1	6/1981
DE	GM 82 14 927.5	9/1982
DE	32 15 329 A1	12/1982
DE	GM 86 03 917 U1	5/1986
DE	36 32 412 A1	3/1988
DE	38 03 380	8/1989
DE	40 39 814 A1	6/1992
DE	GM 92 09 491.0	10/1992
DE	41 42 494 A1	7/1993
DE	42 01 258 A1	7/1993
DE	GM 93 19 810.8 U1	3/1994
DE	43 09 262 A1	6/1994
DE	43 04 949 A1	8/1994
DE	GM 93 10 673.4	9/1994
DE	43 15 701 A1	11/1994
DE	29 501 239	4/1995
DE	691 09 240 T2	10/1995
DE	196 05 217	2/1996
DE	GM 296 10 419.1	12/1996
DE	195 45 421 A1	6/1997
DE	196 43 360 C1	5/1998
DE	197 49 562 C1	4/1999
DE	102 19 994 A1	12/2003
DE	20 2004 009 831 U1	8/2004
DE	20 2004 009 521 U1	10/2004
EP	0 072 800 B1	3/1983
EP	0 379 047 A	7/1990
EP	0 459 498 A1	12/1991
EP	0 562 246 A1	9/1993
EP	0 612 537 A2	8/1994
EP	0 612 537 A3	8/1994
EP	0 652 018 B1	10/1996
EP	0 812 596 A1	12/1997
EP	0 878 628 A2	11/1998
EP	0 887 085 A2	12/1998
EP	0 934 757 A2	8/1999
EP	1 063 956 B1	1/2001
EP	1 088 765 A	4/2001
FR	2 666 745 A	3/1992
GB	439 278 A	12/1935
GB	811 818	4/1959
GB	2 027 168 A	2/1980
WO	WO88/02639	4/1988
WO	WO89/02764	4/1989
WO	WO91/11641	8/1991
WO	WO93/10015 A	5/1993
WO	WO96/03166	2/1996
WO	WO97/03712	2/1997
WO	WO97/47339	12/1997

OTHER PUBLICATIONS

Christians, Rolf, "Membranen inder Pneumatik," *Fluid*, pp. 39-46 (Apr. 1980).

