



US00D811612S

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

(10) **Patent No.:** **US D811,612 S**
(45) **Date of Patent:** **** Feb. 27, 2018**

- (54) **KNEE SUPPORTER**
- (71) Applicant: **mitsui chemicals, inc.**, Tokyo (JP)
- (72) Inventors: **Kenji Iida**, Sodegaura (JP); **Motoyasu Yasui**, Sodegaura (JP); **Kazuoki Nakai**, Sodeguara (JP); **Tomoaki Ito**, Sodegaura (JP); **Shiori Hanada**, Sodegaura (JP); **Fumiaki Saikawa**, Asikita-gun (JP)
- (73) Assignee: **mitsui chemicals, inc.**, Tokyo (JP)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/553,960**
- (22) Filed: **Feb. 5, 2016**
- (30) **Foreign Application Priority Data**

Oct. 9, 2015 (JP) 2015-022410

- (51) **LOC (11) Cl.** **24-01**
- (52) **U.S. Cl.**
USPC **D24/190**
- (58) **Field of Classification Search**
USPC D24/188-192; D29/120.1, 121.1
CPC A61F 5/0109; A61F 2005/0176; A61F 5/0106; A61F 5/0123; A61F 13/101; A61F 5/0118; A61F 13/08; A61F 13/06; A61F 5/0125; A41D 13/065; A41D 13/08; A41D 13/0568
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,258,052 A * 3/1918 Stall A61F 13/08
473/214

6,592,539 B1 *	7/2003	Einarsson	.....	A61F 5/0109 602/26
D577,829 S *	9/2008	Reinhardt	.....	D24/190
D580,554 S *	11/2008	Lin	.....	D24/190
D623,757 S *	9/2010	Chiang	.....	D24/190
D630,333 S *	1/2011	Chiang	.....	D24/190
D707,361 S *	6/2014	Banks	.....	D24/190
D726,327 S *	4/2015	Tanaka	.....	D24/190
D728,112 S *	4/2015	Higgins	.....	D24/190
2006/0094999 A1 *	5/2006	Cropper	.....	A61F 5/0109 602/60
2012/0277649 A1 *	11/2012	Matsuo	.....	A41D 13/065 602/63
2012/0289875 A1 *	11/2012	Matsuo	.....	A41D 13/08 602/20
2012/0310129 A1 *	12/2012	Johnson	.....	A61F 5/0118 602/20

