

US00D509929S

(12) **United States Design Patent** (10) **Patent No.:** **US D509,929 S**
Rutkowski et al. (45) **Date of Patent:** **** Sep. 20, 2005**

(54) **DRAIN CLEANER**

(75) Inventors: **Michael J. Rutkowski**, Brunswick, OH (US); **Jon R. Dunkin**, Elyria, OH (US)

(73) Assignee: **Emerson Electric Co.**, St. Louis, MO (US)

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

(21) Appl. No.: **29/210,971**

(22) Filed: **Aug. 10, 2004**

(51) **LOC (8) Cl.** **15-05**

(52) **U.S. Cl.** **D32/14**

(58) **Field of Search** D32/14, 25; 4/255.01;
137/15.07; 134/168 R, 168 C, 167 C, 166 C;
15/104.05, 104.062, 104.31

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,297,755	A	10/1942	Faust	
D150,096	S	* 6/1948	O'Brian	 D32/14
4,447,926	A	5/1984	Rothenberger	
4,763,374	A	8/1988	Kaye	
D298,071	S	* 10/1988	Irwin	 D32/14

OTHER PUBLICATIONS

RIGID 2003 Full Line Catalog; p. 138; Model K-50 Drain Cleaner.

* cited by examiner

Primary Examiner—Robert A. Delehanty

(74) *Attorney, Agent, or Firm*—Fay, Sharpe, Fagan, Minnich & McKee, LLP

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front perspective view of a drain cleaner showing our new design;

FIG. 2 is a rear perspective view thereof;

FIG. 3 is a side elevation view thereof;

FIG. 4 is a side elevation view of the opposite side thereof;

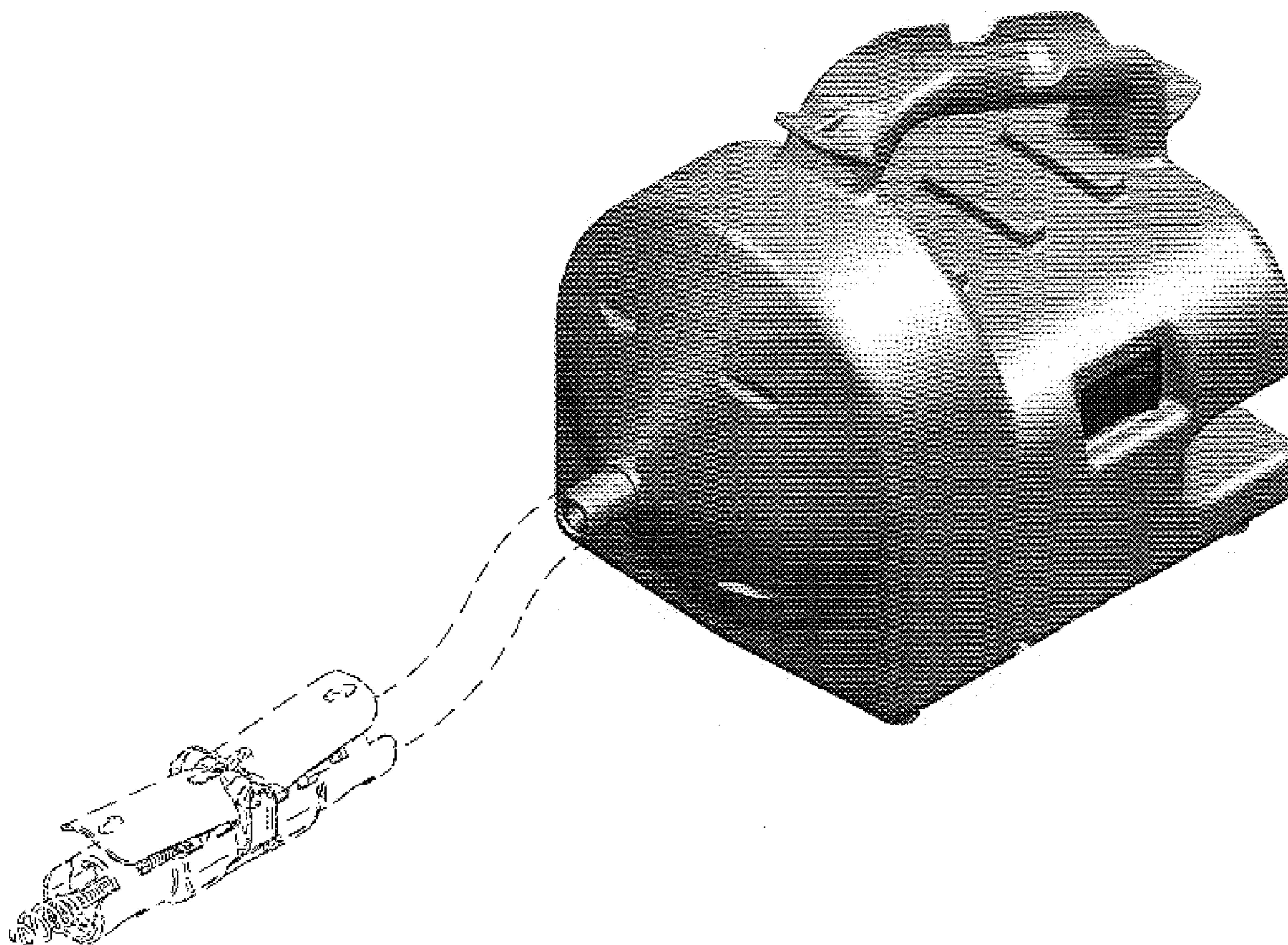
FIG. 5 is a front elevational view thereof;

FIG. 6 is a rear elevation view thereof;

FIG. 7 is a top view thereof; and,

FIG. 8 is a bottom view thereof.