* cited by examiner

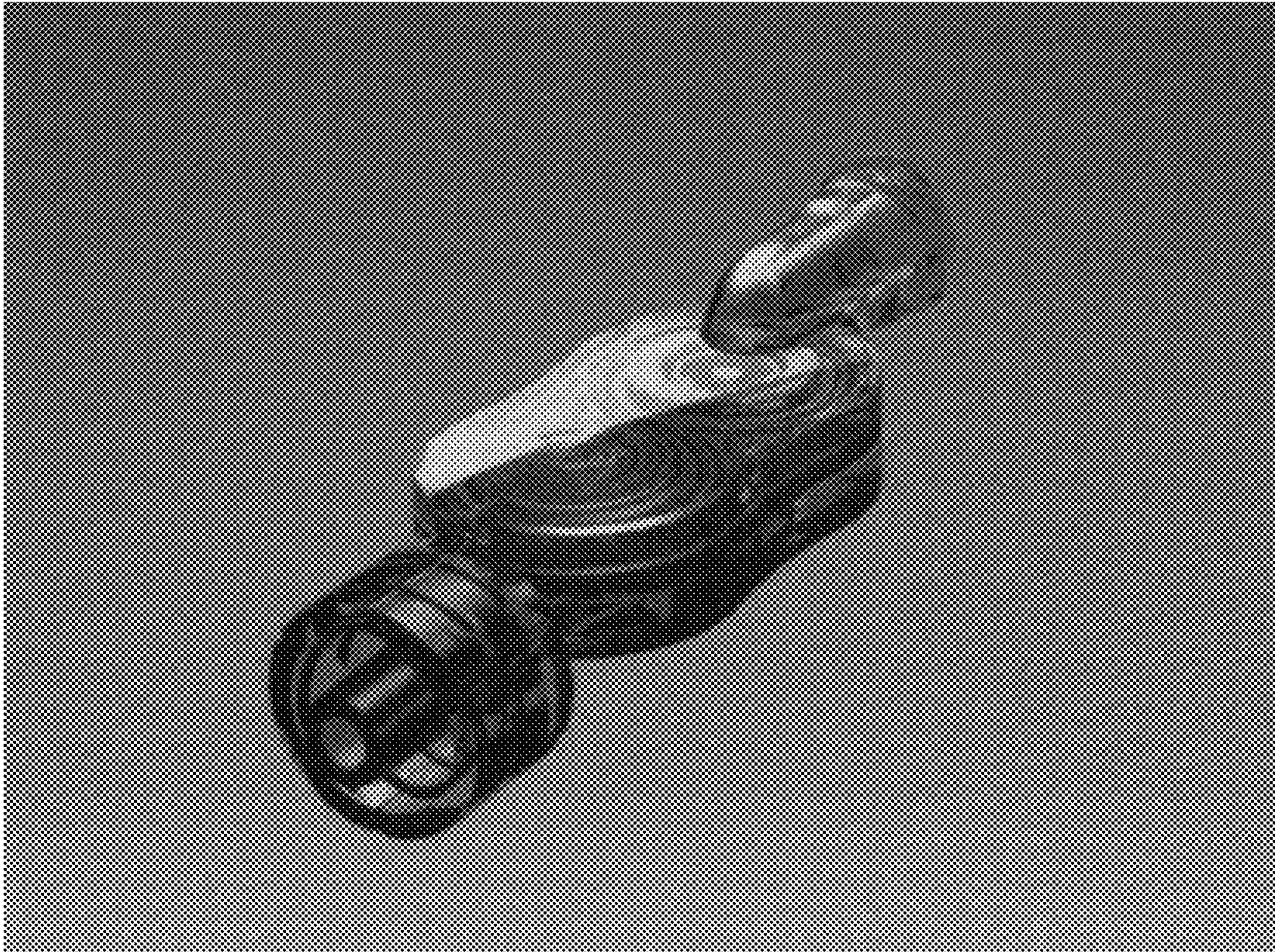


FIG. 1

