



US00D525272S

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

(10) **Patent No.:** **US D525,272 S**
(45) **Date of Patent:** **** Jul. 18, 2006**

- (54) **ROTARY IMPACT DRILL BIT**
- (75) Inventor: **Helmut Duscha**, Ravensburg (DE)
- (73) Assignee: **Robert Bosch GmbH**,
Stuttgart-Feuerbach (DE)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/208,036**
- (22) Filed: **Jun. 23, 2004**
- (30) **Foreign Application Priority Data**
Dec. 24, 2003 (DE) 403 08 156
- (51) **LOC (8) Cl.** **15-09**
- (52) **U.S. Cl.** **D15/139**
- (58) **Field of Classification Search** D15/139;
175/39-40, 57, 93, 296, 393, 395, 401, 415,
175/417
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,210,215	A *	7/1980	Peetz et al.	175/394
4,262,762	A *	4/1981	Potratz	175/401
4,765,419	A *	8/1988	Scholz et al.	175/415
5,492,187	A *	2/1996	Neukirchen et al.	175/394
5,685,381	A *	11/1997	Kloppers et al.	175/343
5,779,403	A *	7/1998	Kleine et al.	408/230
5,803,187	A *	9/1998	Javins	175/57
D415,774	S *	10/1999	Wakai	D15/139
5,996,714	A *	12/1999	Massa et al.	175/413
6,431,294	B1 *	8/2002	Eddison et al.	175/415
6,464,023	B1 *	10/2002	Patterson	175/93
6,619,411	B1 *	9/2003	Singh et al.	175/57

6,655,479 B1 * 12/2003 Kleine et al. 175/394

* cited by examiner

Primary Examiner—Antoine D. Davis

(74) *Attorney, Agent, or Firm*—Burr & Brown

(57) **CLAIM**

The ornamental design for a rotary impact drill bit, as shown and described.

DESCRIPTION

The file of this patent contains a 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 front view of a rotary impact drill bit illustrating my new Design;

FIG. 2 is a left side view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

FIG. 7 is an enlarged view of the upper portion of the drill bit shown in FIGS. 1-6, taken from a direction between the front and left side views;

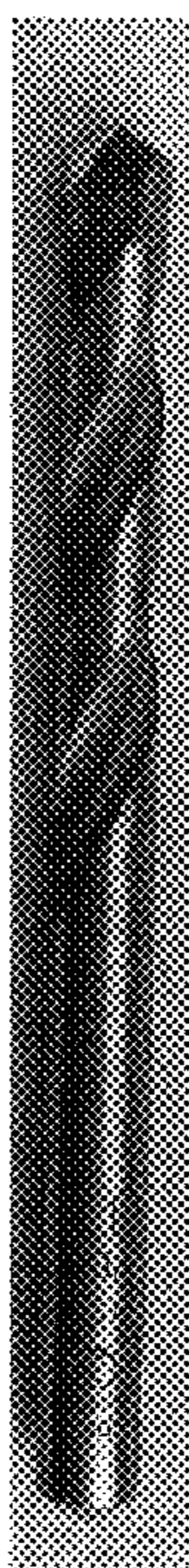
FIG. 8 is an enlarged rear view of the upper portion of the drill bit shown in FIGS. 1-6; and,

FIG. 9 is an enlarged top and rear perspective view of the upper portion of the drill bit shown in FIGS. 1-6.

I consider the blue-colored helix as one of the ornamental features of my new Design.

1 Claim, 4 Drawing Sheets

(4 of 4 Drawing Sheet(s) Filed in Color)



