



US00D323169S

United States Patent [19]

[11] Patent Number: **Des. 323,169**

Saito

[45] Date of Patent: **** Jan. 14, 1992**

[54] **CRUSHER FOR USE WITH A POWER SHOVEL**

4,403,431	9/1983	Ramun et al.	37/117.5
4,635,386	1/1987	Kobayasi	414/739
4,776,524	10/1988	Sakato	241/101.7
4,838,493	6/1989	LaBounty	241/101.7

[75] Inventor: **Tadashi Saito**, Higashiosaka, Japan

[73] Assignee: **Nippon Pneumatic Manufacturing Co., Ltd.**, Osaka, Japan

[**] Term: **14 Years**

Primary Examiner—Bernard Ansher
Assistant Examiner—Sandra Morris
Attorney, Agent, or Firm—Wenderoth, Lind & Ponack

[21] Appl. No.: **420,005**

[57] **CLAIM**

[22] Filed: **Oct. 11, 1989**

The ornamental design for a crusher for use with a power shovel, as shown.

[52] U.S. Cl. **D15/32; D15/28**

DESCRIPTION

[58] Field of Search **D15/22-25, D15/28, 32; 37/117.5, 118 A; 144/2 N; 241/101.7; 254/127; 414/722, 729, 739**

FIG. 1 is a front elevational view of a crusher for use with a power shovel, showing my new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof; and
FIG. 7 is a perspective view thereof.

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 306,599	3/1990	Hunter	D15/32
4,283,866	8/1981	Ogawa	37/117.5