* cited by examiner

Primary Examiner — George D. Kirschbaum

Assistant Examiner — Jennifer L Watkins

(74) *Attorney, Agent, or Firm* — Oliff PLC

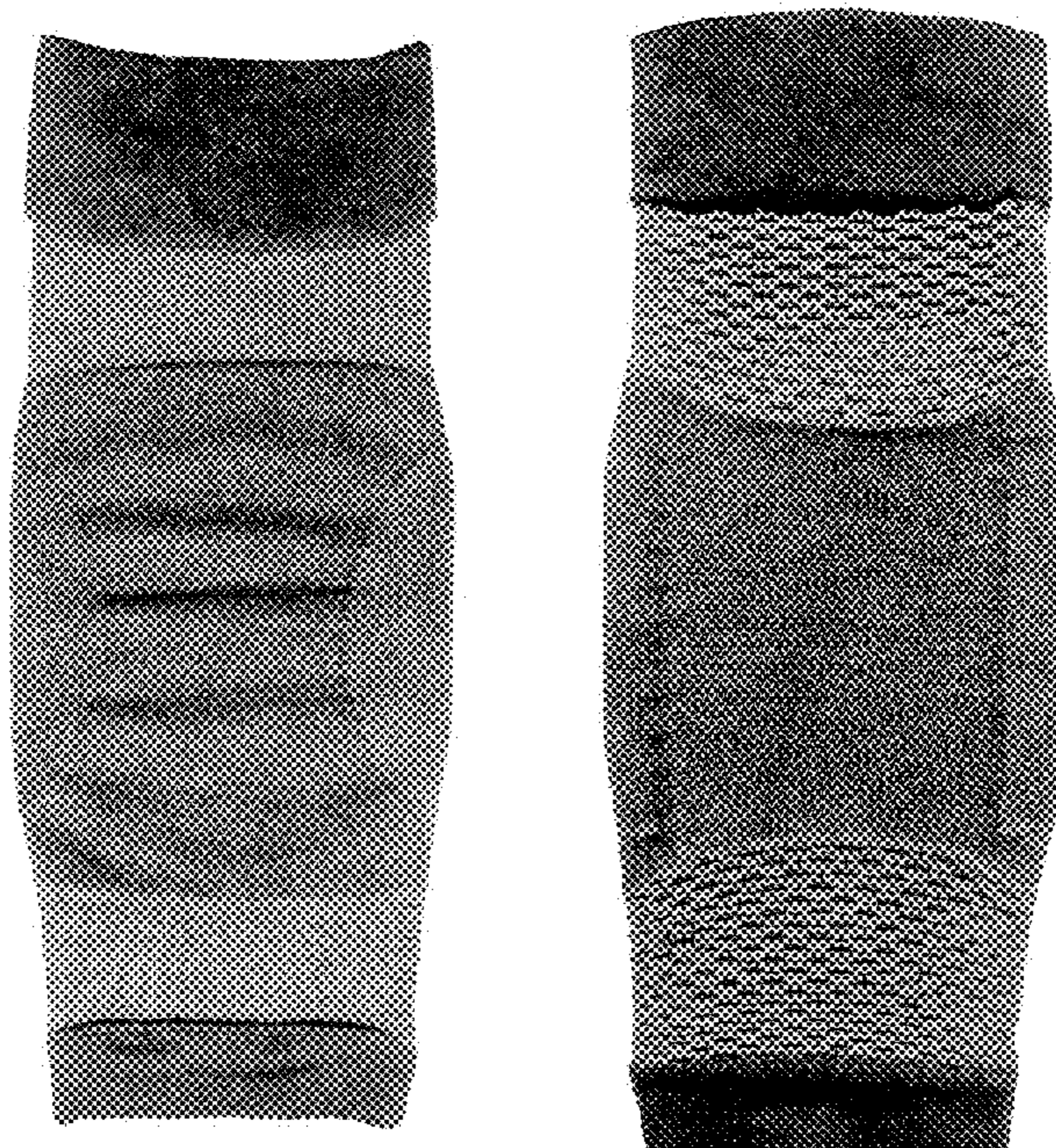
(57) **CLAIM**

The ornamental design for a knee supporter, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of the knee supporter; FIG. 2 is a rear elevational view thereof; FIG. 3 is a top plan view thereof; FIG. 4 is a bottom plan view thereof; FIG. 5 is a right-side elevational view thereof; and, FIG. 6 is a left-side elevational view thereof.