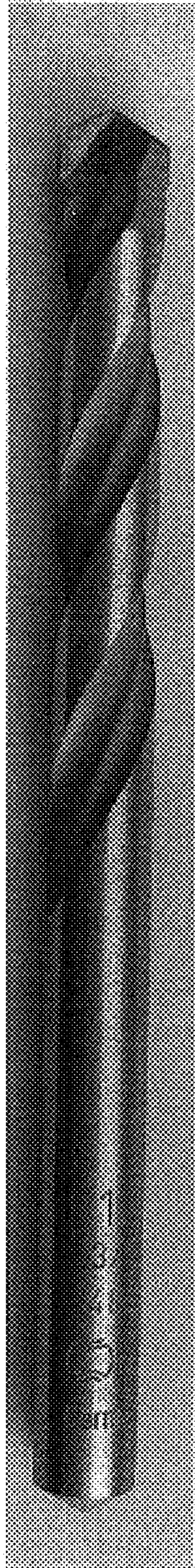


FIG. 1

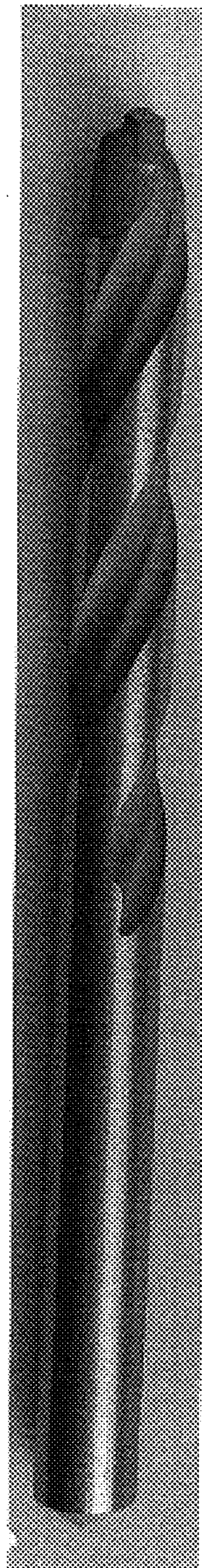