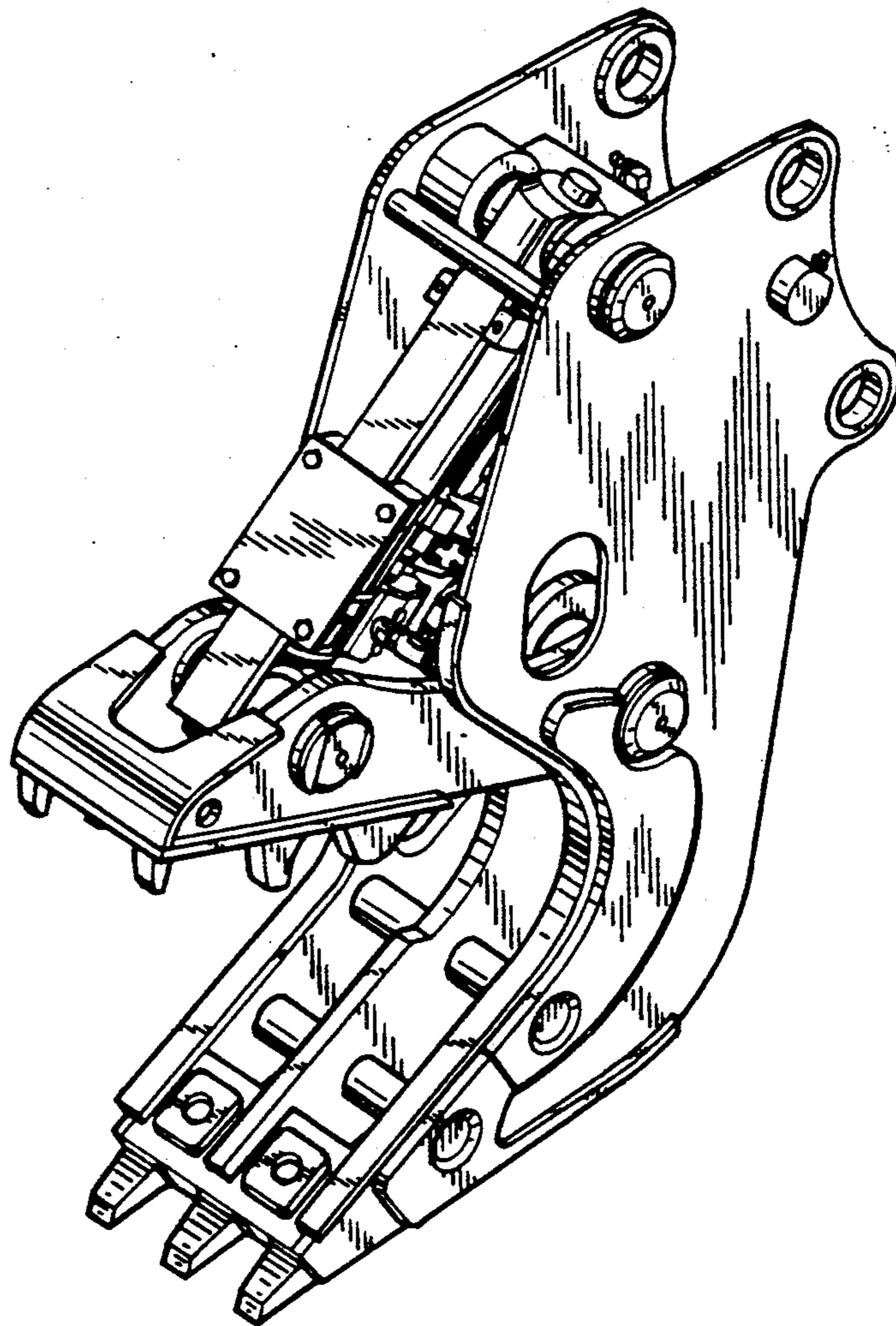


FIG. 1