1 Claim, 16 Drawing Sheets



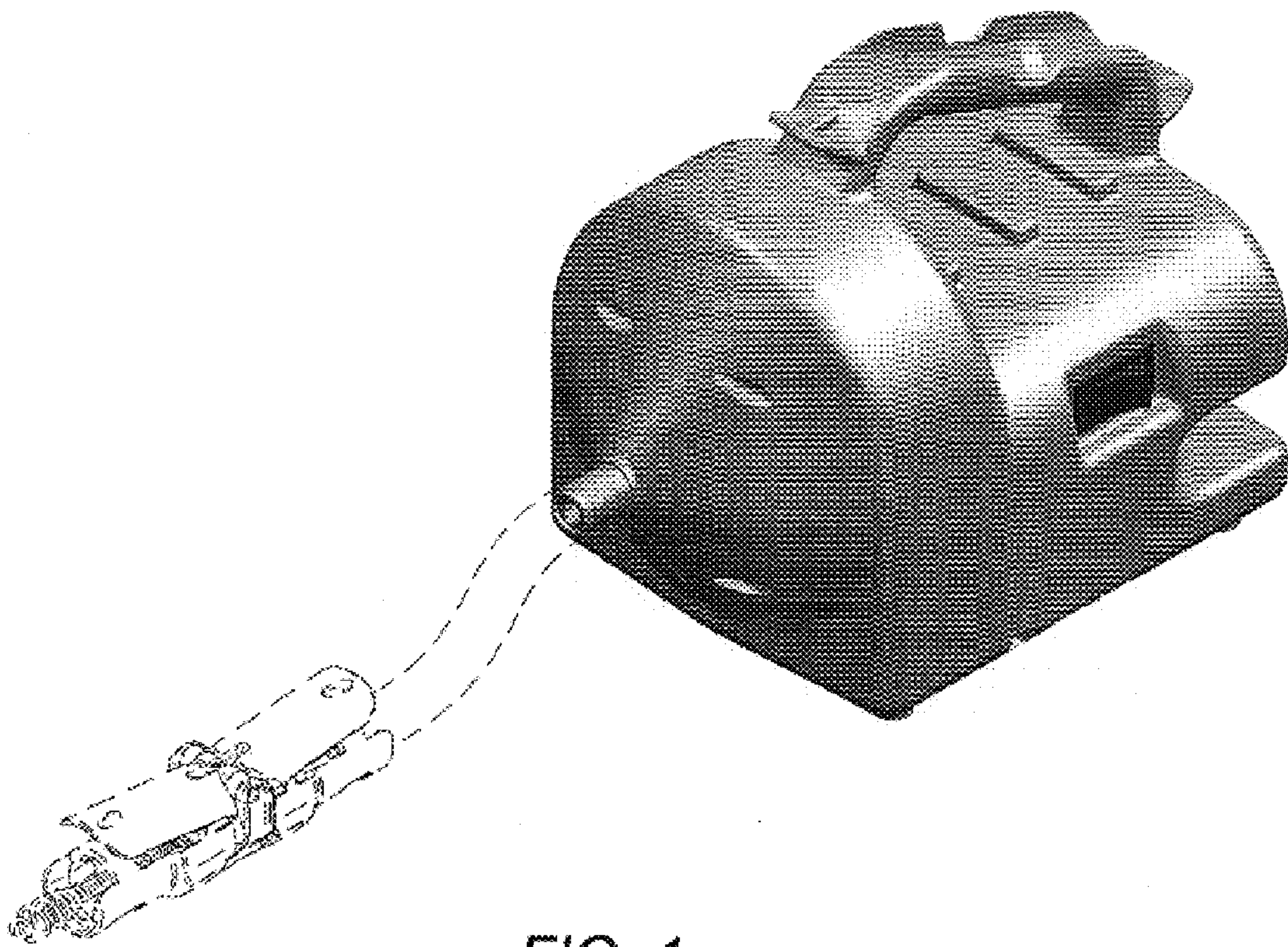


FIG. 1

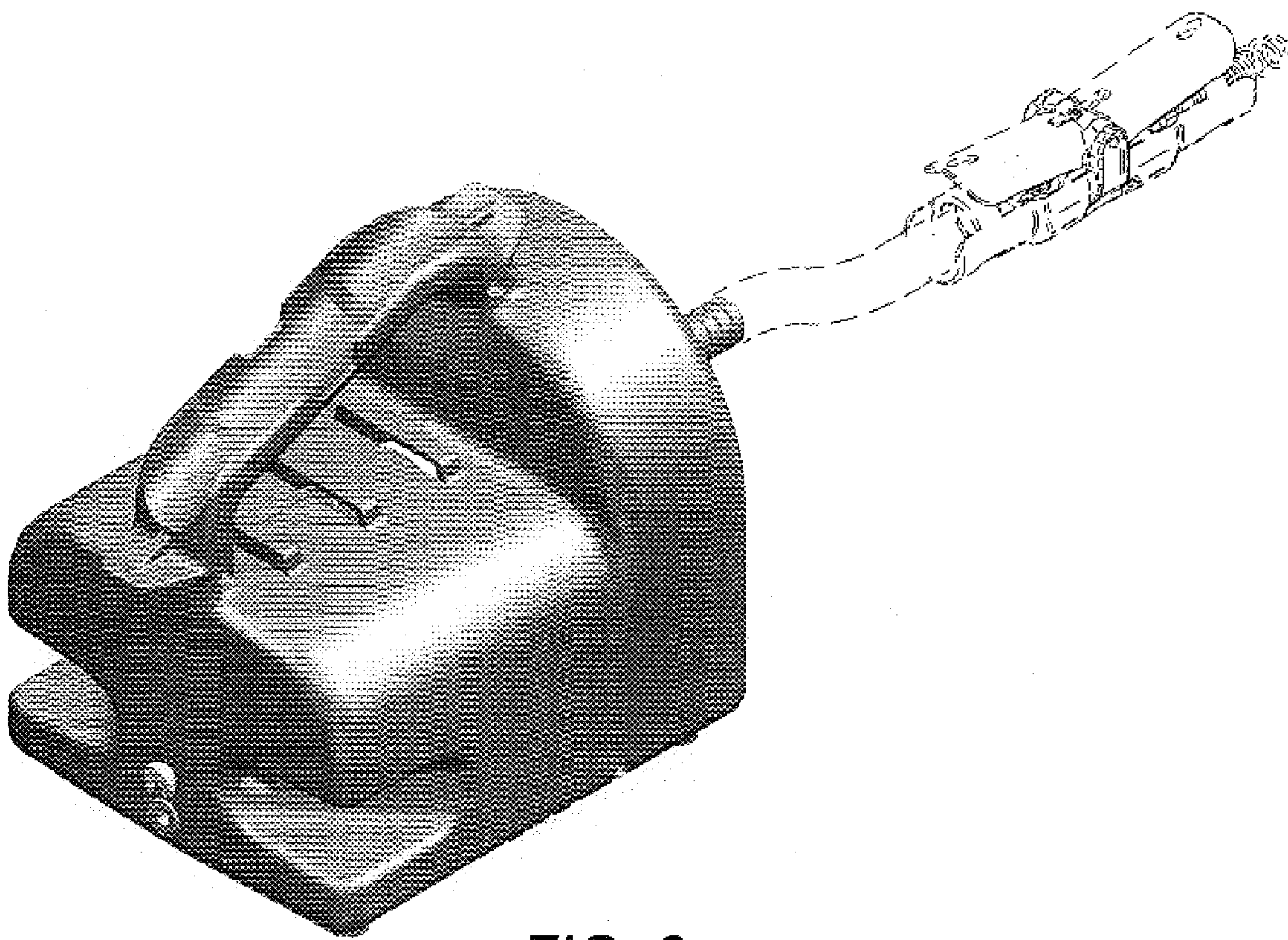


FIG. 2

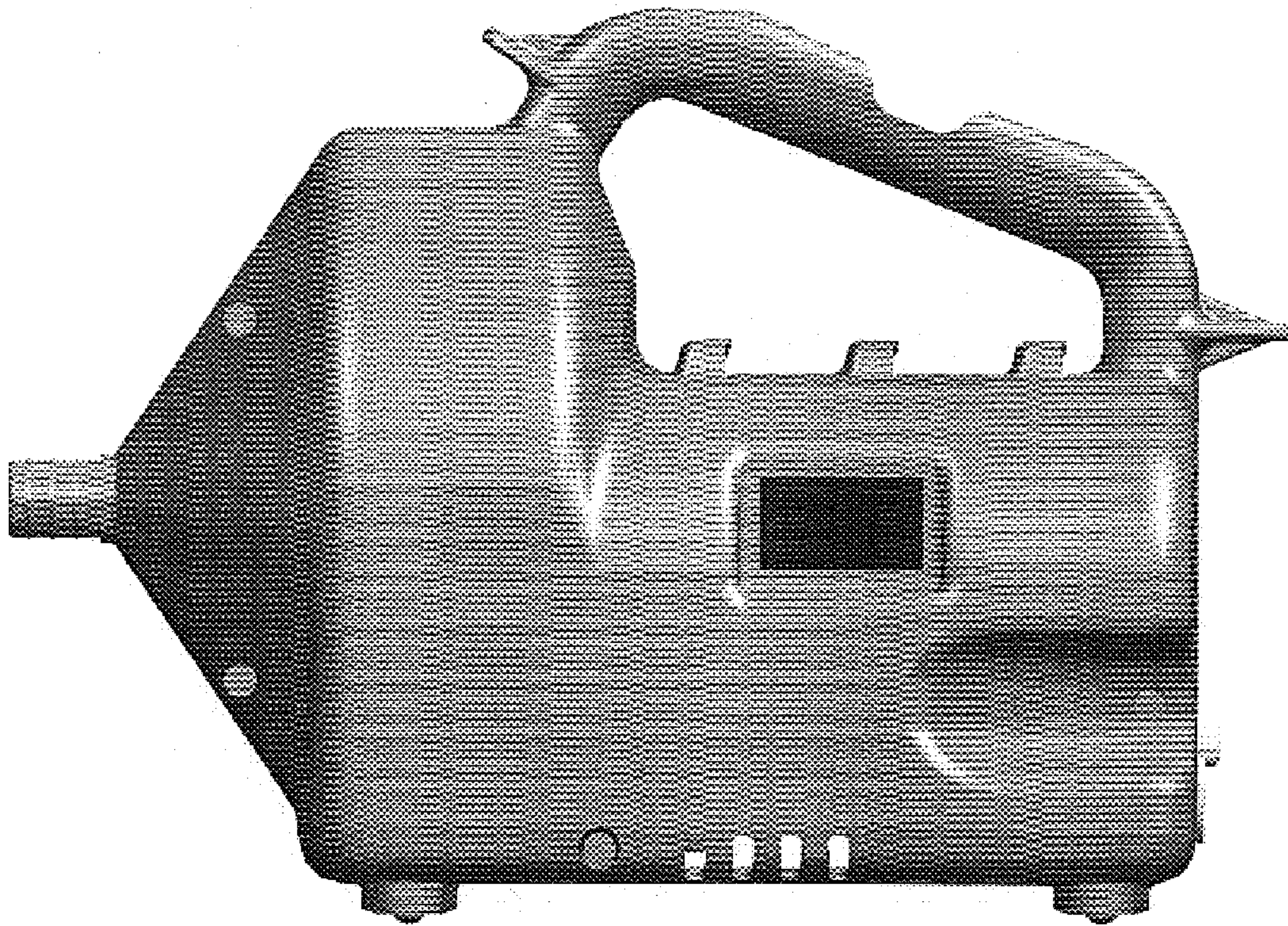


FIG. 3

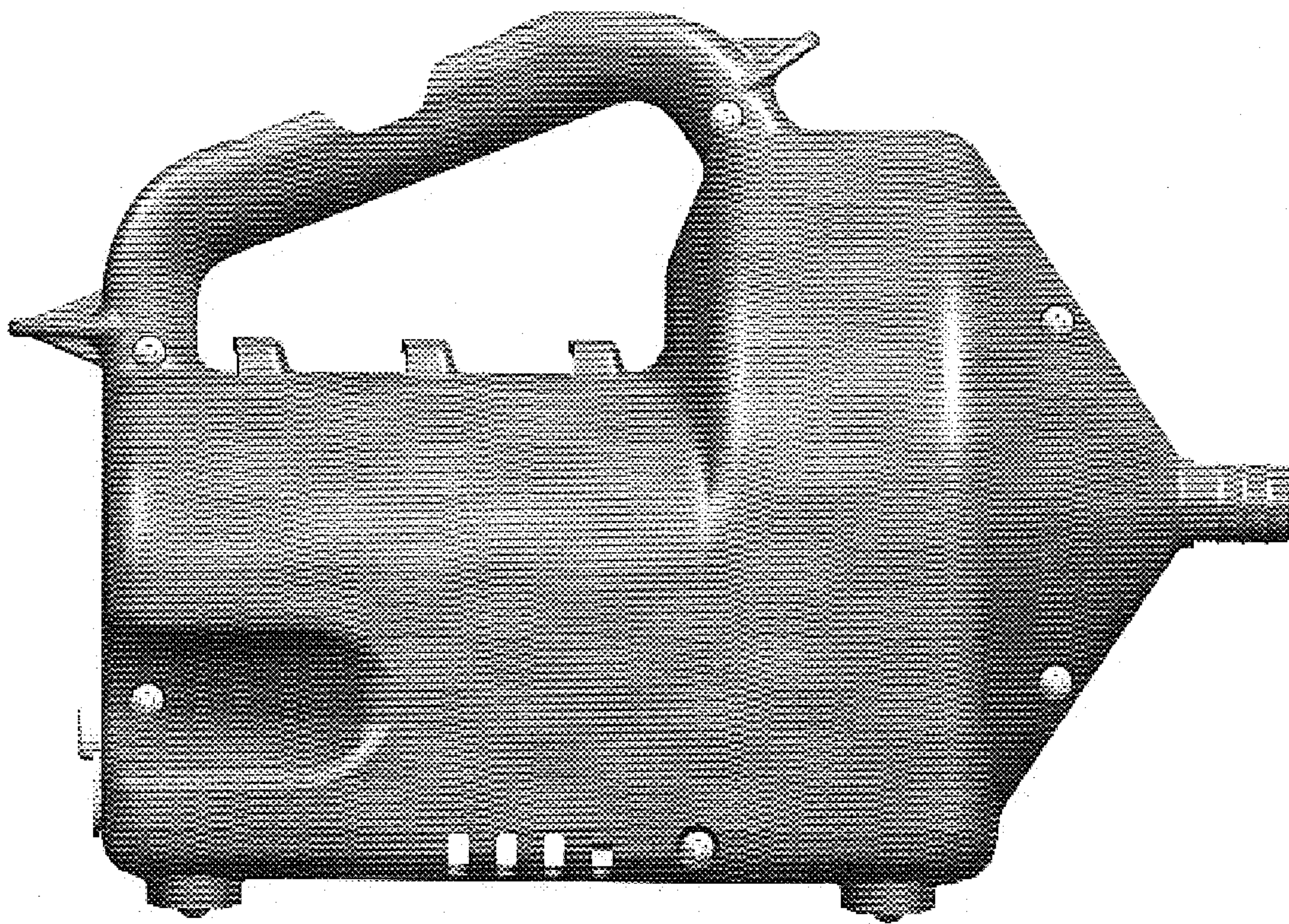


FIG. 4

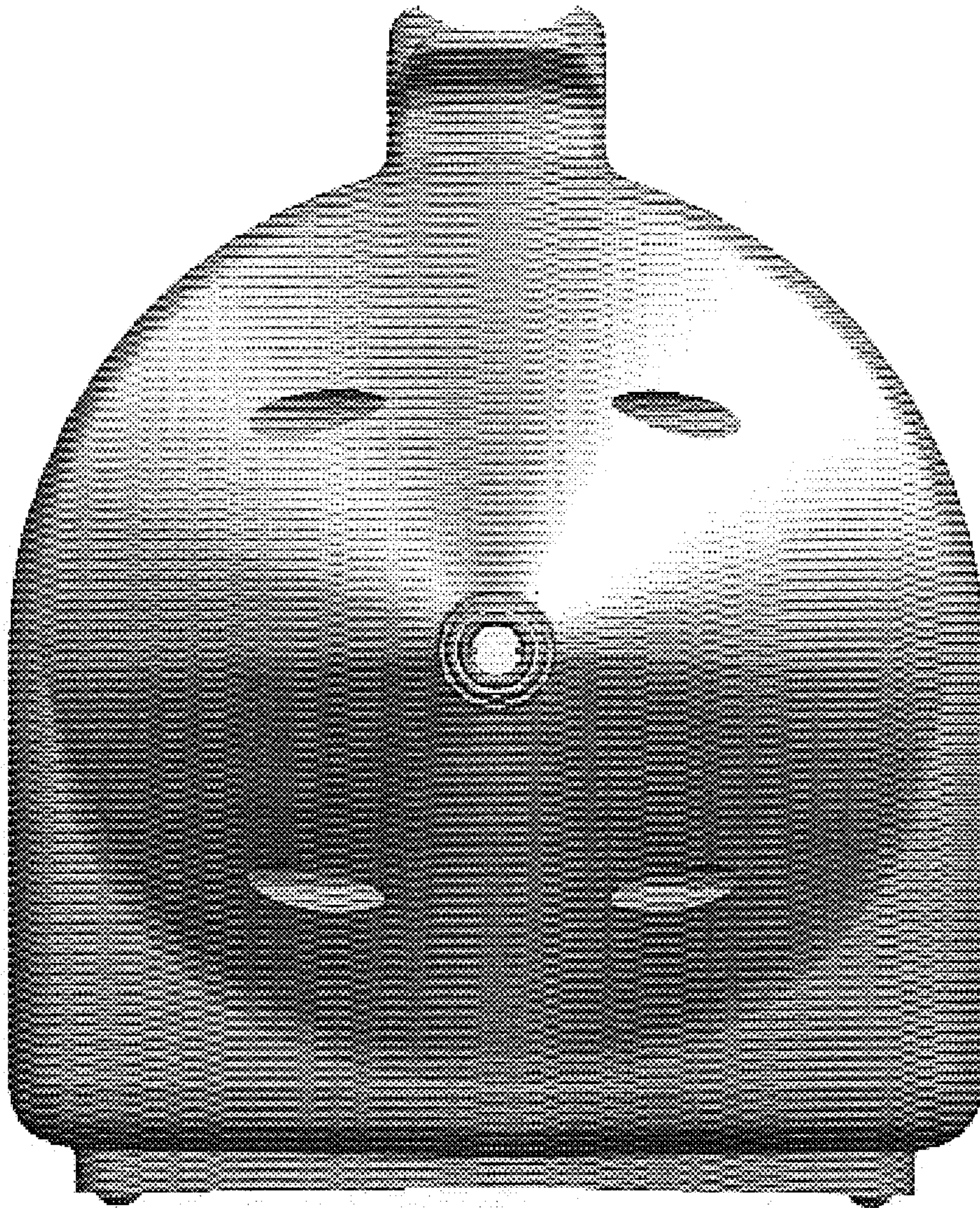


FIG. 5

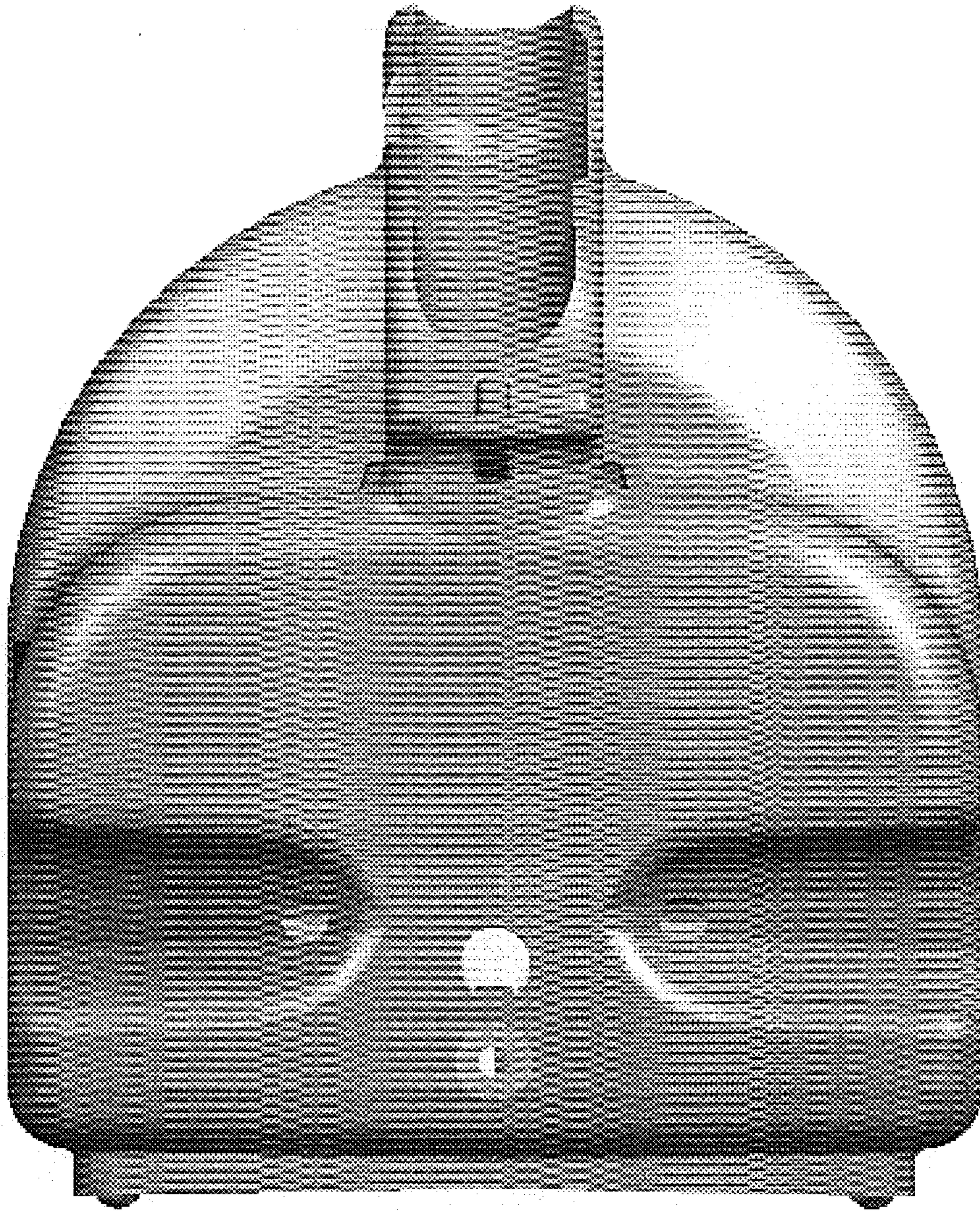


FIG. 6

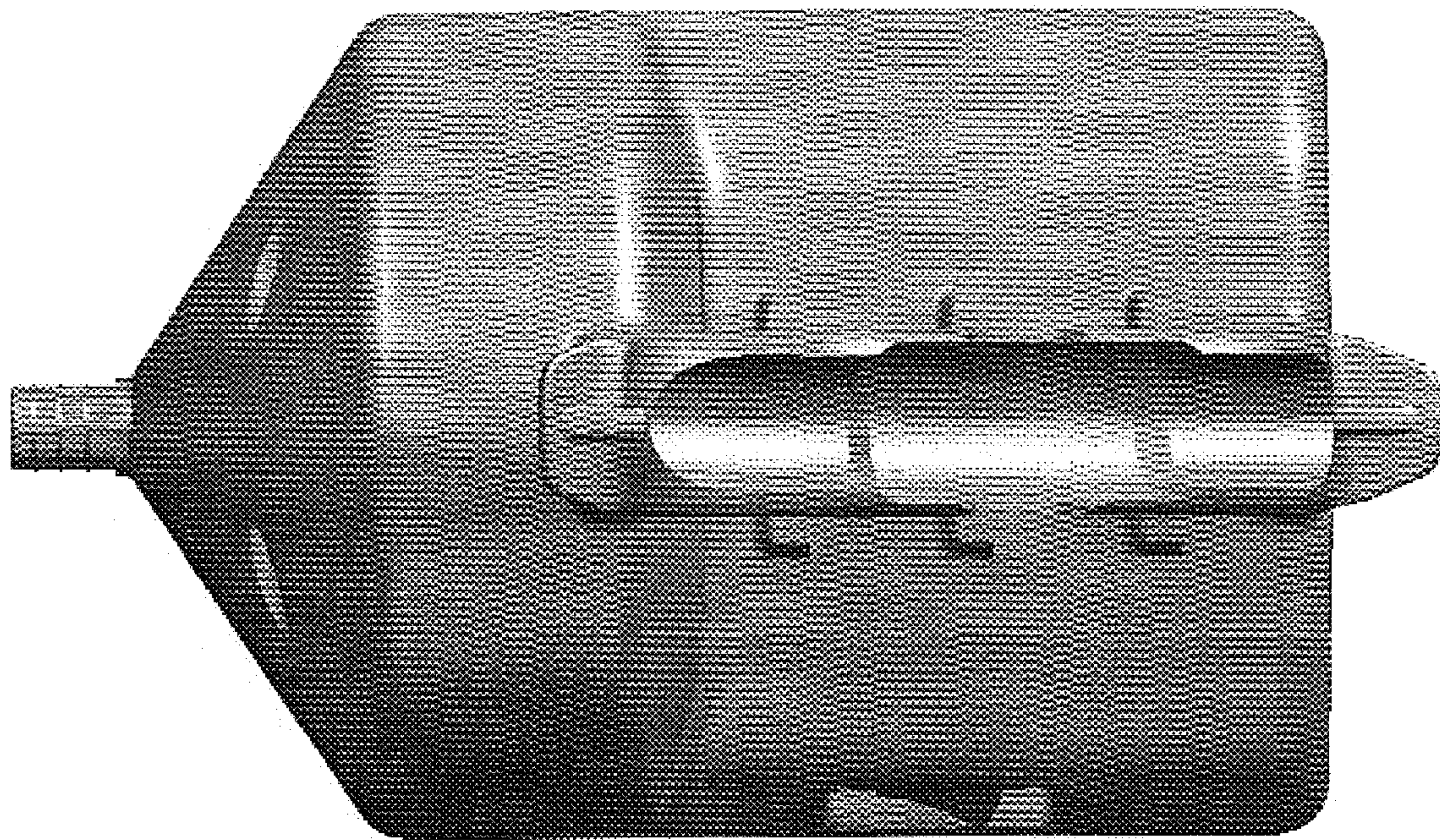


FIG. 7

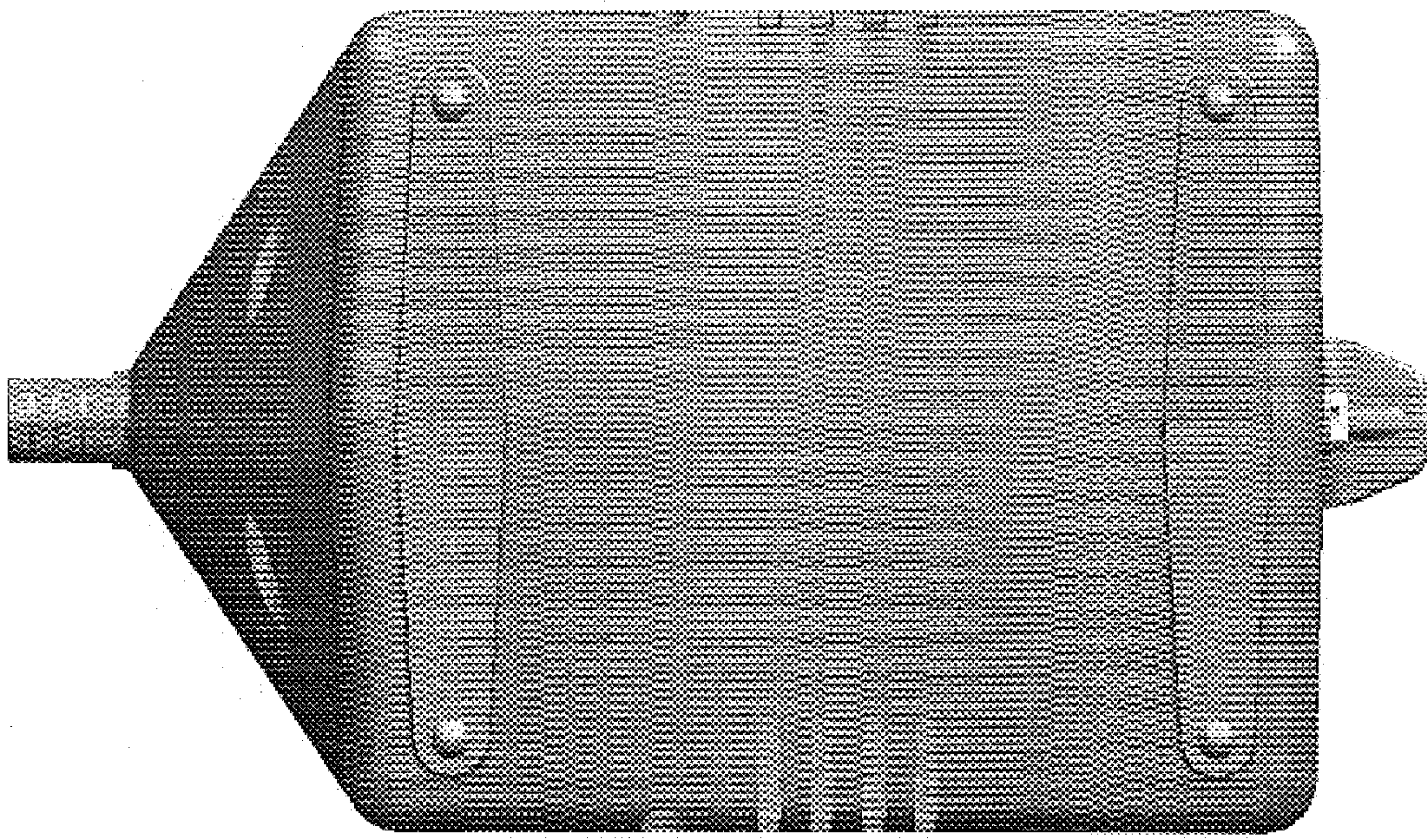


FIG. 8