FIG. 2

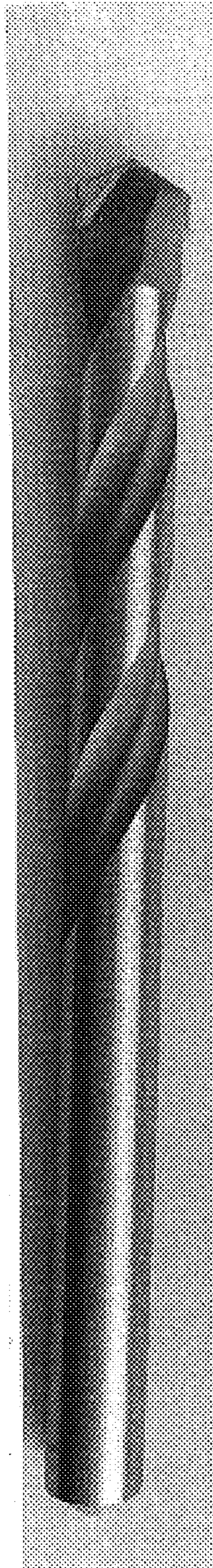


FIG. 3

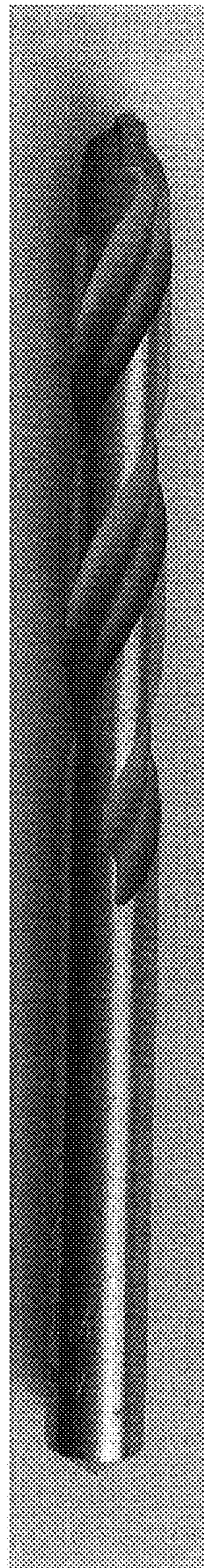