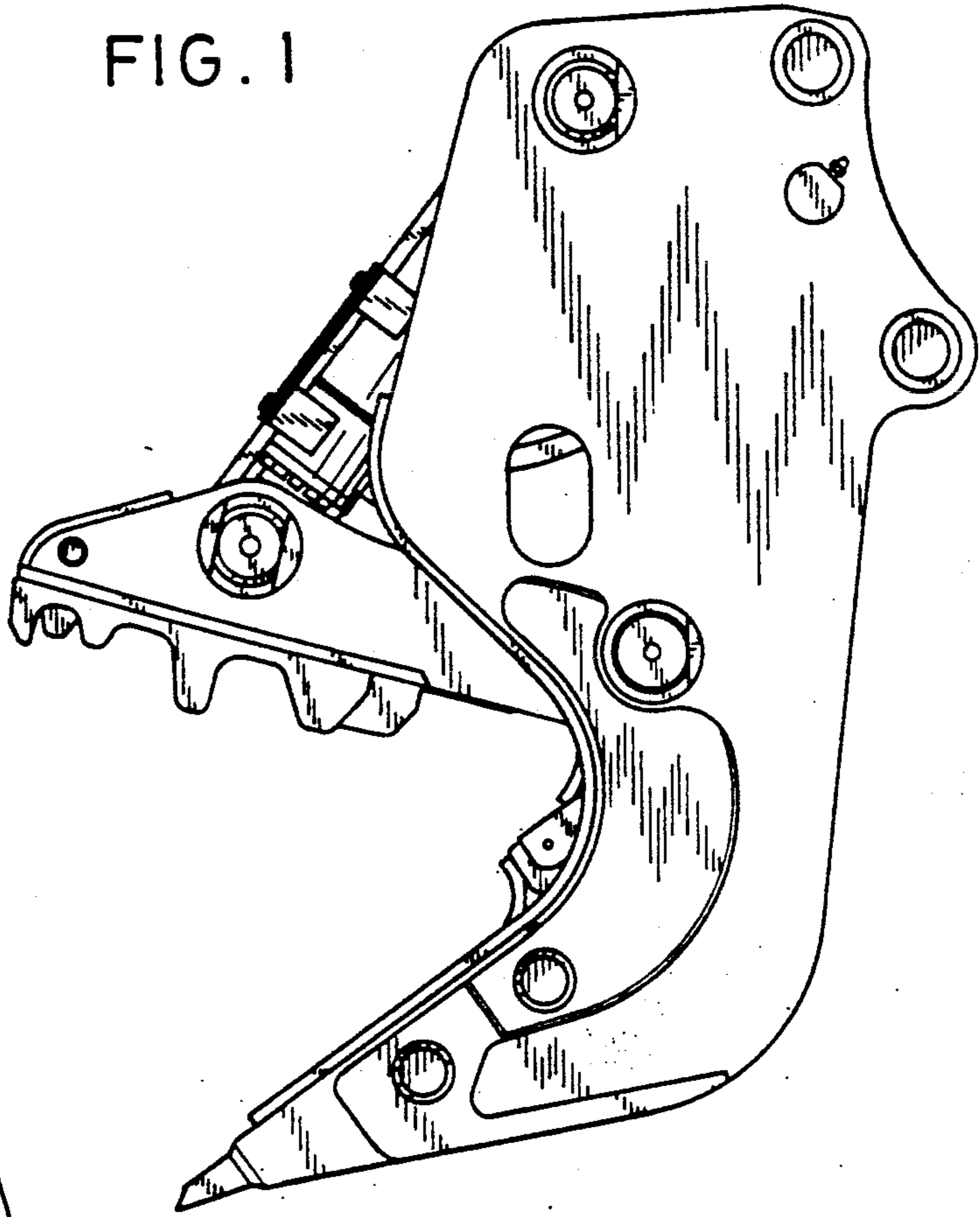


FIG. 2

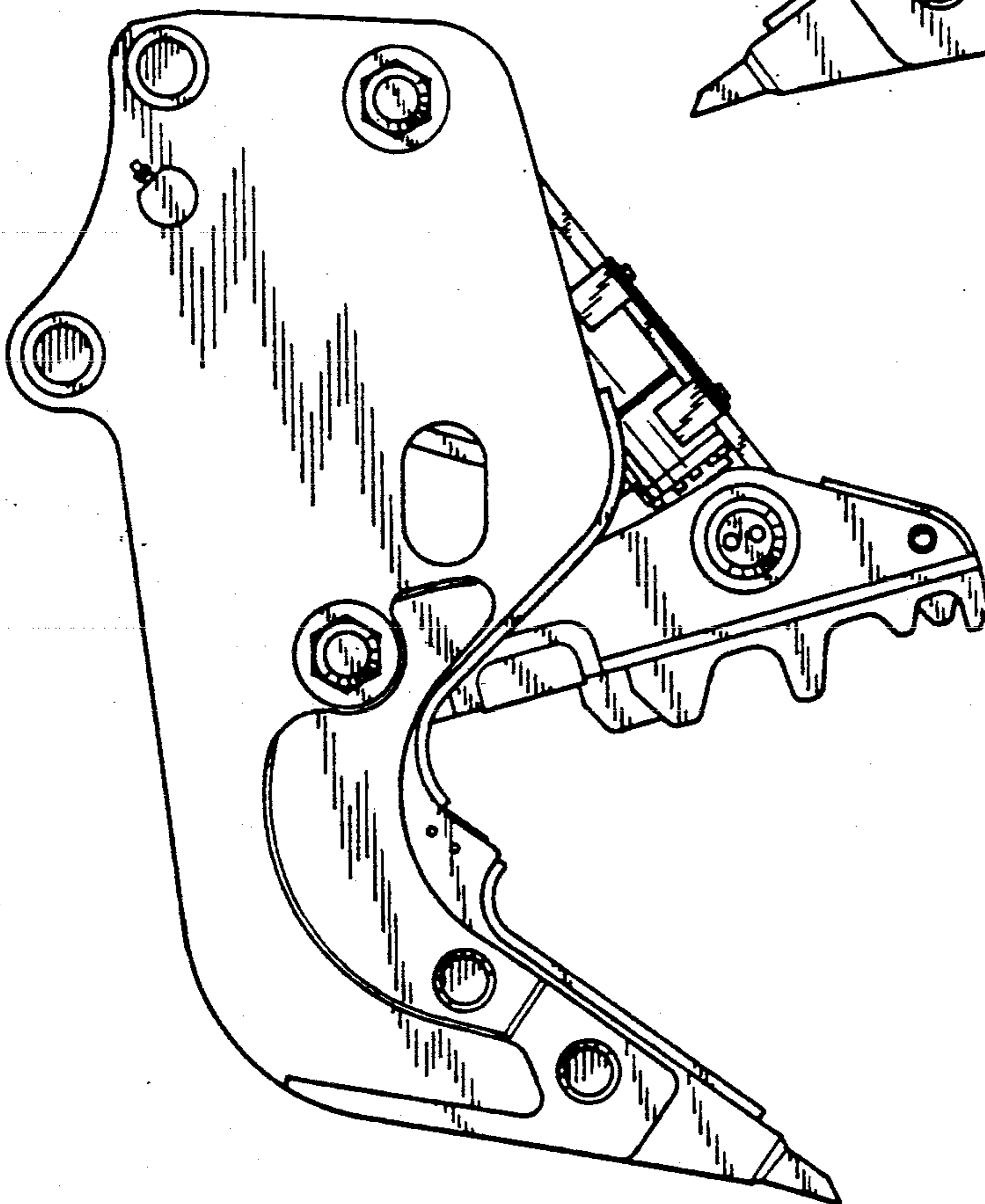