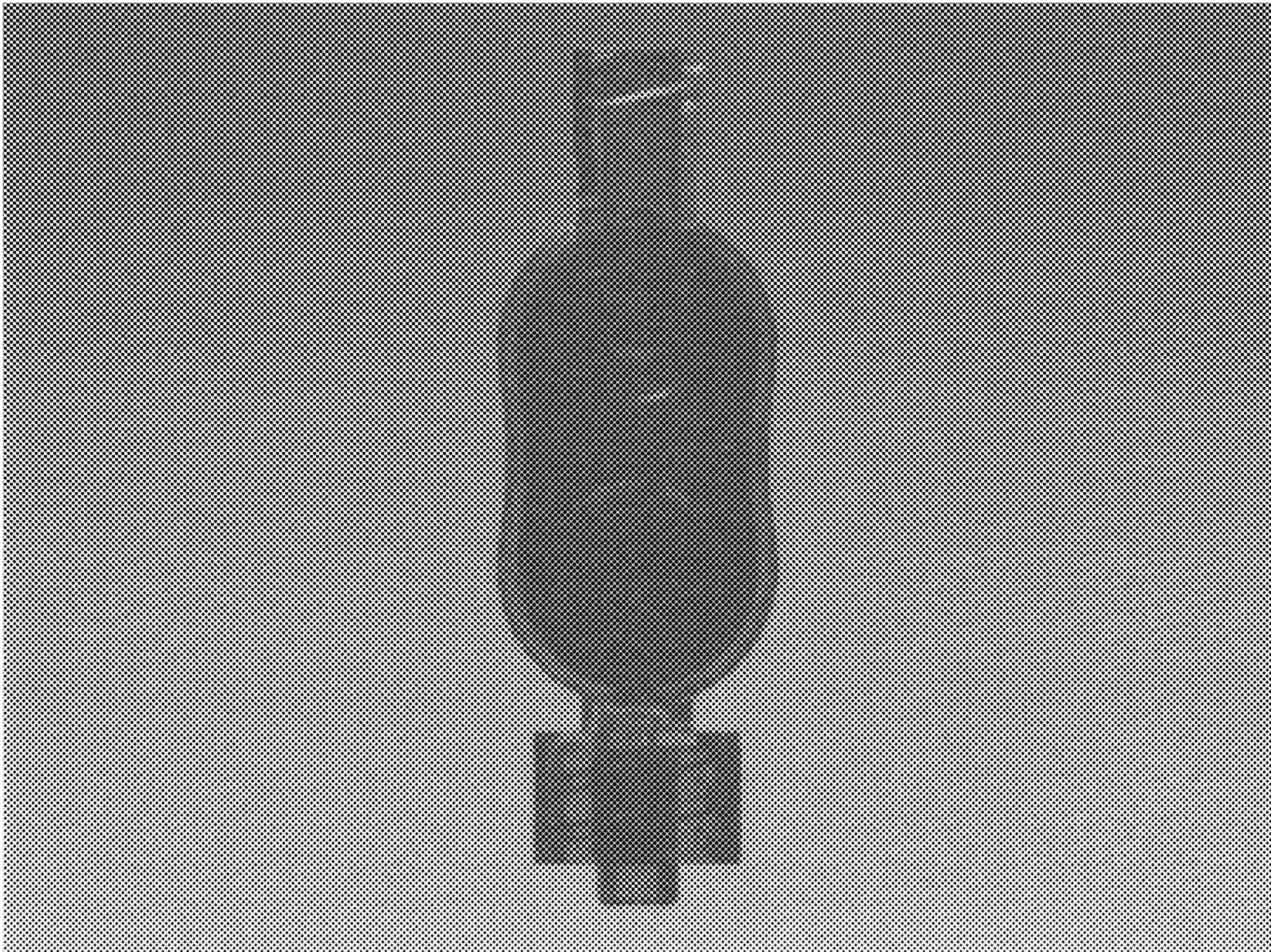


FIG. 2

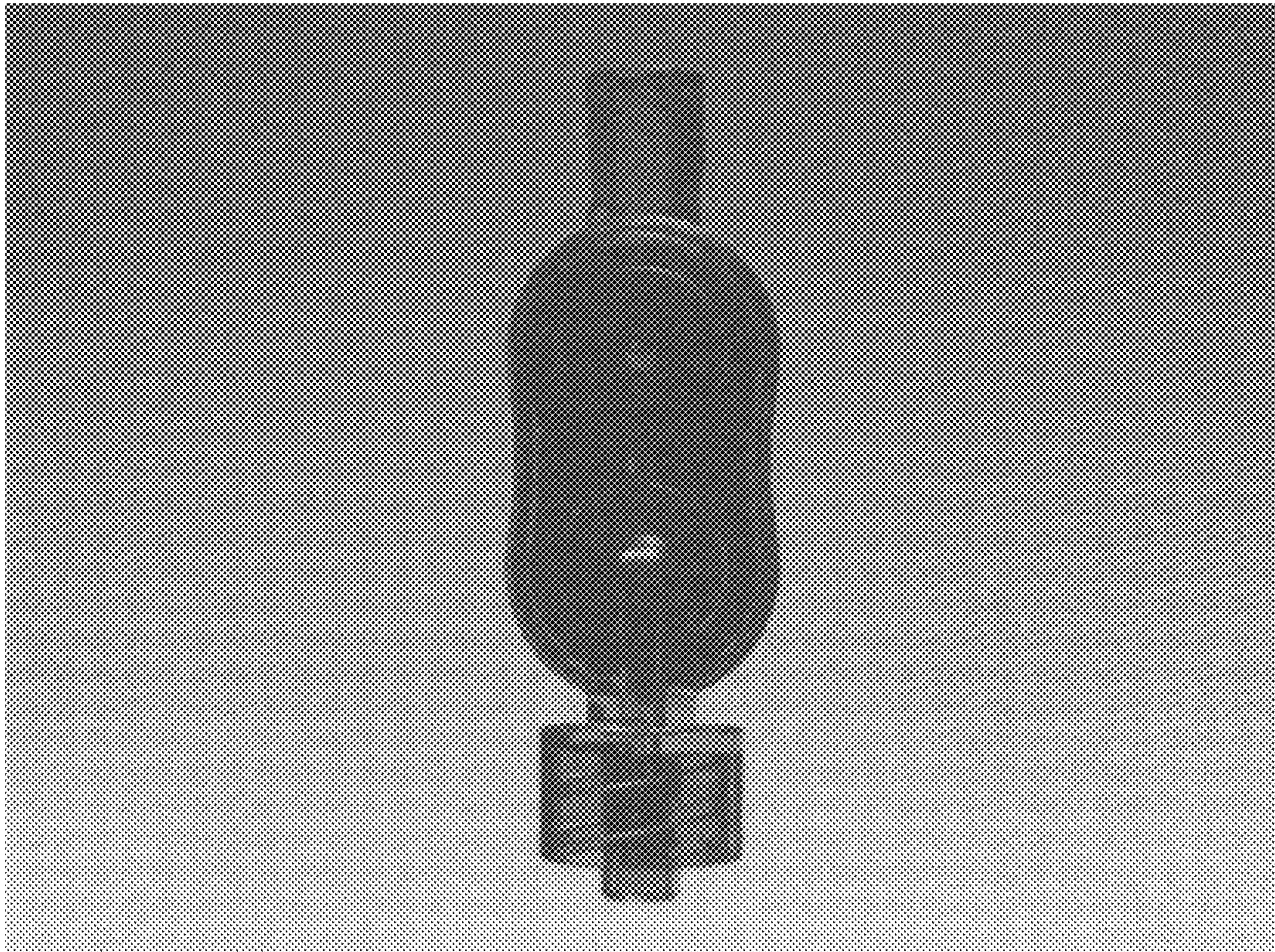


FIG. 3