FIG. 4

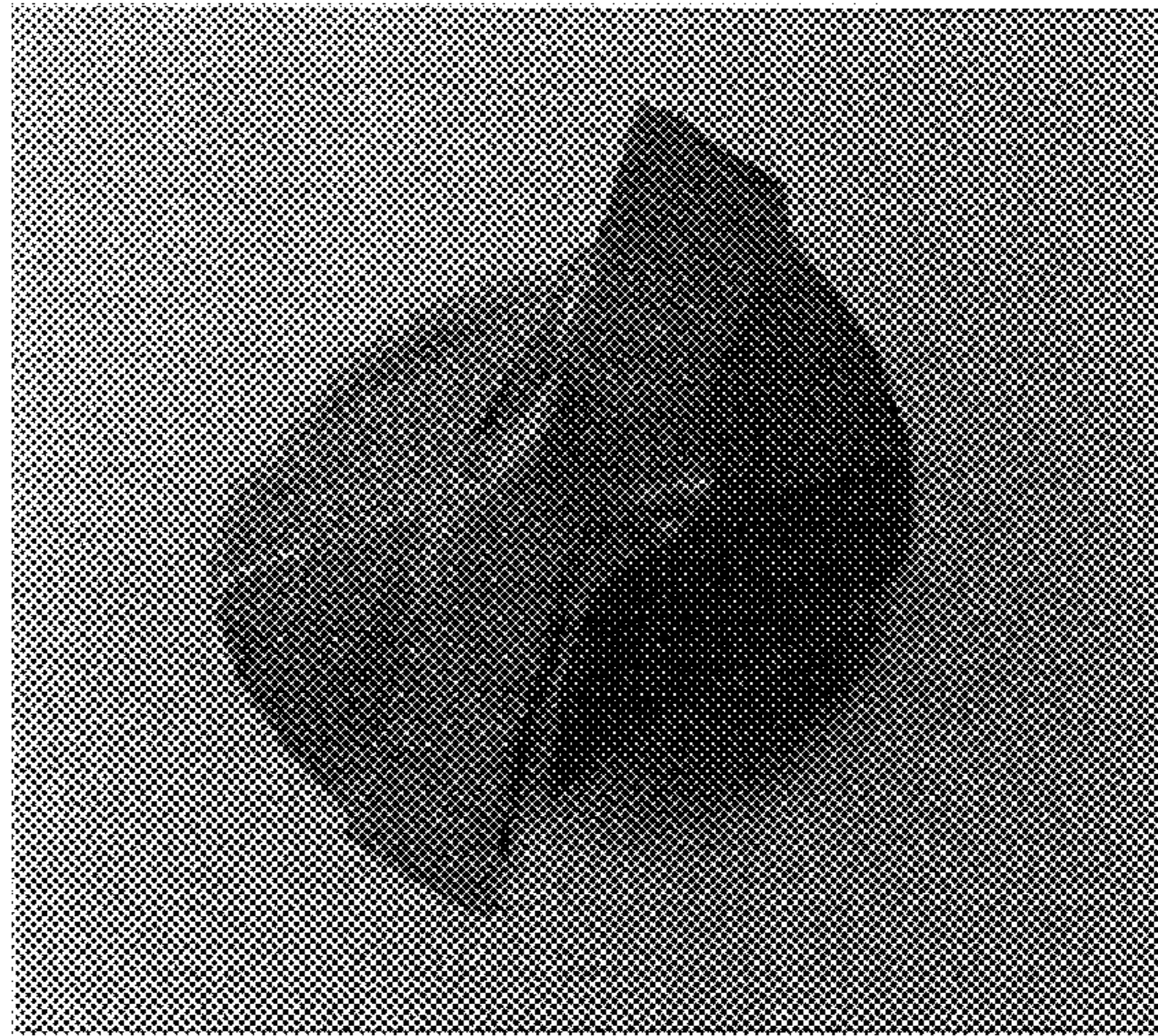


FIG. 5