FIG. 3

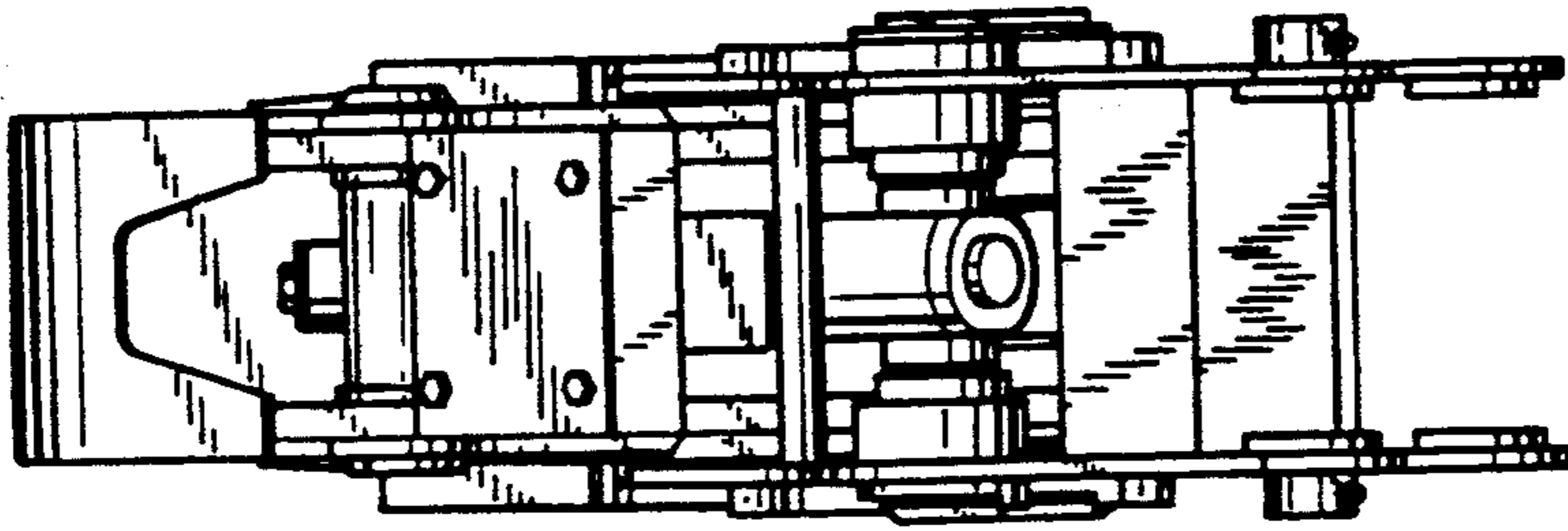


FIG. 4