1 Claim, 4 Drawing Sheets



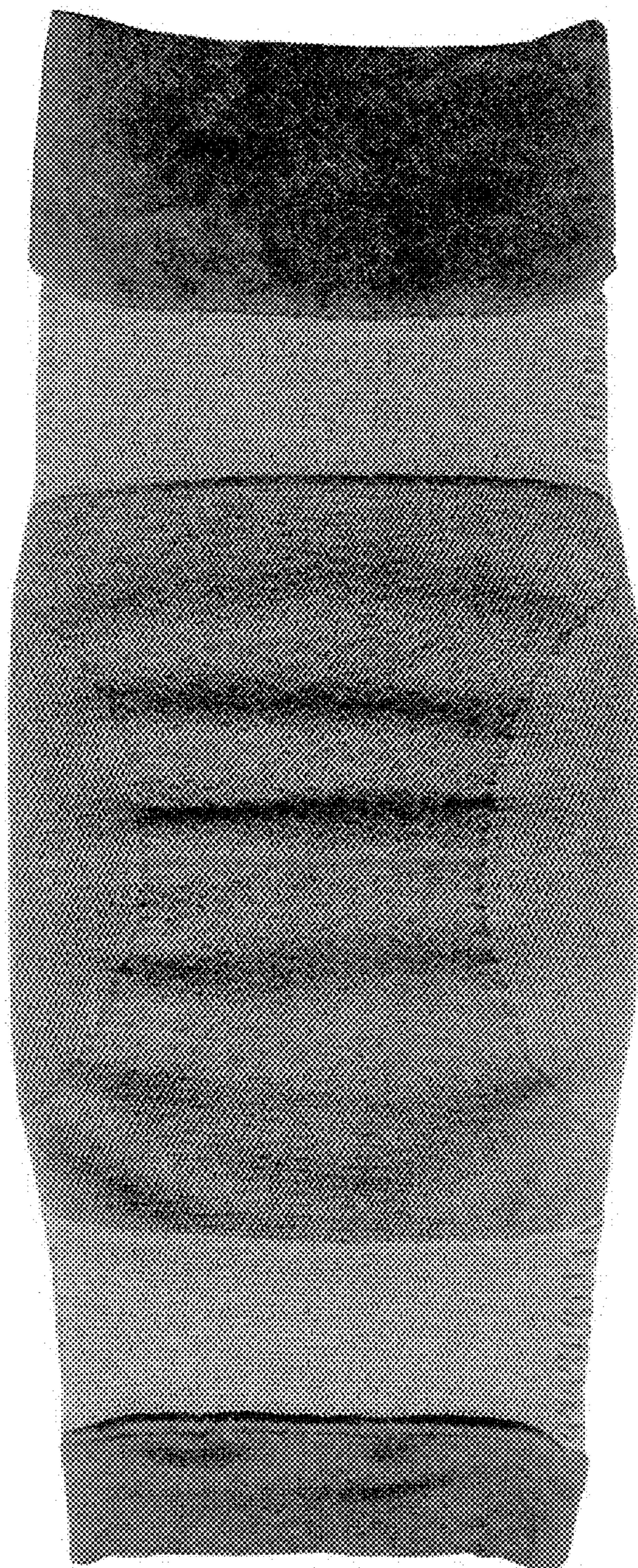


FIG. 1

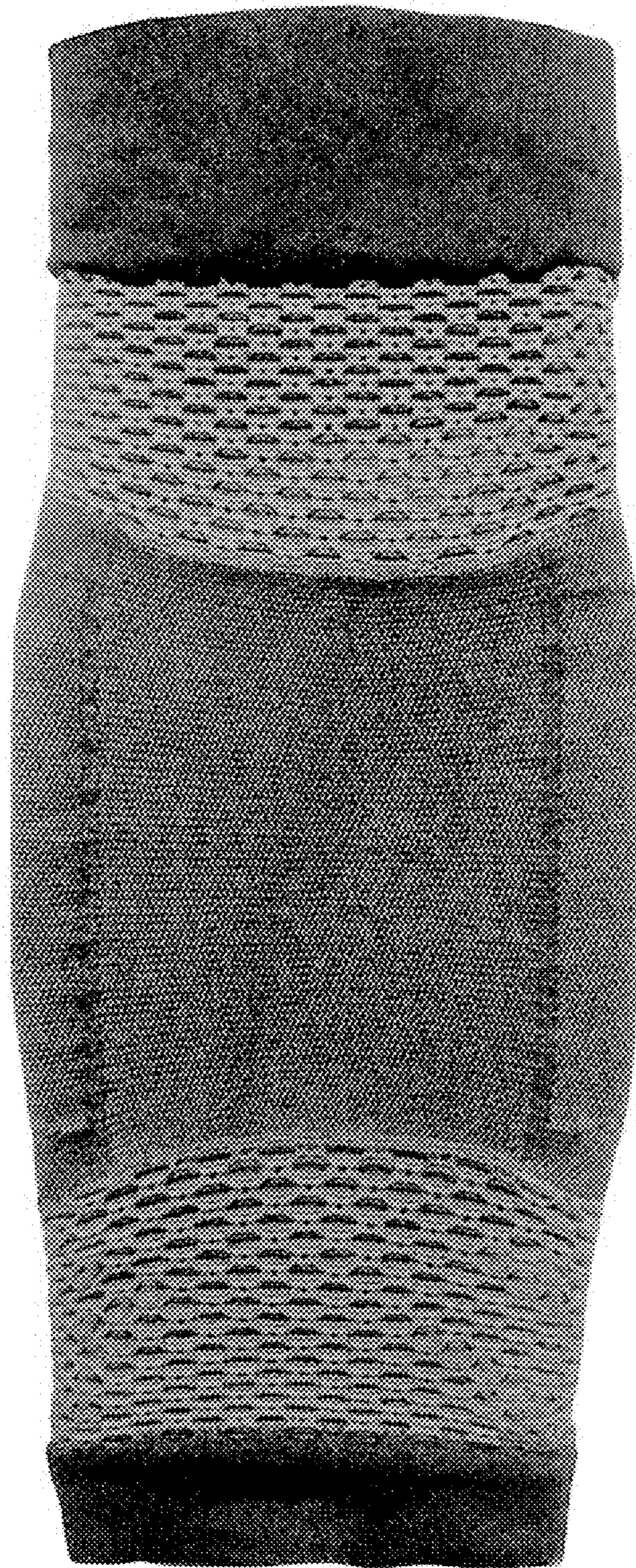


FIG. 2

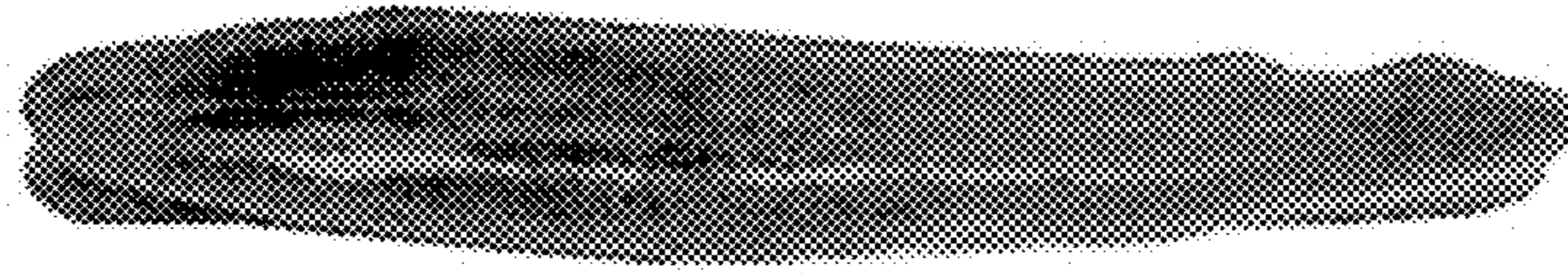