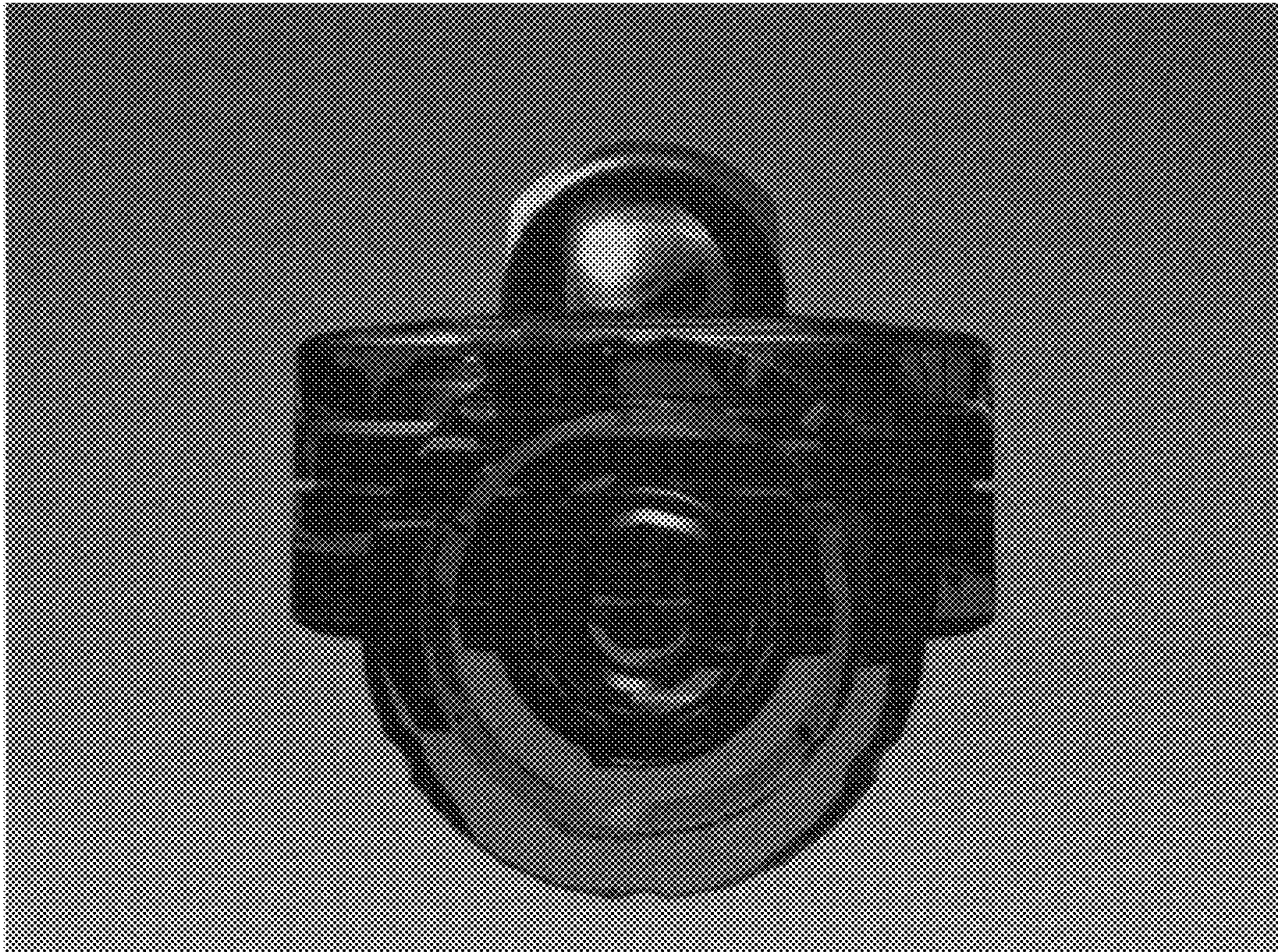


FIG. 4

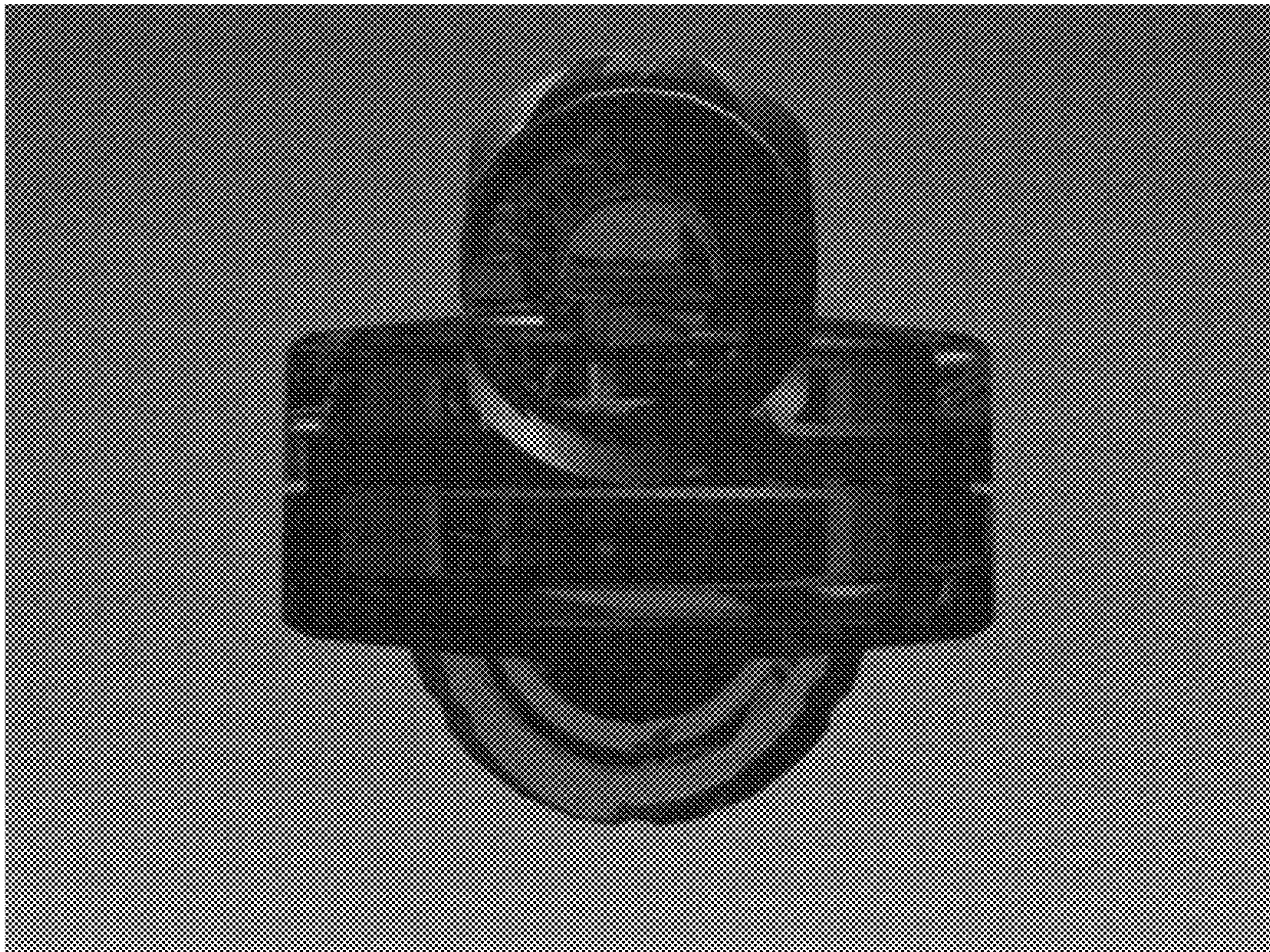