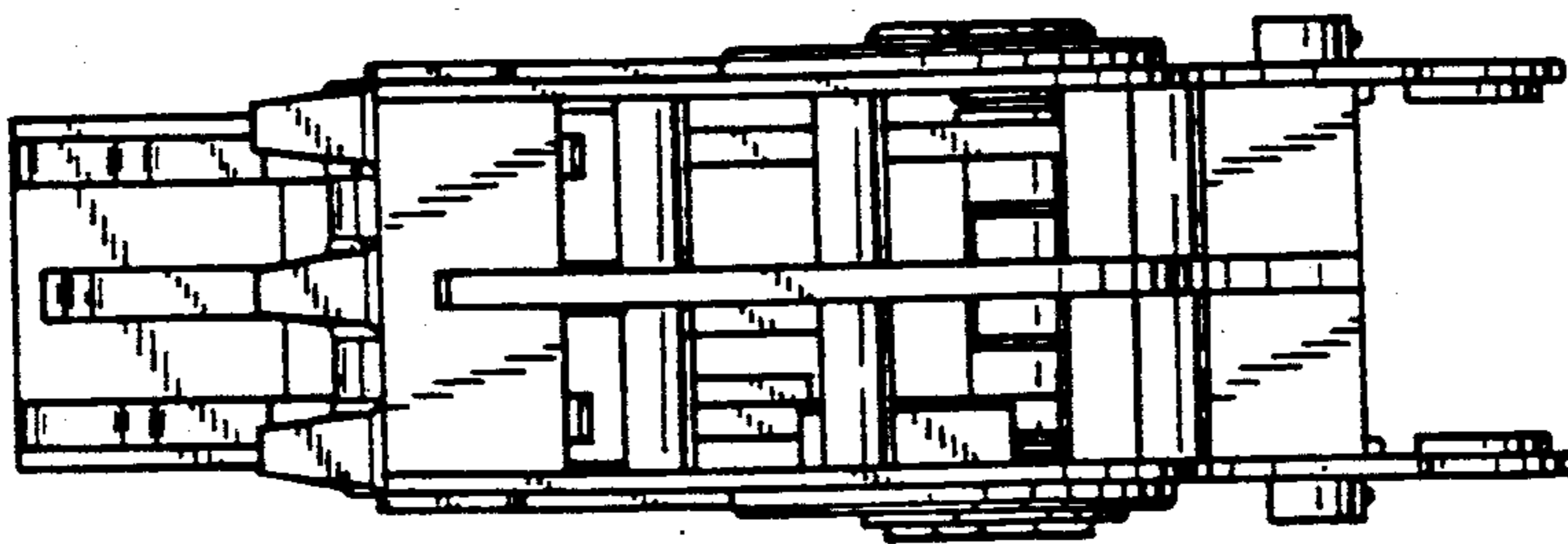


FIG. 5

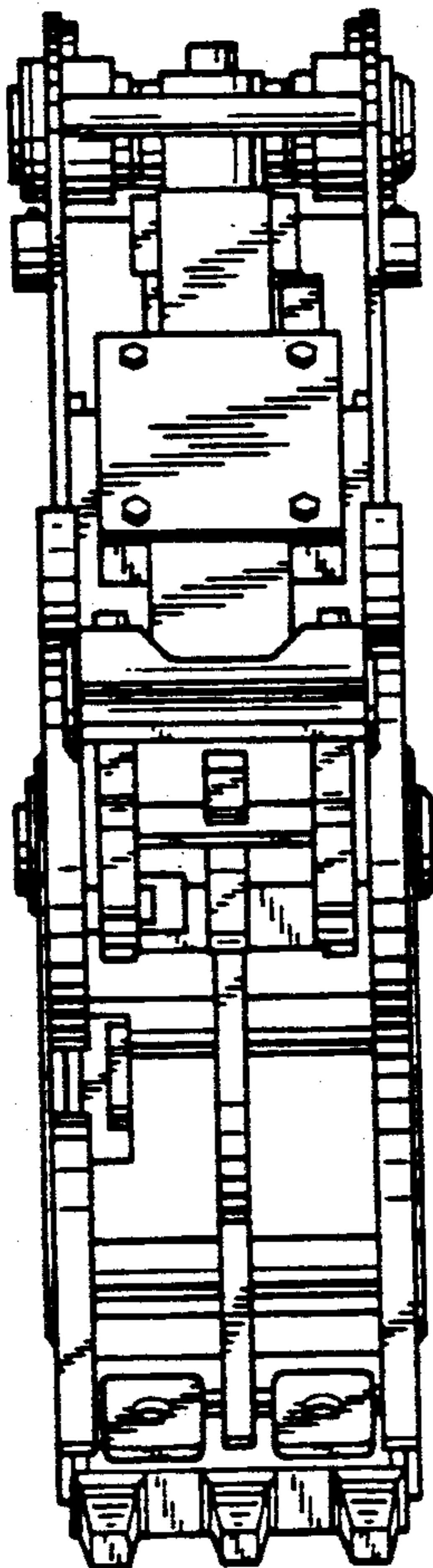