FIG. 3

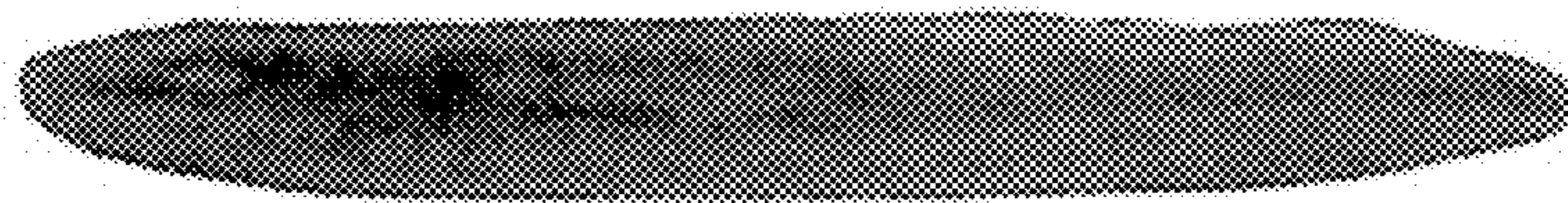


FIG. 4

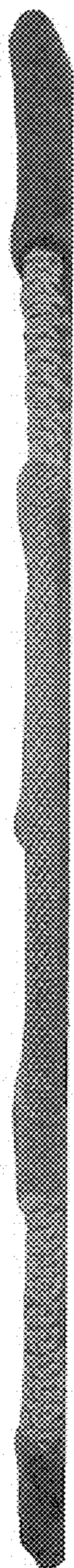


FIG. 5

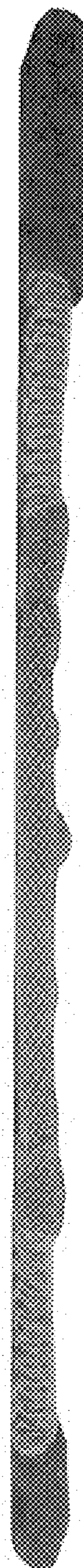


FIG. 6