FIG. 5

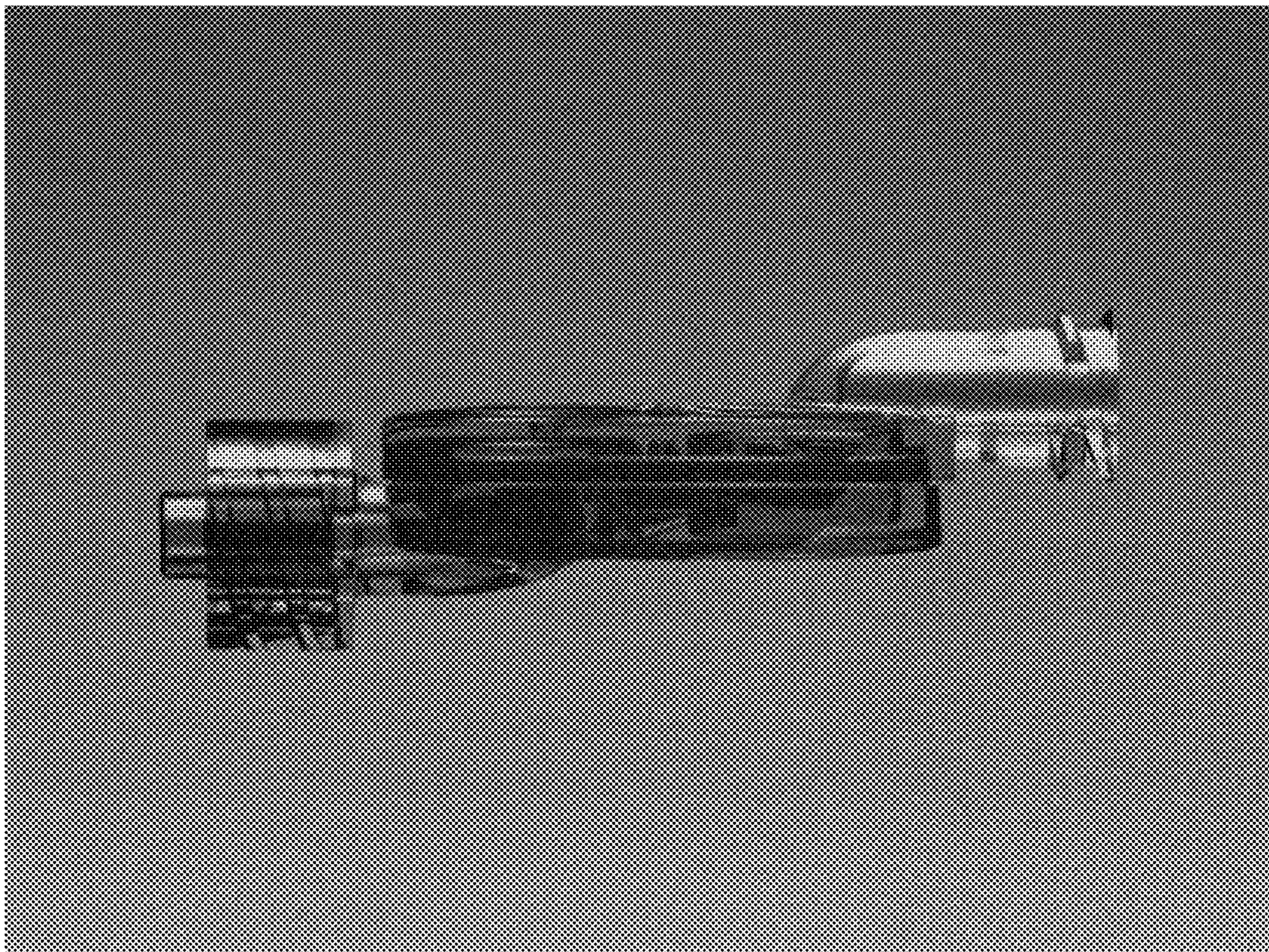


FIG. 6

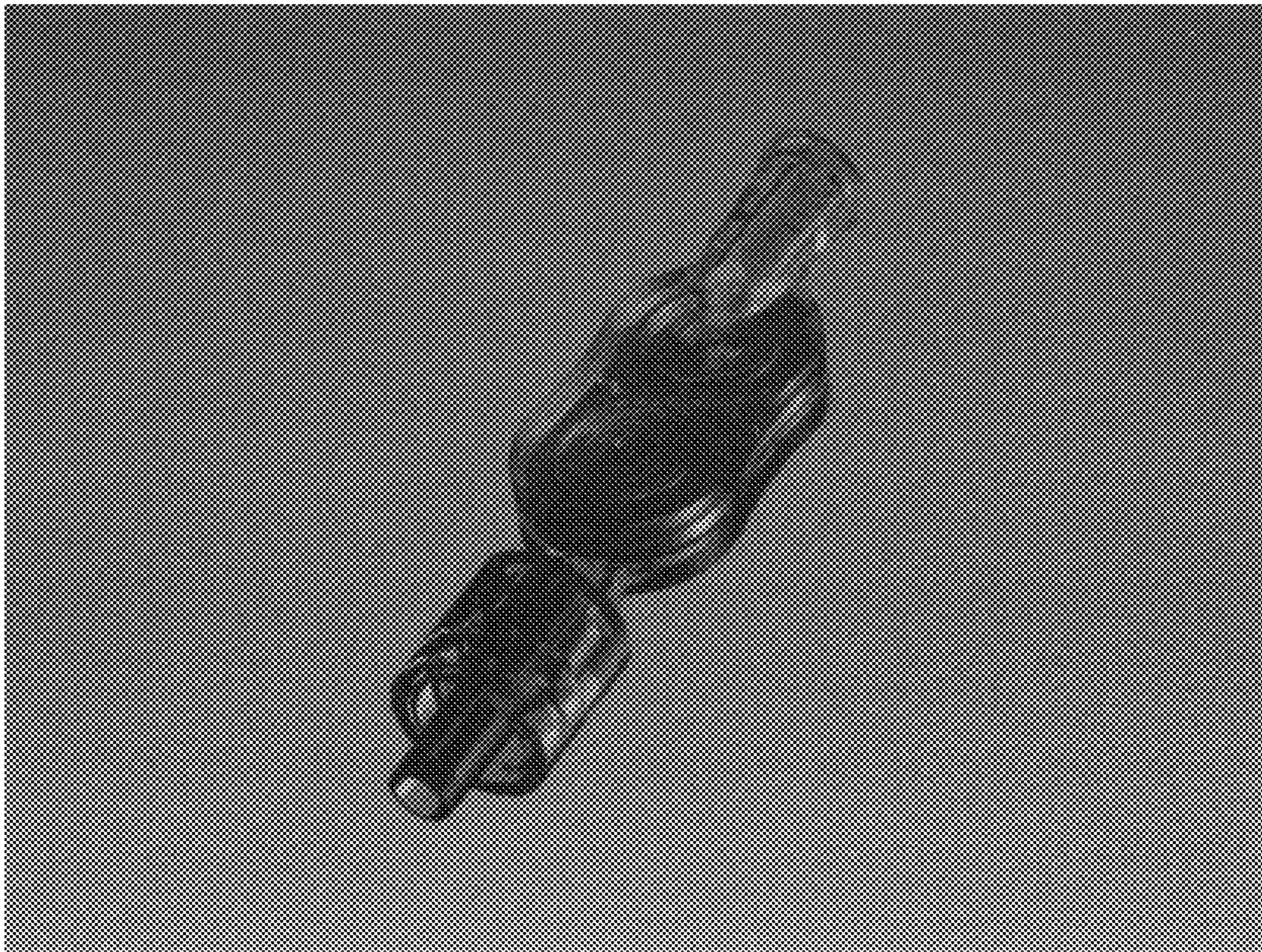