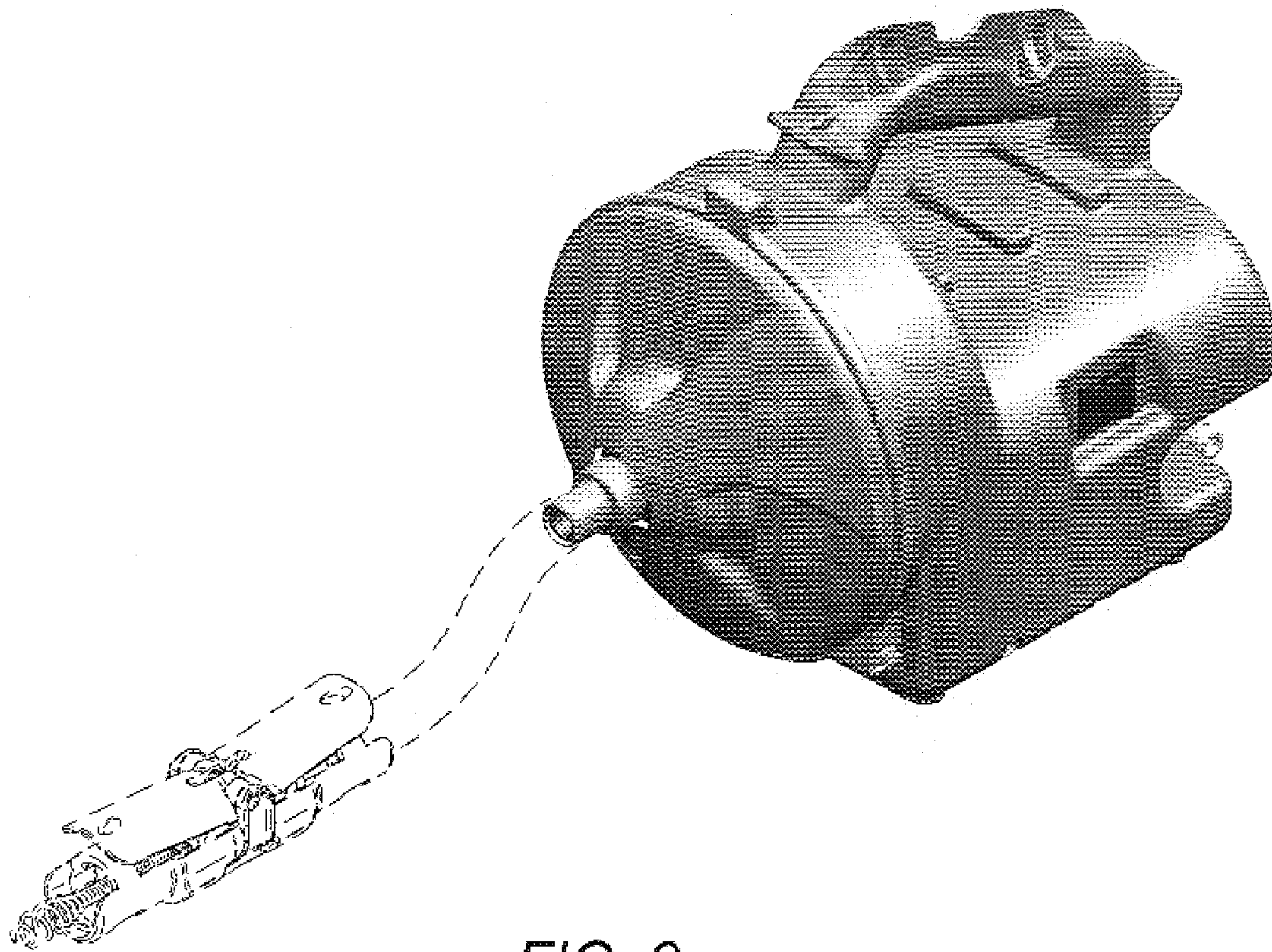


FIG. 9

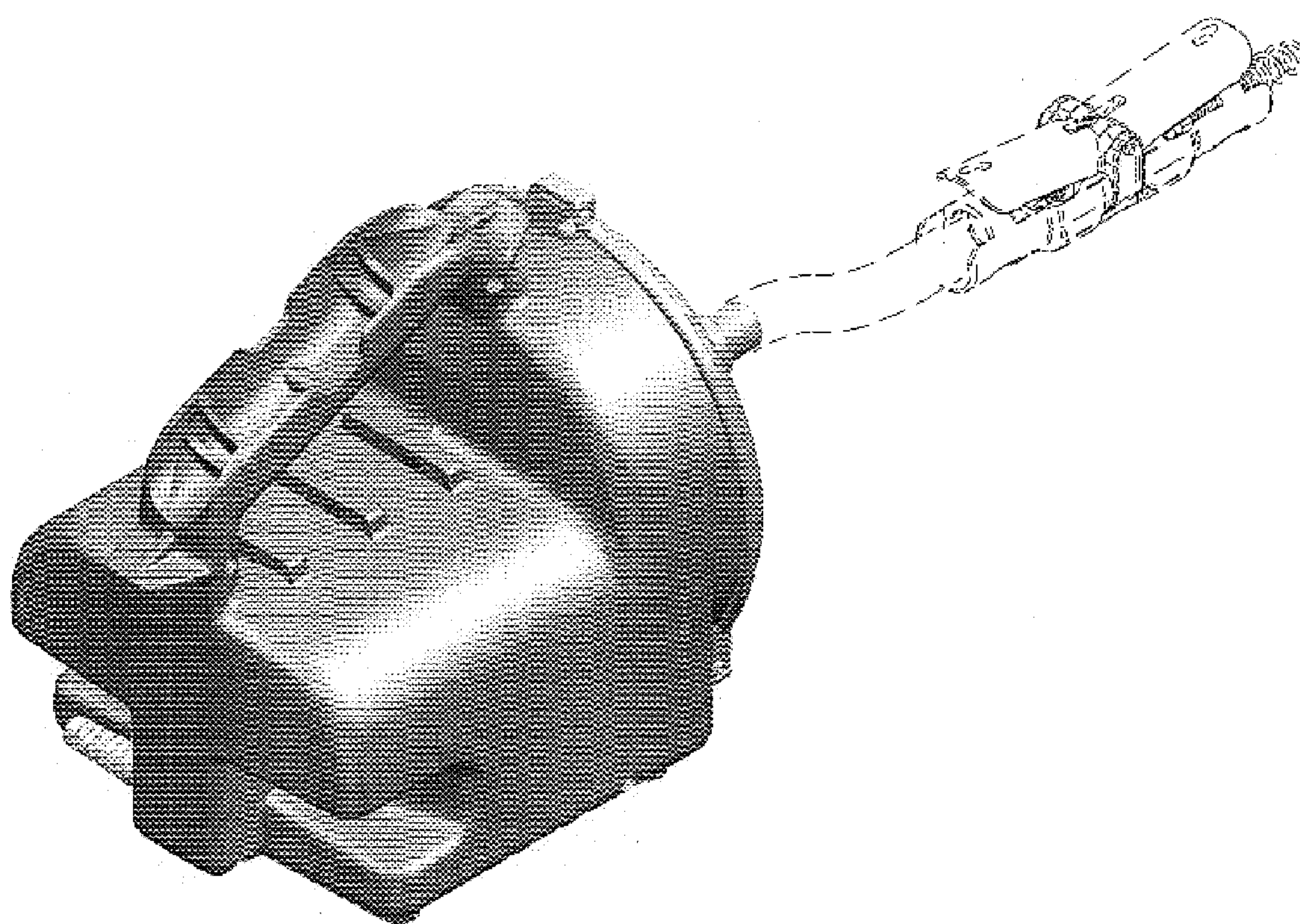


FIG. 10

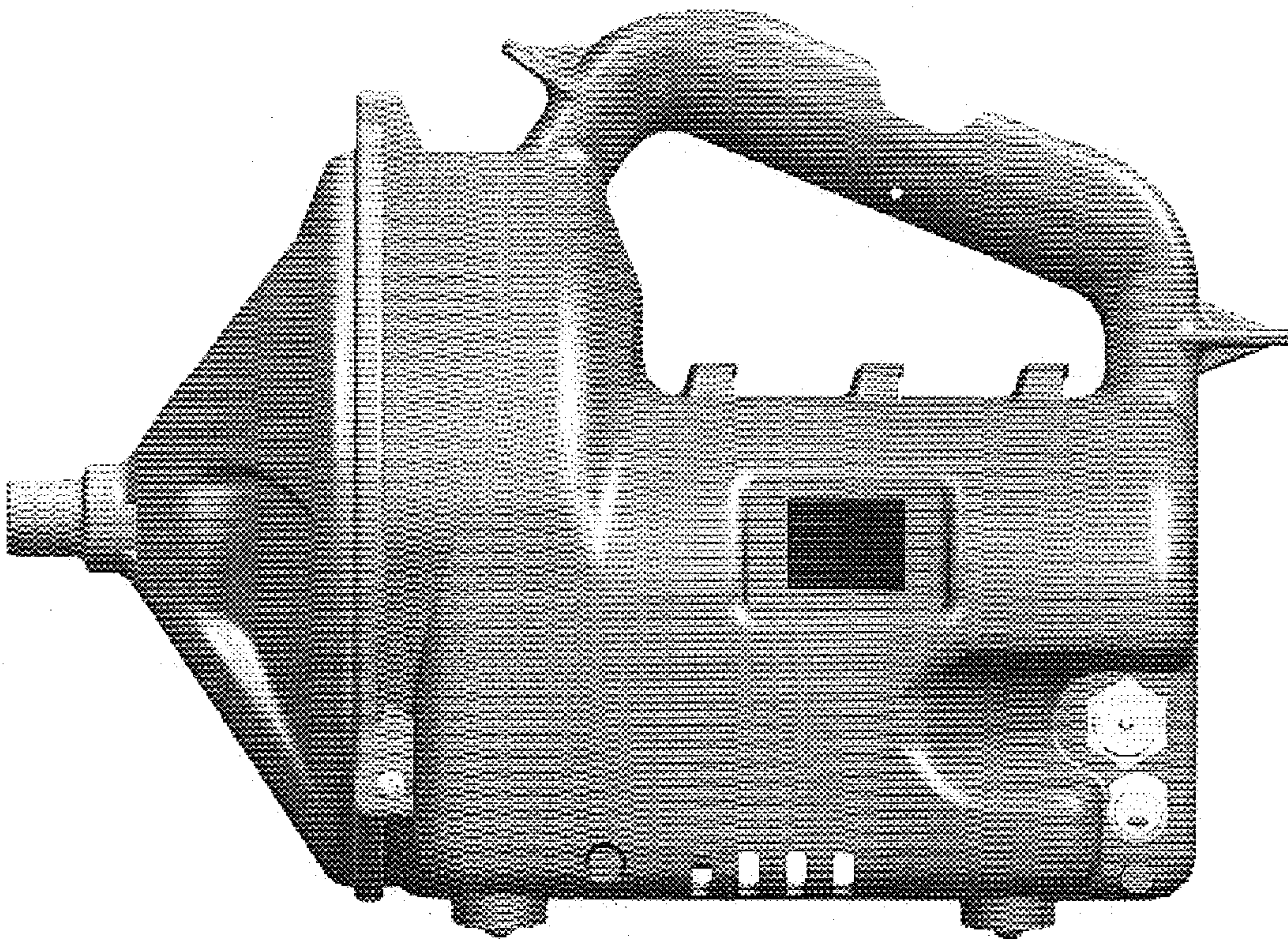


FIG. 11

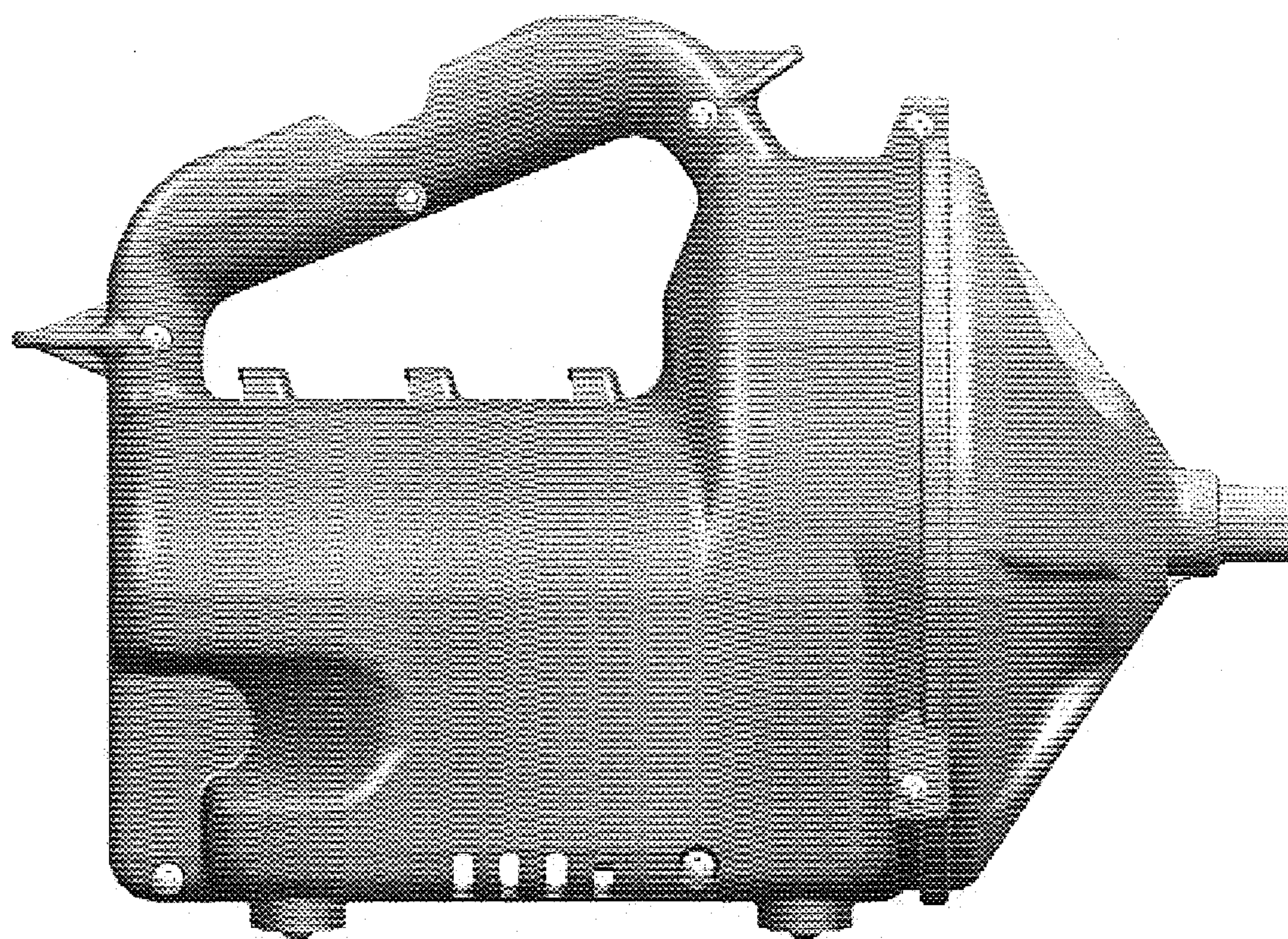


FIG. 12

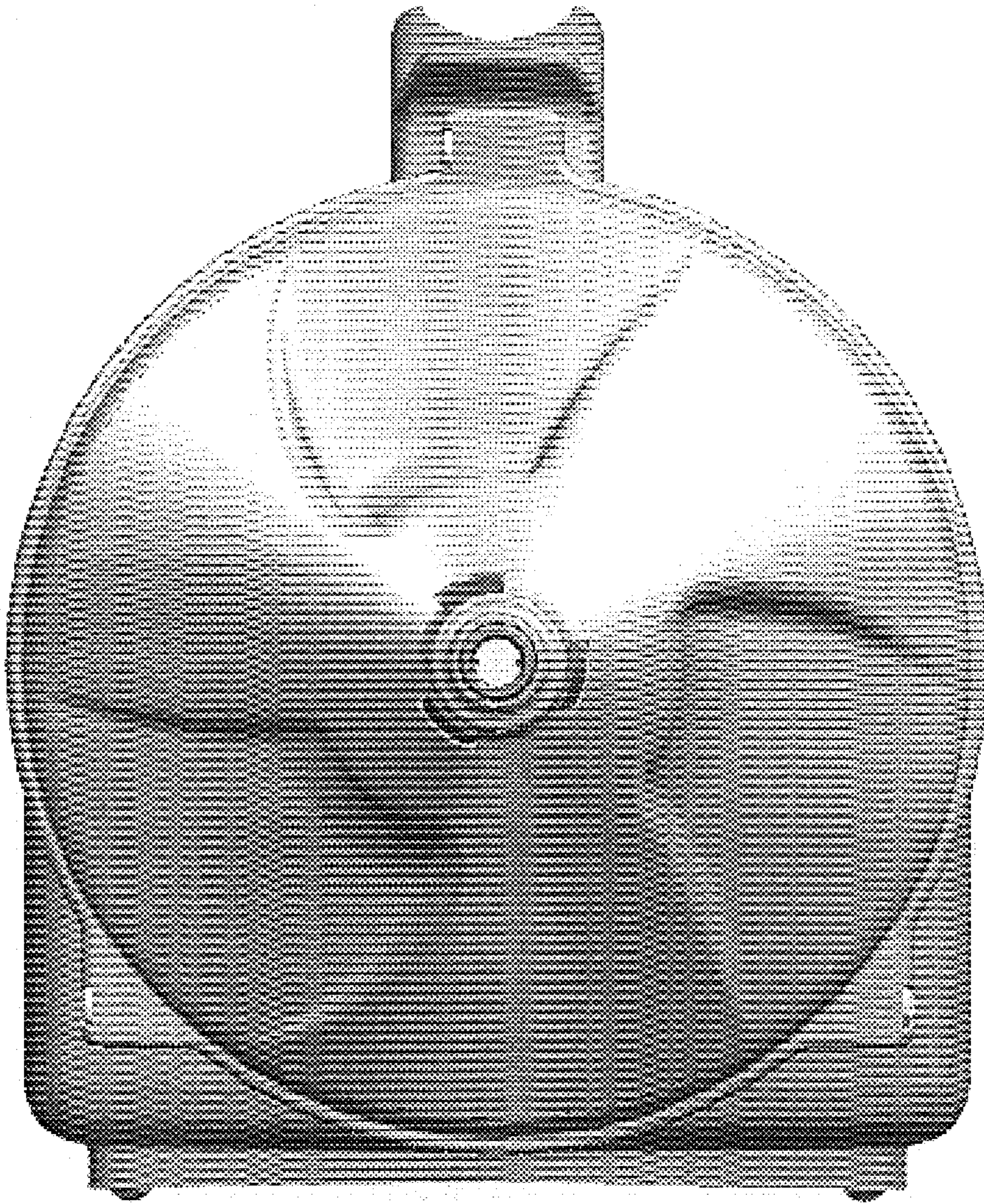


FIG. 13

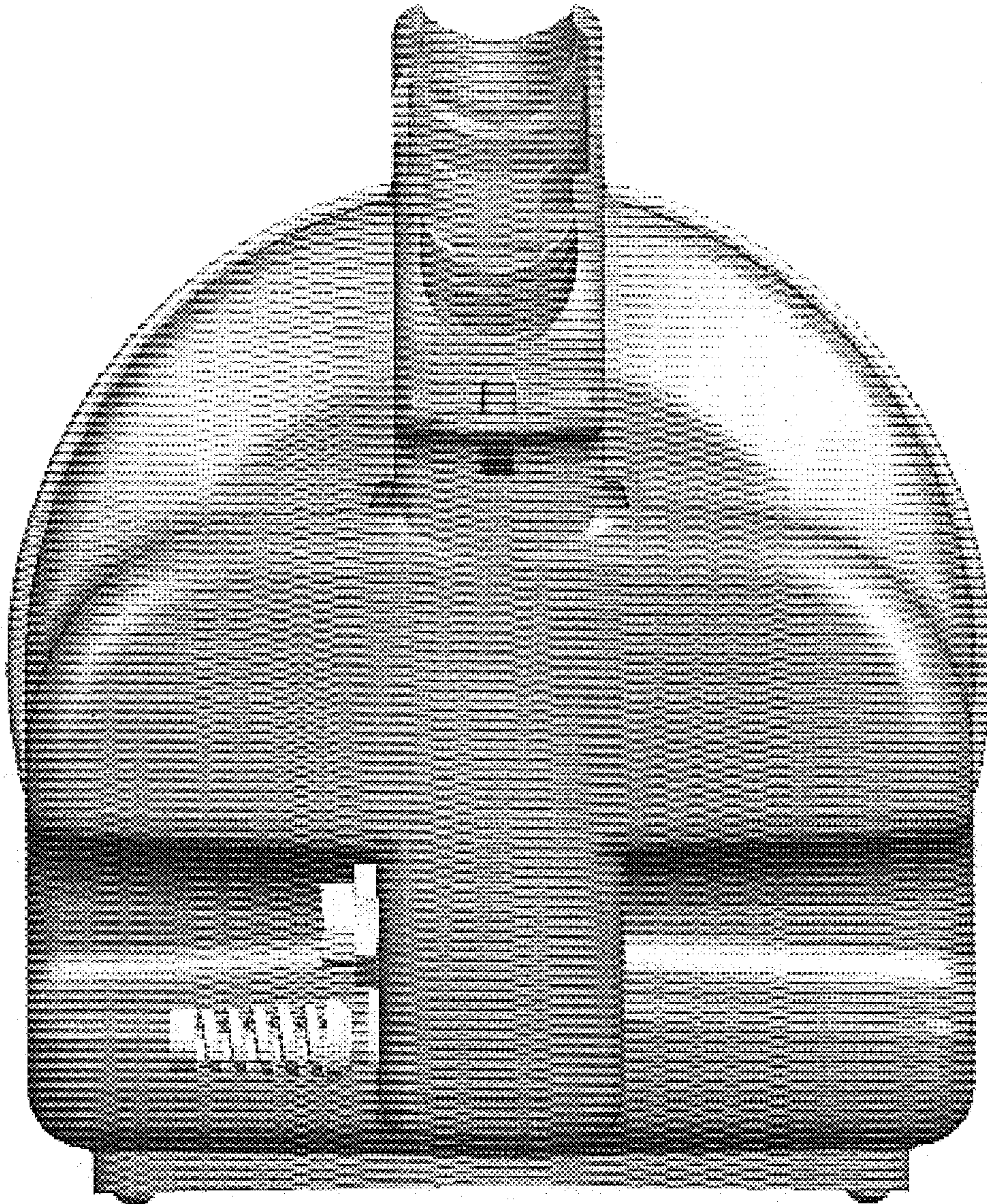


FIG. 14

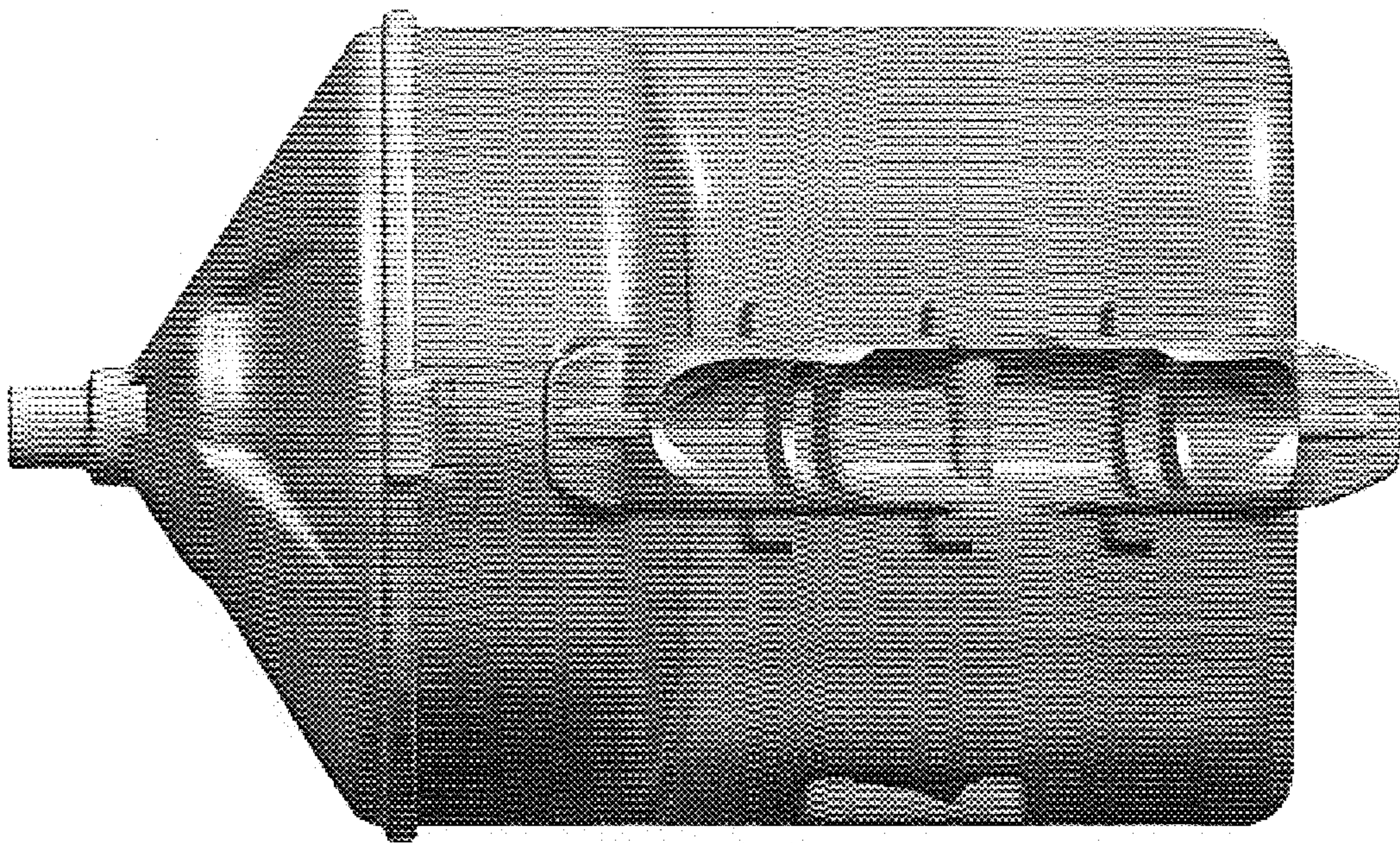


FIG. 15

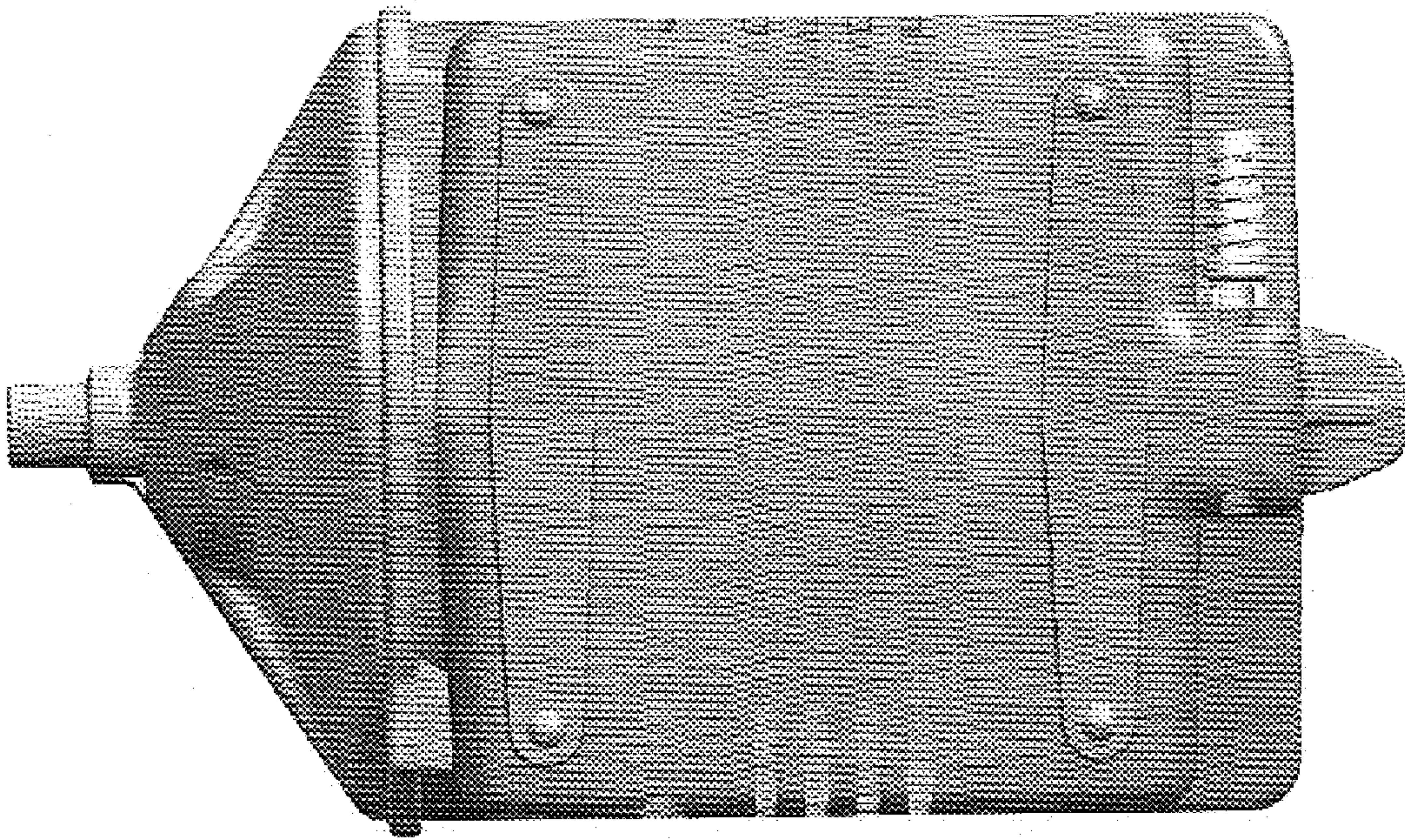


FIG. 16

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 509,929 S