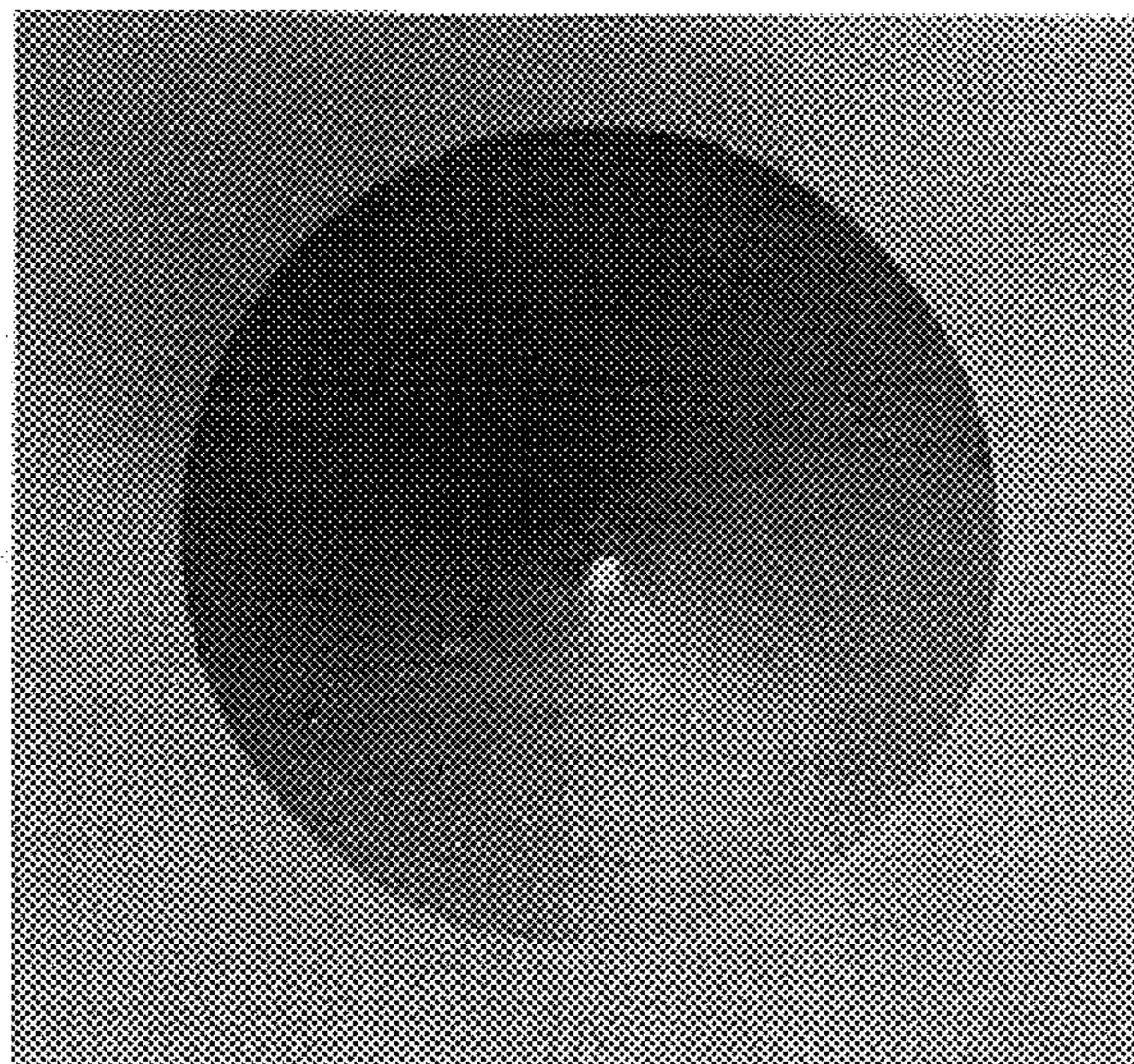


FIG. 6

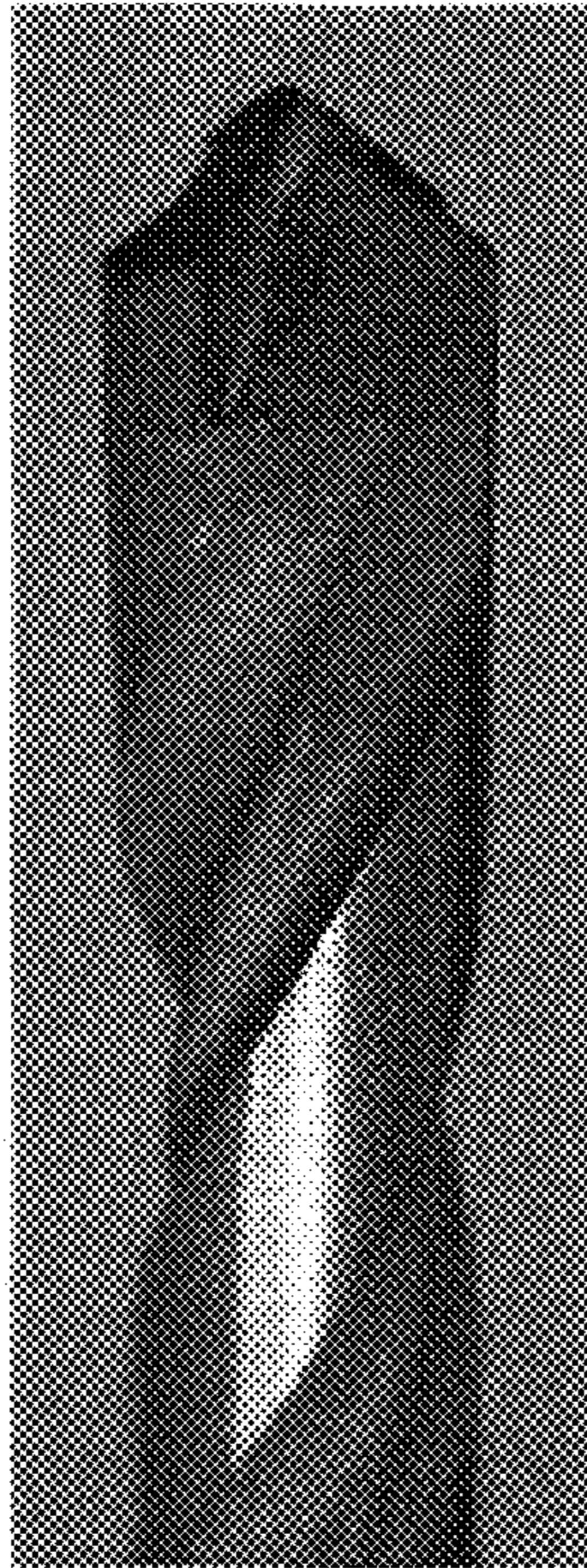


FIG. 7