FIG. 7

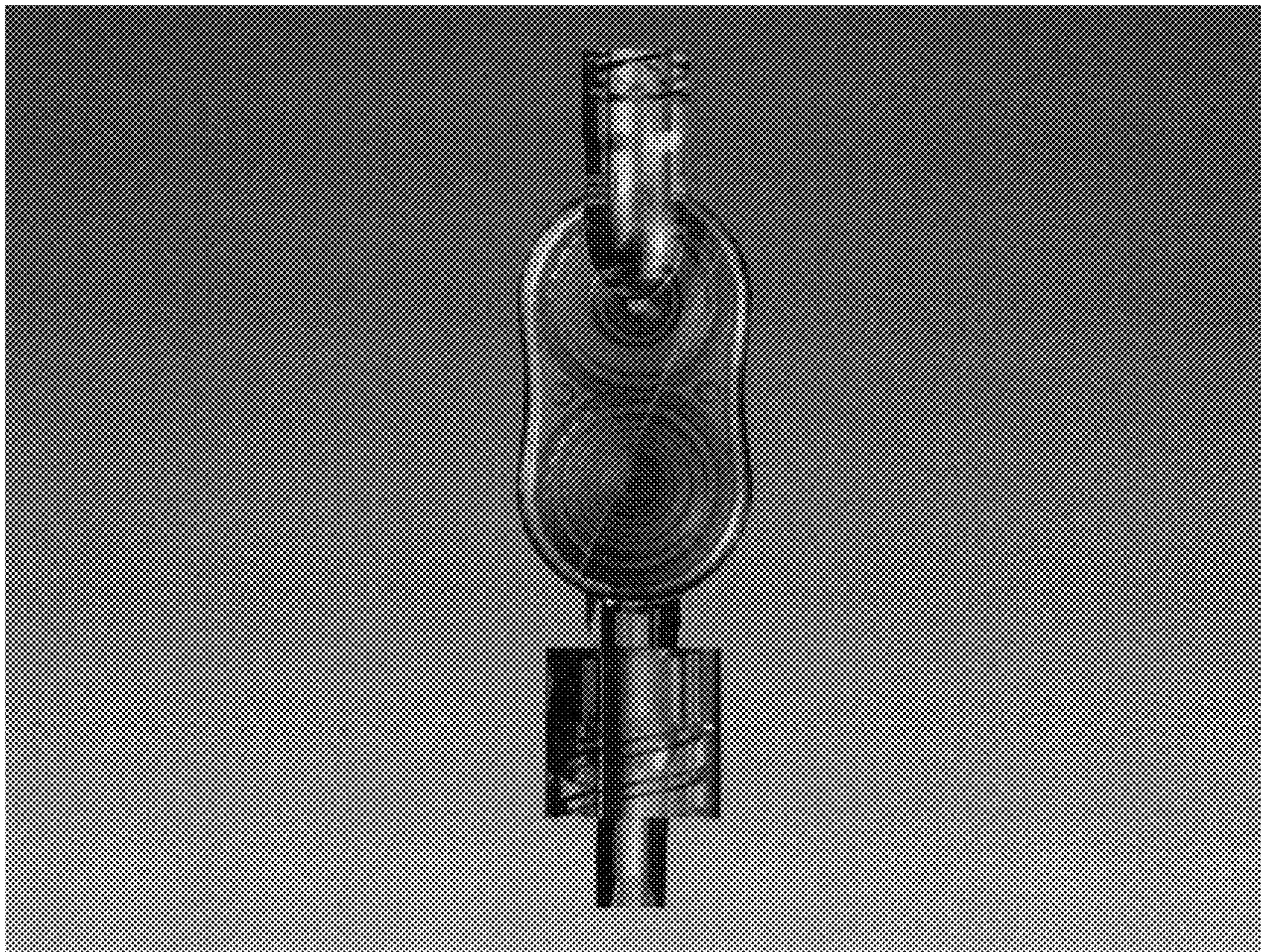


FIG. 8

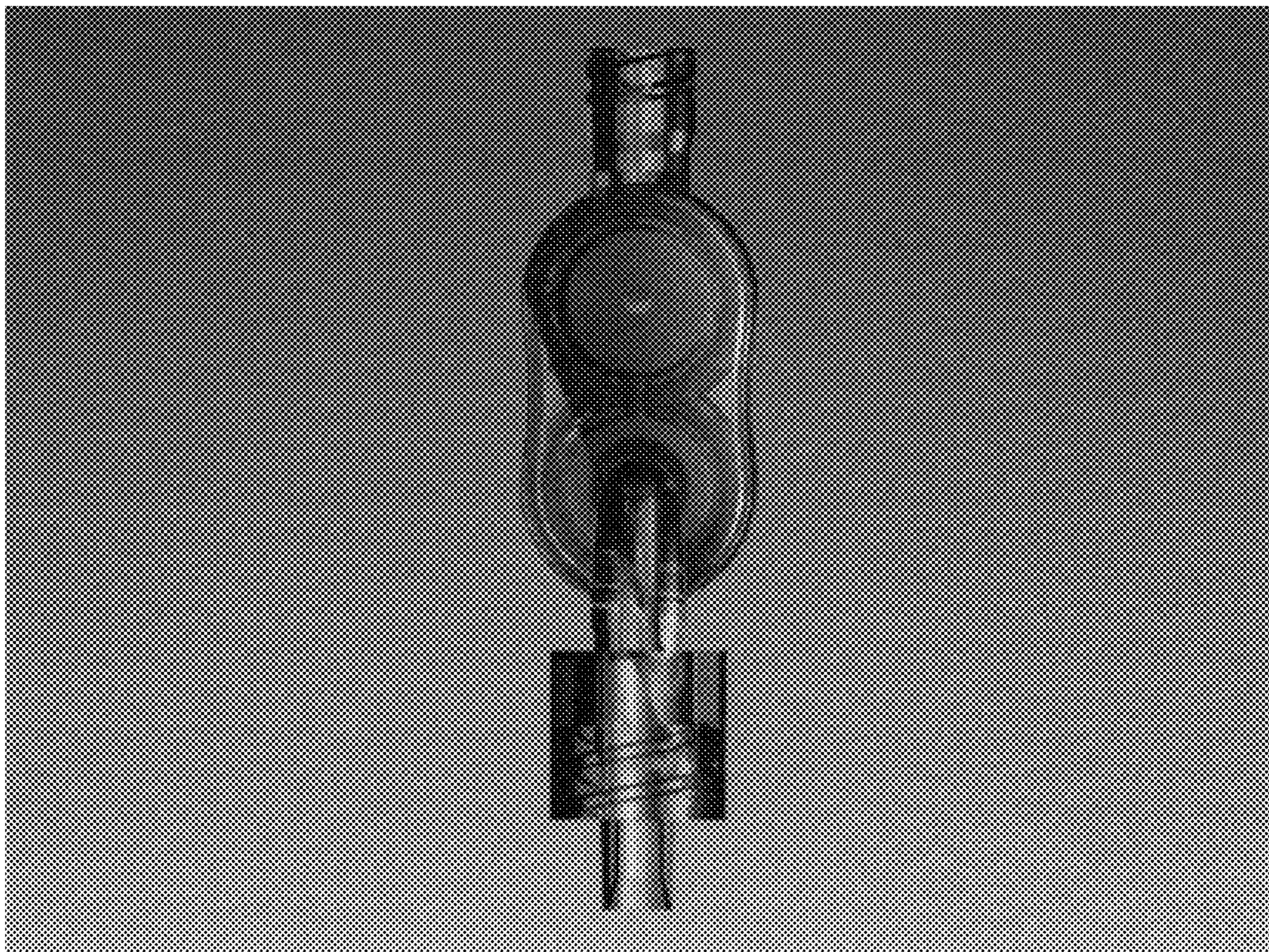