DATED : September 20, 2005
INVENTOR(S) : Rutkowski et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page, showing the illustrative figure, should be deleted to be replaced with the attached title page.

The drawing sheet, consisting of Figs. 1-16, should be deleted to be replaced with drawing sheets, consisting of Figs. 1-8, as shown on the attached page.

Title page,

Under Item [57], **DESCRIPTION,**

“16 Drawing Sheets” should read -- **8 Drawing Sheets** --.

Signed and Sealed this

Sixth Day of June, 2006

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is written in a cursive style with a large, stylized "J" and "D".

JON W. DUDAS

Director of the United States Patent and Trademark Office

(12) **United States Design Patent**
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(10) Patent No.:

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Primary Examiner—Robert A. Delehanty

(74) Attorney, Agent, or Firm—Fay, Sharpe, Fagan, Munich & McKee, LLP

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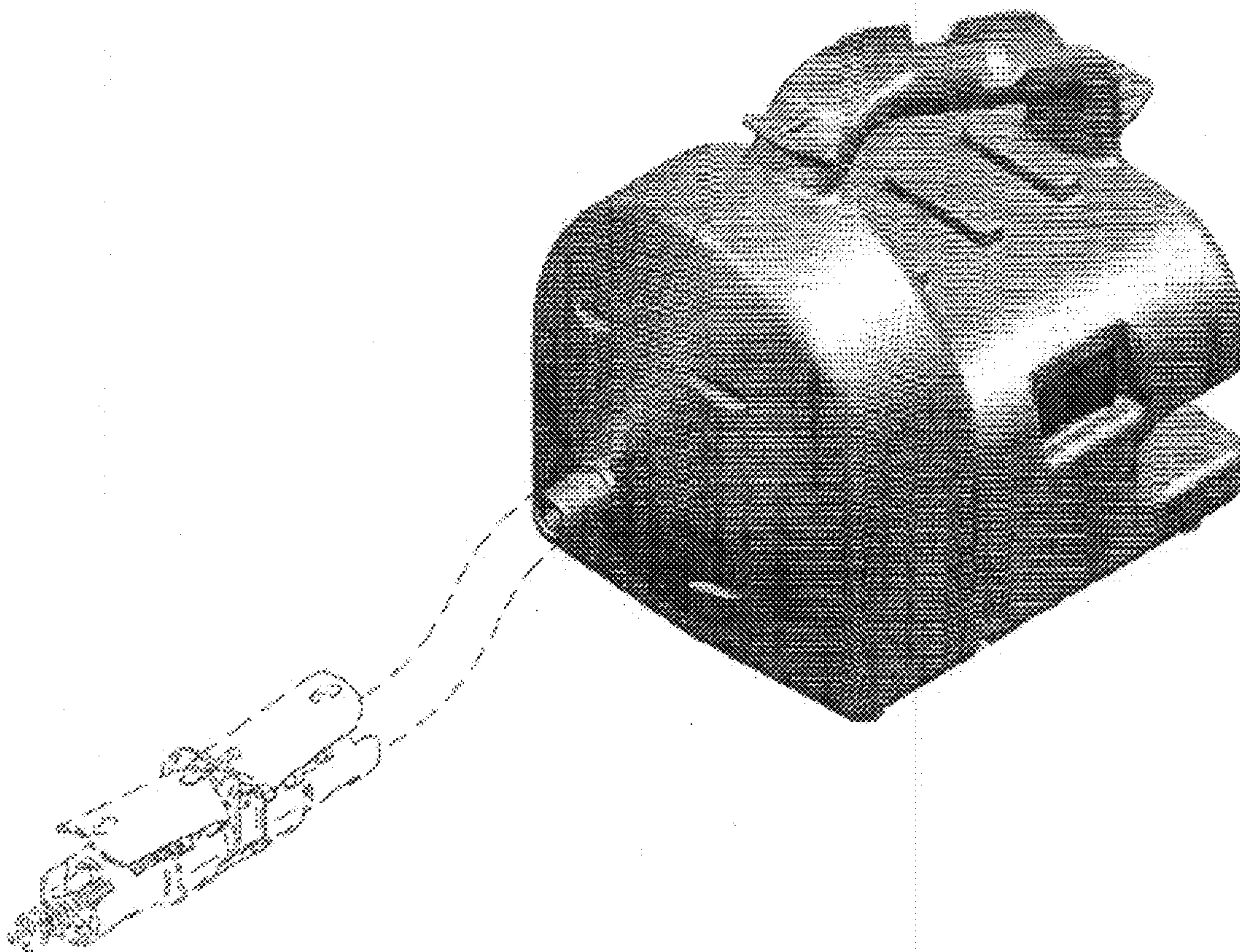
FIG. 5 is a front elevational view thereof;

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1 Claim, 8 Drawing Sheets



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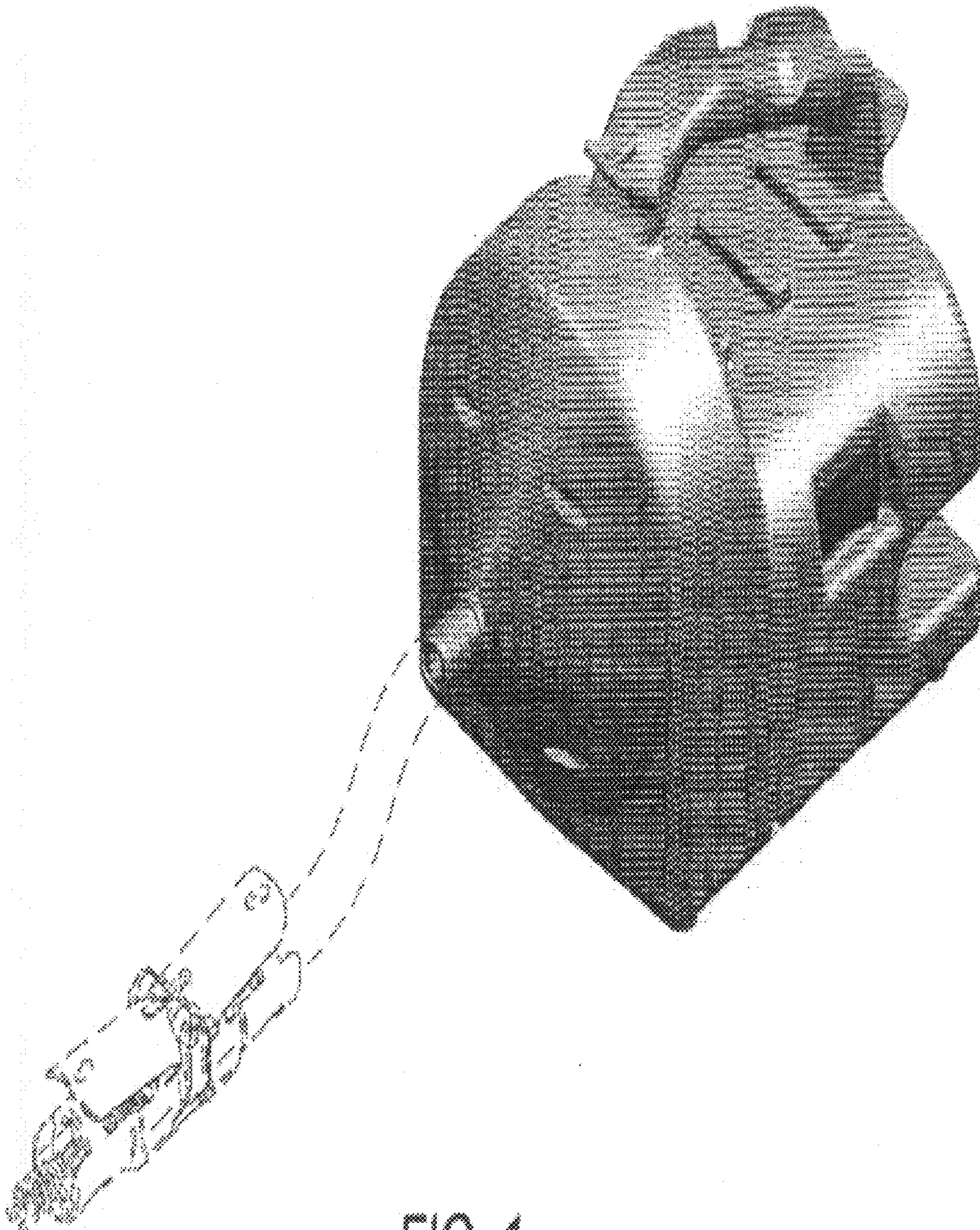