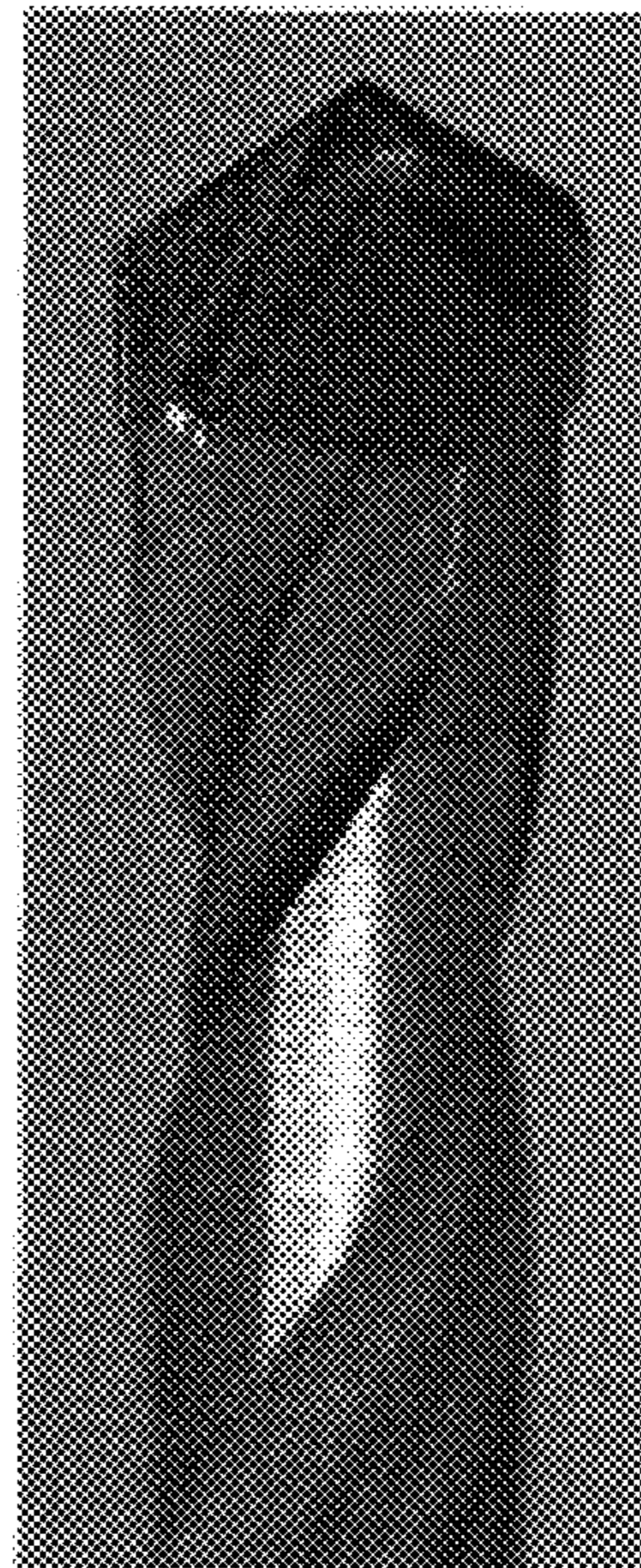


FIG. 8

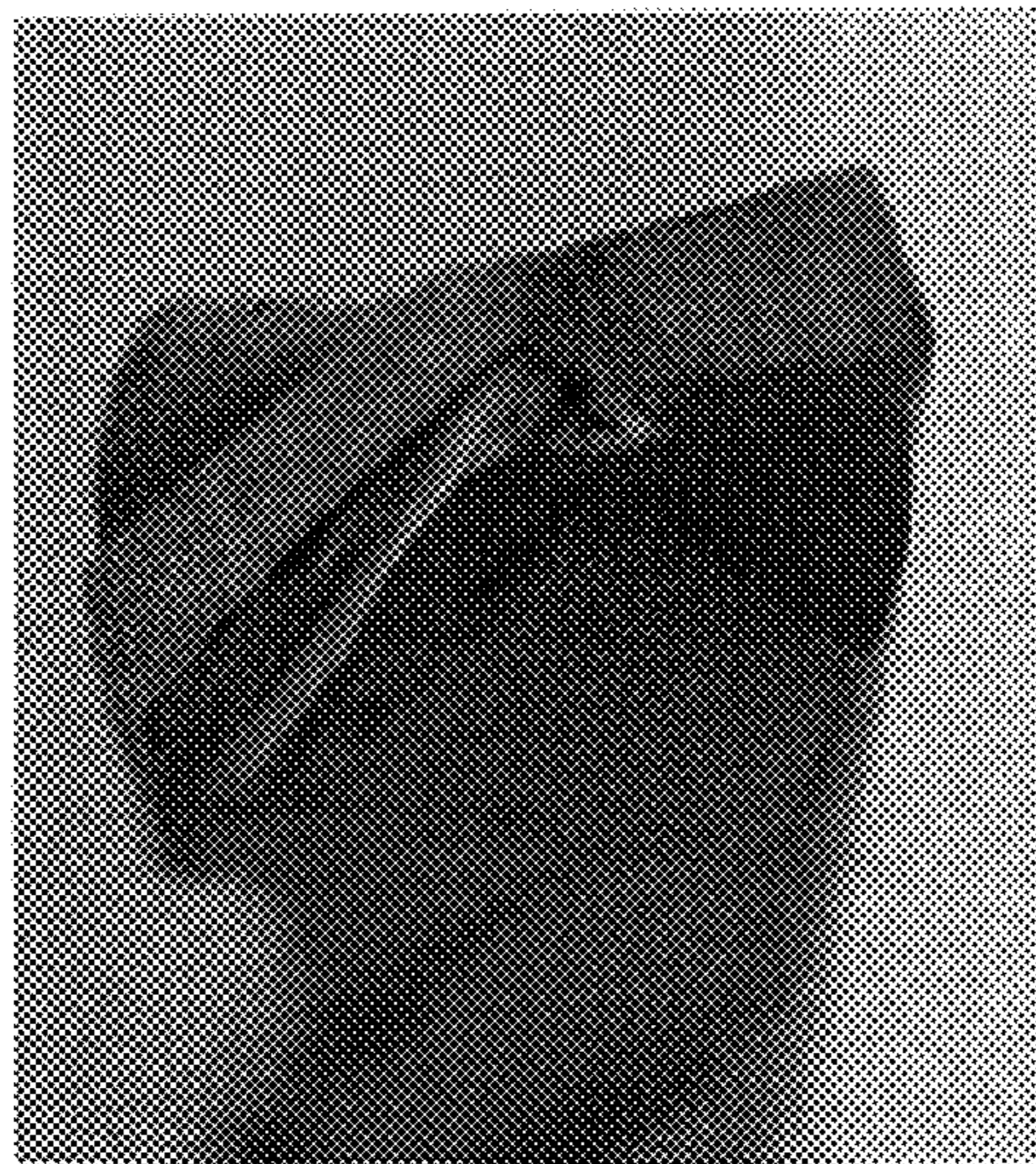


FIG. 9