FIG. 9

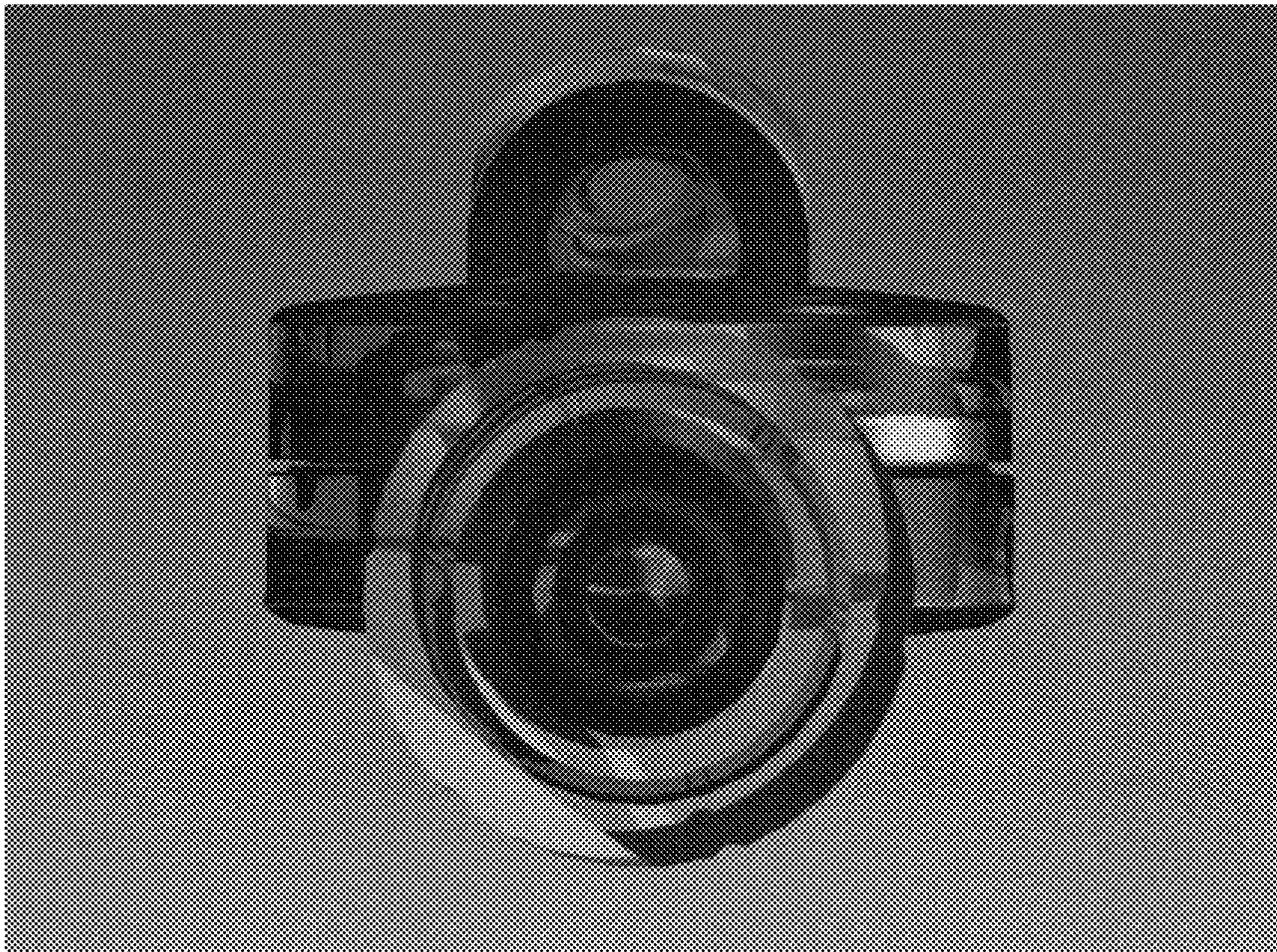


FIG. 10