FIG. 1

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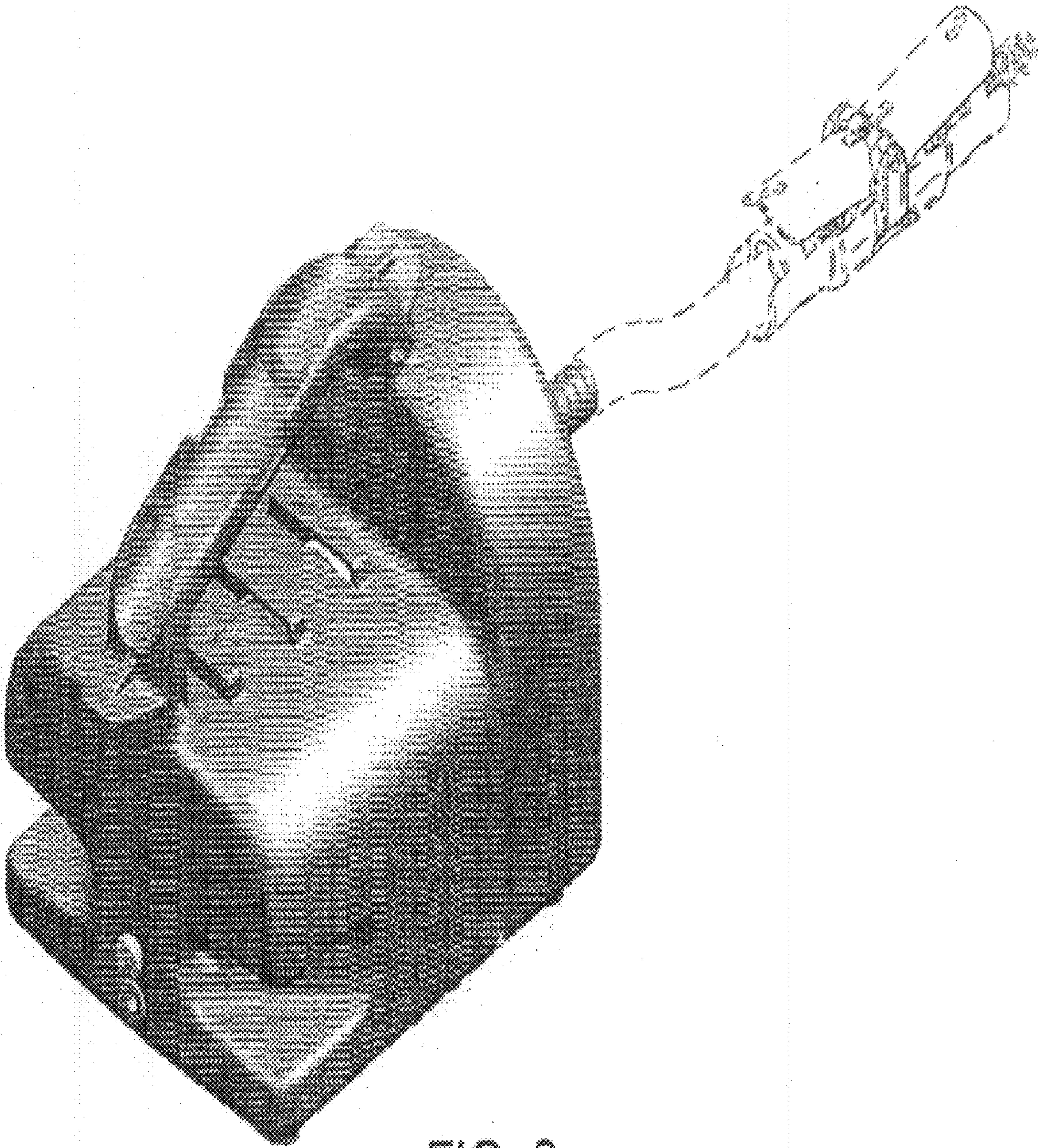


FIG. 2

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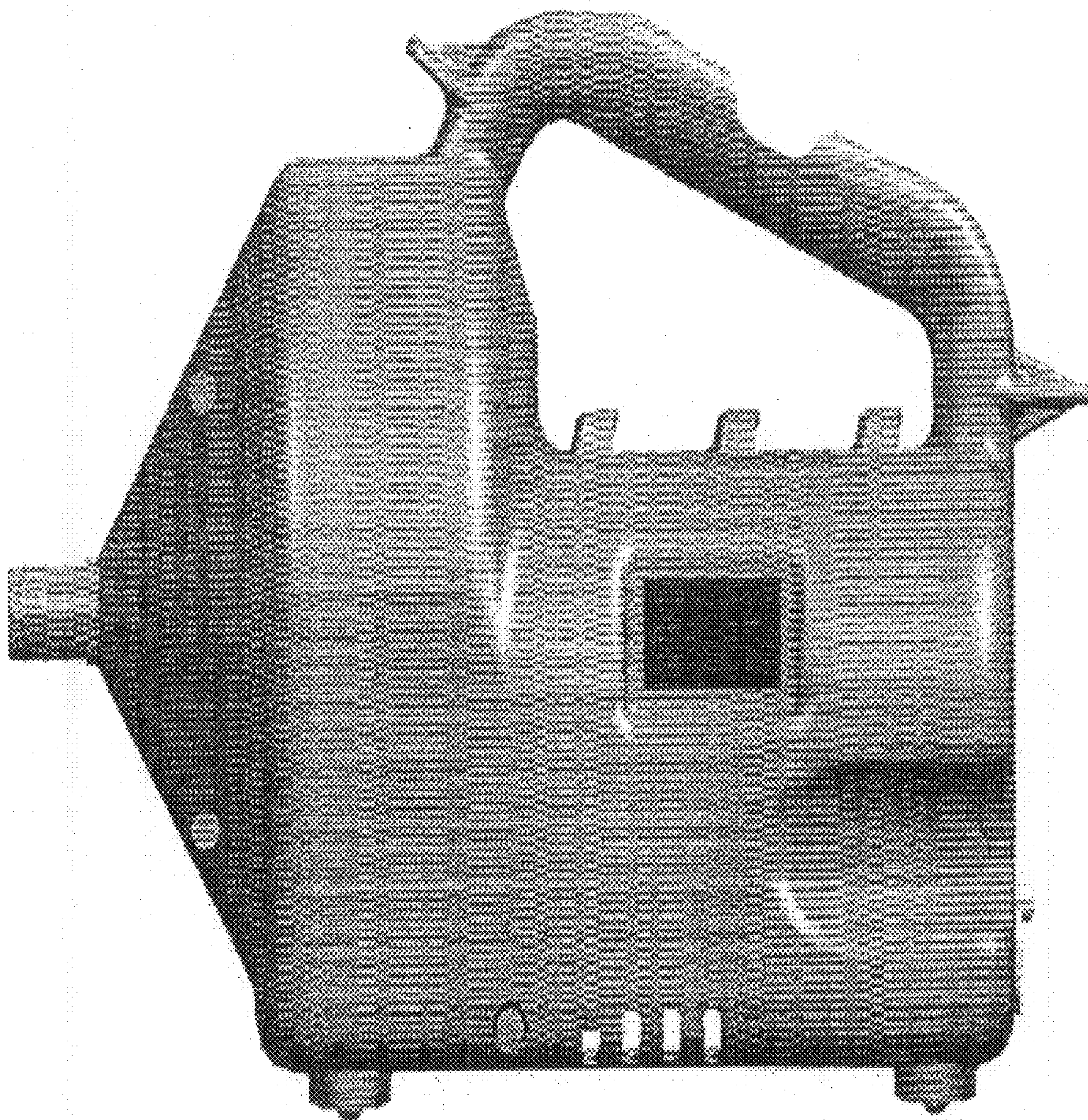


FIG. 3

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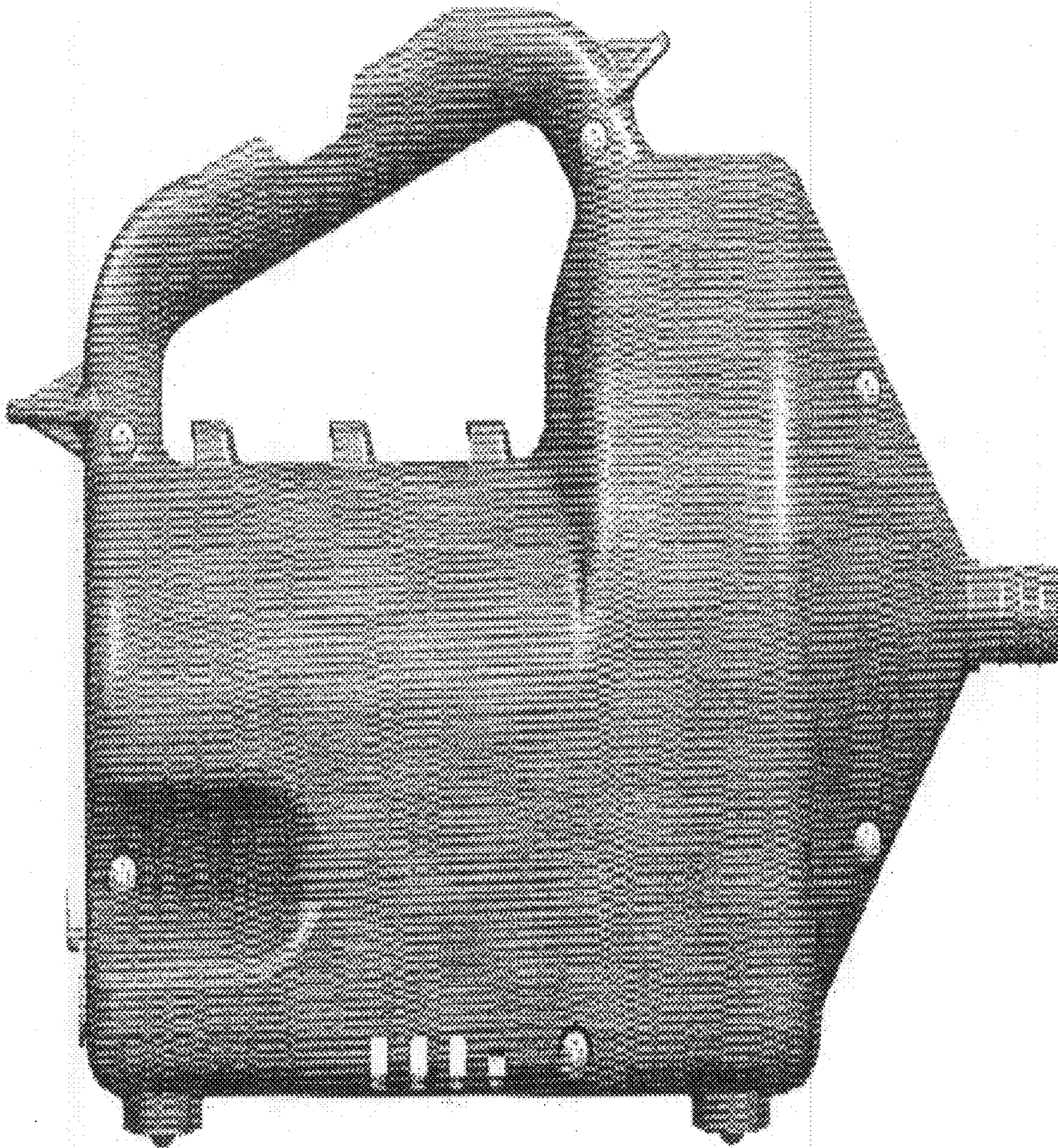


FIG. 4

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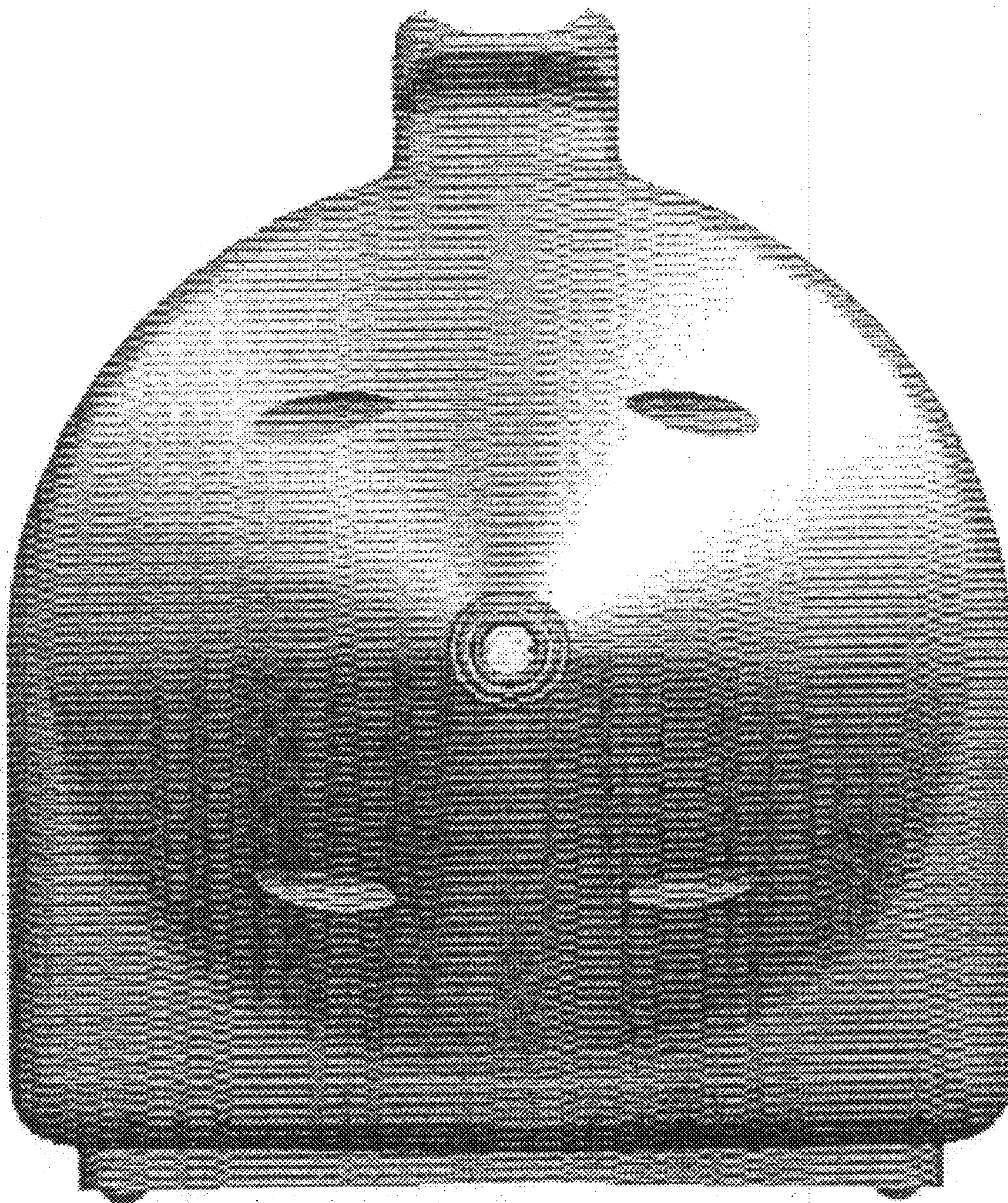