FIG. 6

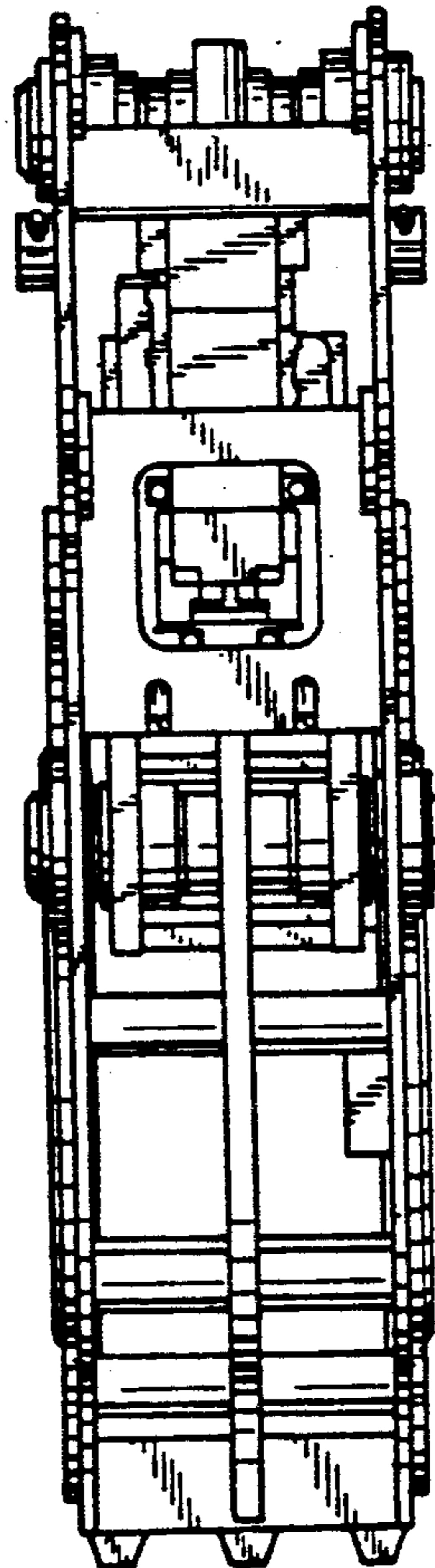


FIG. 7