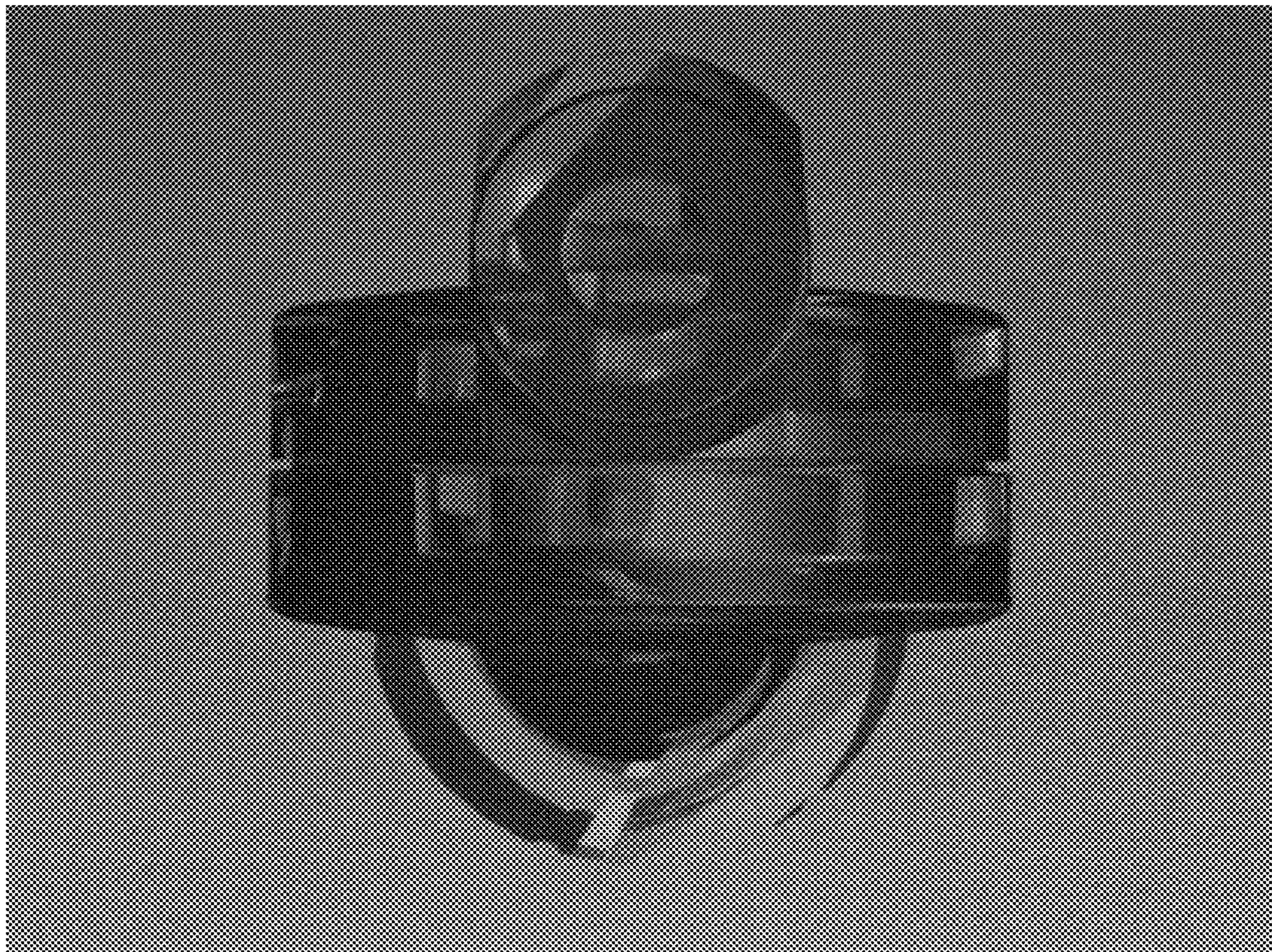


FIG. 11

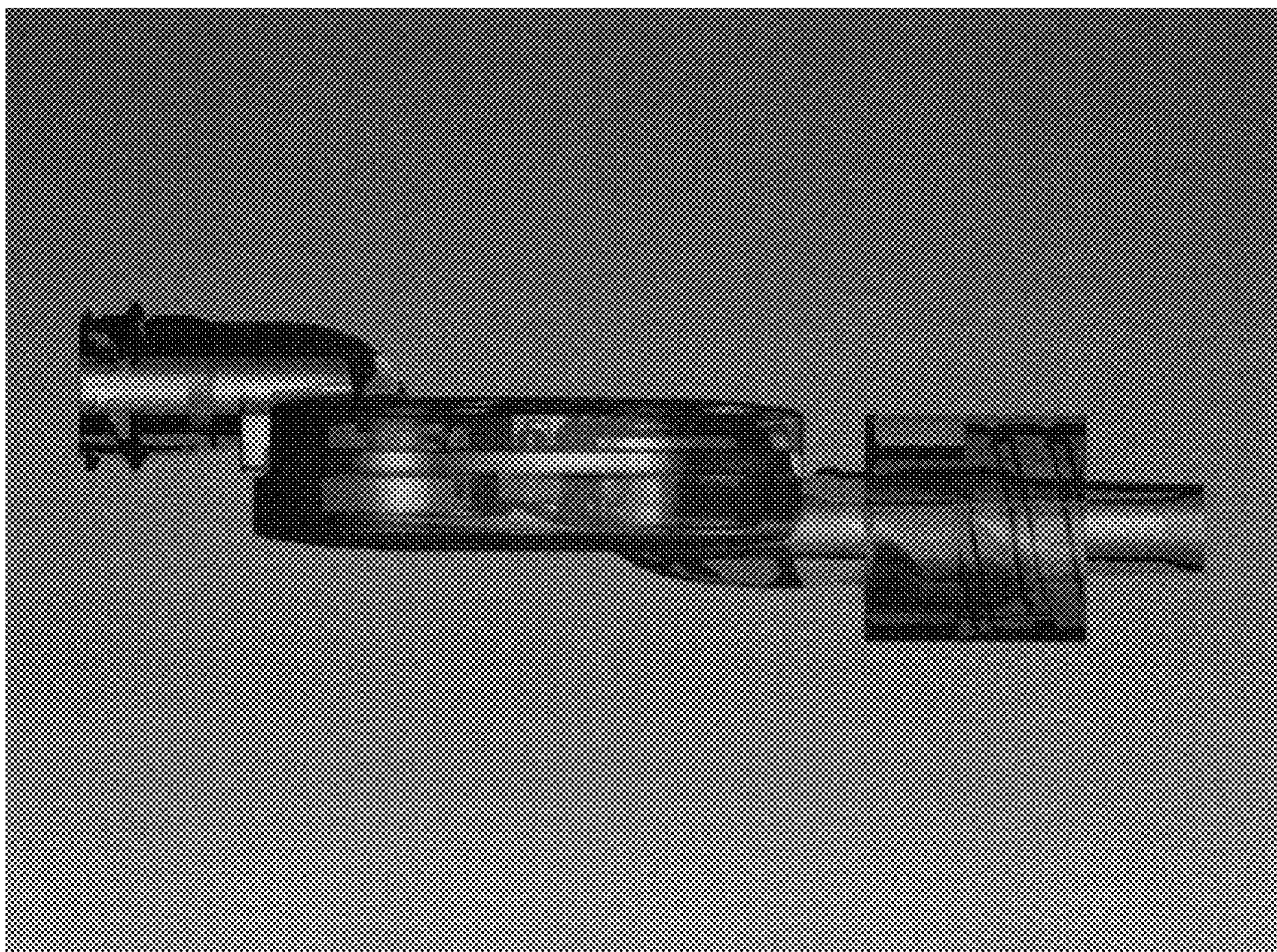


FIG. 12