FIG. 5

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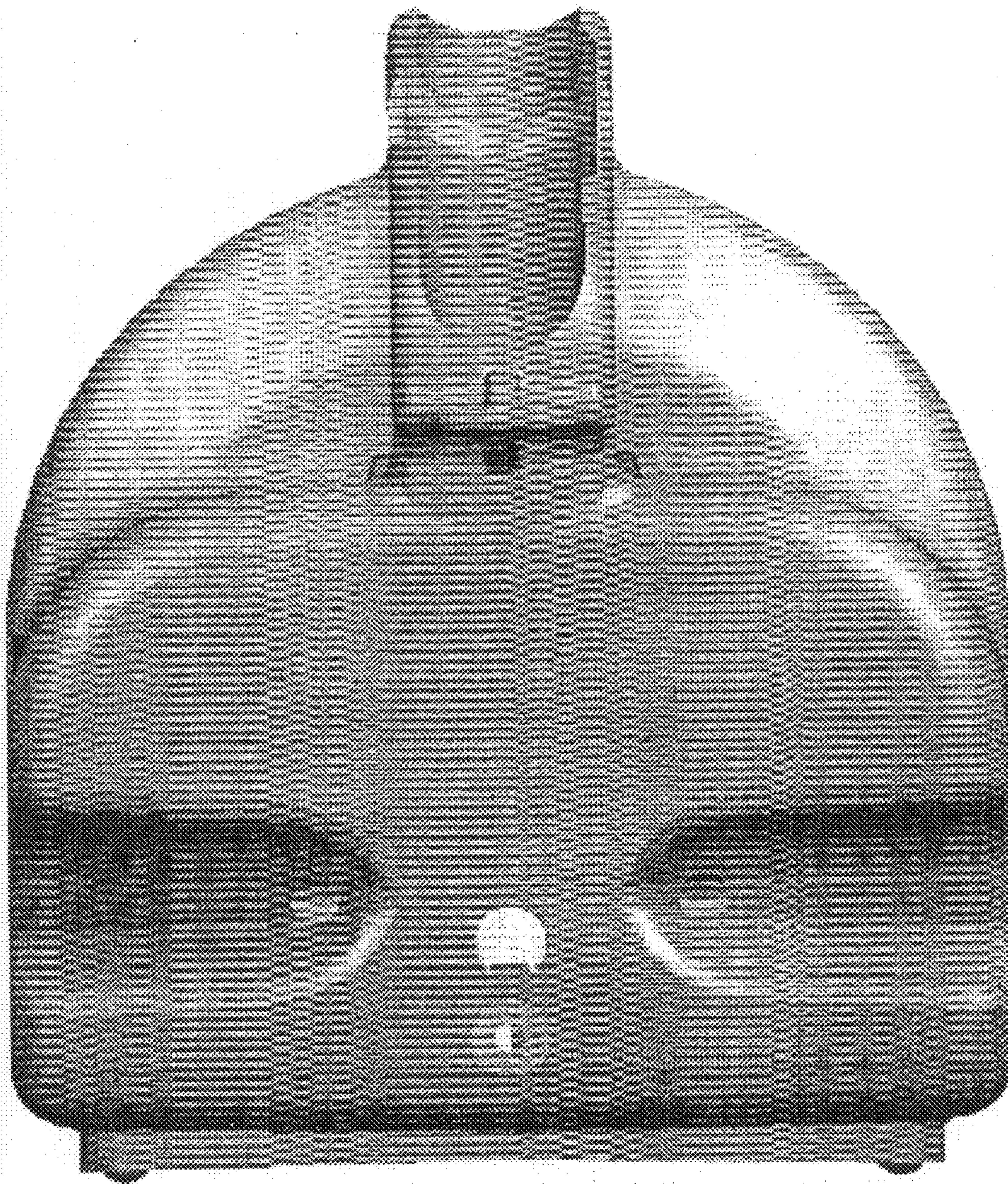


FIG. 6

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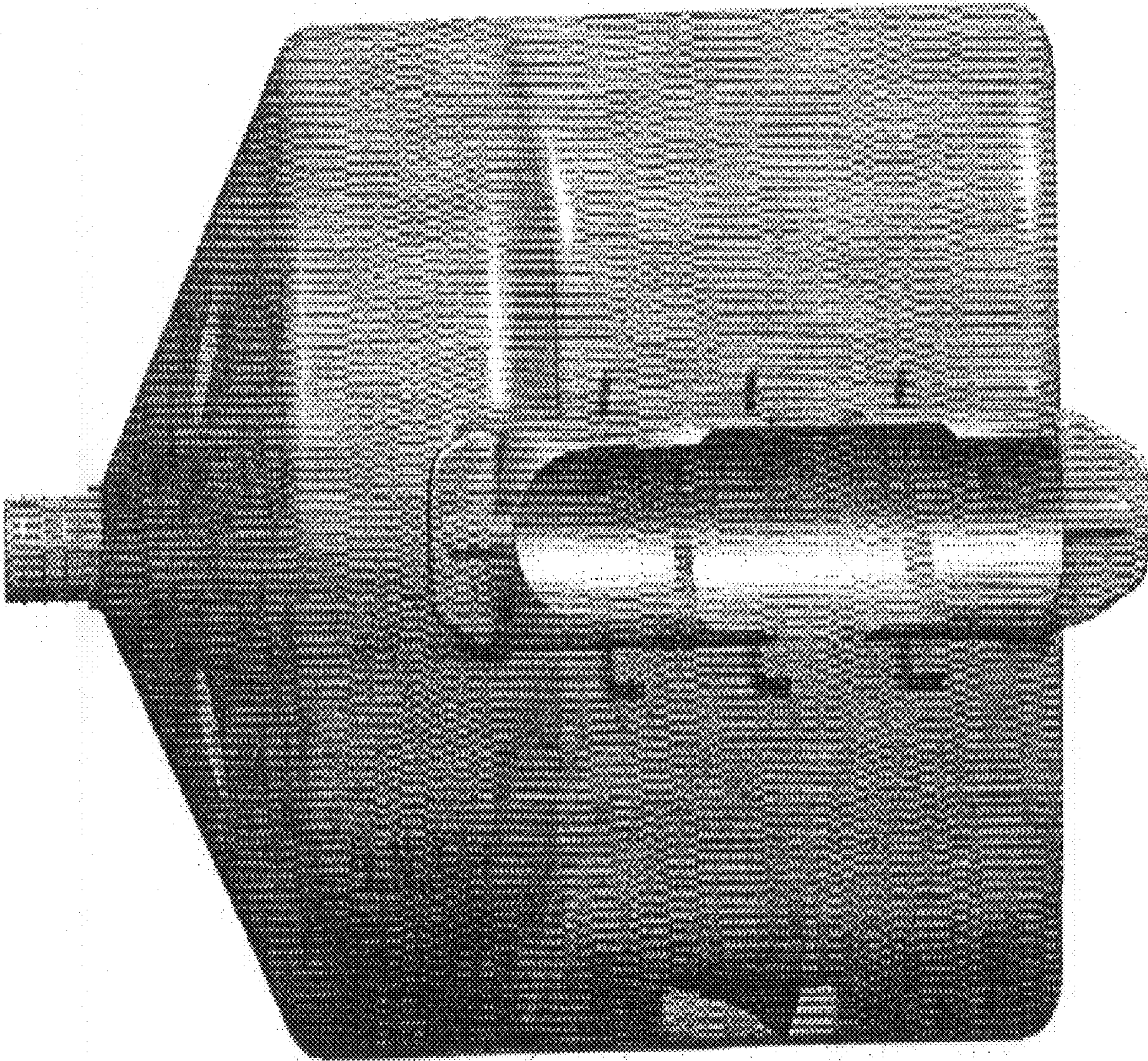


FIG. 7

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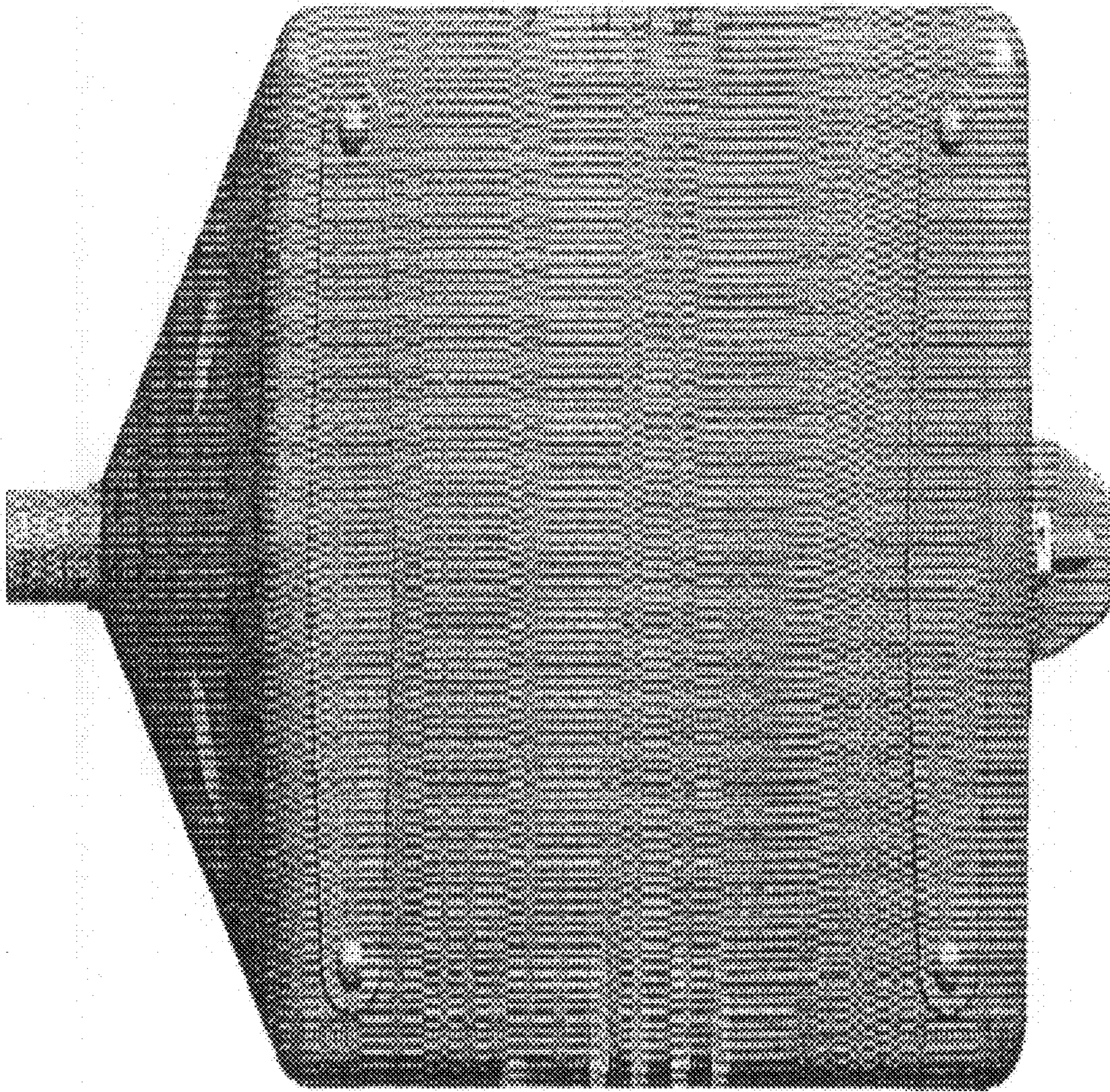


FIG. 8