



US00D523210S

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

(10) **Patent No.: US D523,210 S**
(45) **Date of Patent: ** Jun. 13, 2006**

(54) **BLOCK BECKET FOR USE IN A WELLBORE DERRICK**

4,813,493 A 3/1989 Shaw et al. 173/164

(Continued)

(75) Inventors: **Robert Alden Folk**, Calgary (CA);
Steven Lorne Folk, Sherwood Park (CA)

OTHER PUBLICATIONS

(73) Assignee: **Varco I/P, Inc.**, Houston, TX (US)

An Overview of Top-Drive Drilling Systems Applications and Experiences, G.I. Boyadjieff, 1ADC/SPE 14716, 8 pp. 1986.

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

Varco Pioneers AC Top Drive, Engineering Award Winners, AC Top Drive Technology Update #1. Hart's Petroleum Engineer, 4 pp., Apr. 1997.

(21) Appl. No.: **29/208,313**

Challenger Rig & Mfg., Inc., Doghouse, Composite Catalog 1982-83., p. 1984-C, 1982.

(22) Filed: **Jun. 24, 2004**

Ac Top Drive Technology Update #2, Varco Systems, 1 p. Prior to 2002.

Related U.S. Application Data

Top Drive Drilling System TD 500 PAC Variable Frequency AC Top Drive, National Oilwell, 6 pp., 2002.

(62) Division of application No. 10/862,787, filed on Jun. 7, 2004.

1000 Ton AC Top Drive—TDS—1000, Varco Systems, 2 pp., 2002.

(51) **LOC (8) Cl.** **12-05**

750 Ton DC Top Drive TDS—45, Varco Systems, 2 pp., 2002.

(52) **U.S. Cl.** **D34/35**

(58) **Field of Classification Search** D34/33,
D34/35; 166/380, 379, 78.1, 77.5, 85.1; 175/162,
175/52, 85, 203; 173/213

500 Ton DC Top Drive IDS—1, Varco Systems, 2 pp., 2002.
Varco's Top Drive Systems are advancing the technology of drilling, Varco Systems, 8 pp., 2001.

See application file for complete search history.

Primary Examiner—Cynthia E. Ramirez

(56) **References Cited**

(74) *Attorney, Agent, or Firm*—Guy McClung

U.S. PATENT DOCUMENTS

(57) **CLAIM**

3,242,991 A *	3/1966	Johnson et al.	166/352
3,826,317 A *	7/1974	Pereau	175/162
4,010,600 A	3/1977	Poole et al.	57/129
4,115,911 A	9/1978	Poole et al.	29/402.12
4,205,423 A	6/1980	Poole et al.	29/402.11
4,421,179 A	12/1983	Boyadjieff	173/44
4,449,596 A	5/1984	Boyadjieff	175/85
4,458,768 A	7/1984	Boyadjieff	175/85
4,529,045 A	7/1985	Boyadjieff et al.	173/164
4,589,503 A	5/1986	Johnson et al.	175/113
4,593,773 A *	6/1986	Skeie	175/85
4,605,077 A	8/1986	Boyadjieff	175/85
4,629,014 A *	12/1986	Swisher et al.	175/220
4,753,300 A	6/1988	Shaw et al.	173/164
4,759,239 A	7/1988	Hamilton et al.	81/57.34
4,793,422 A	12/1988	Krasnov	175/57
4,800,968 A	1/1989	Shaw et al.	175/85

The ornamental design for a block becket for use in a wellbore derrick, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a design for a block becket for use in a wellbore derrick according to the present invention.

FIG. 2 is a top view of the block becket of FIG. 1.

FIG. 3 is a first side view of the block becket of FIG. 1.

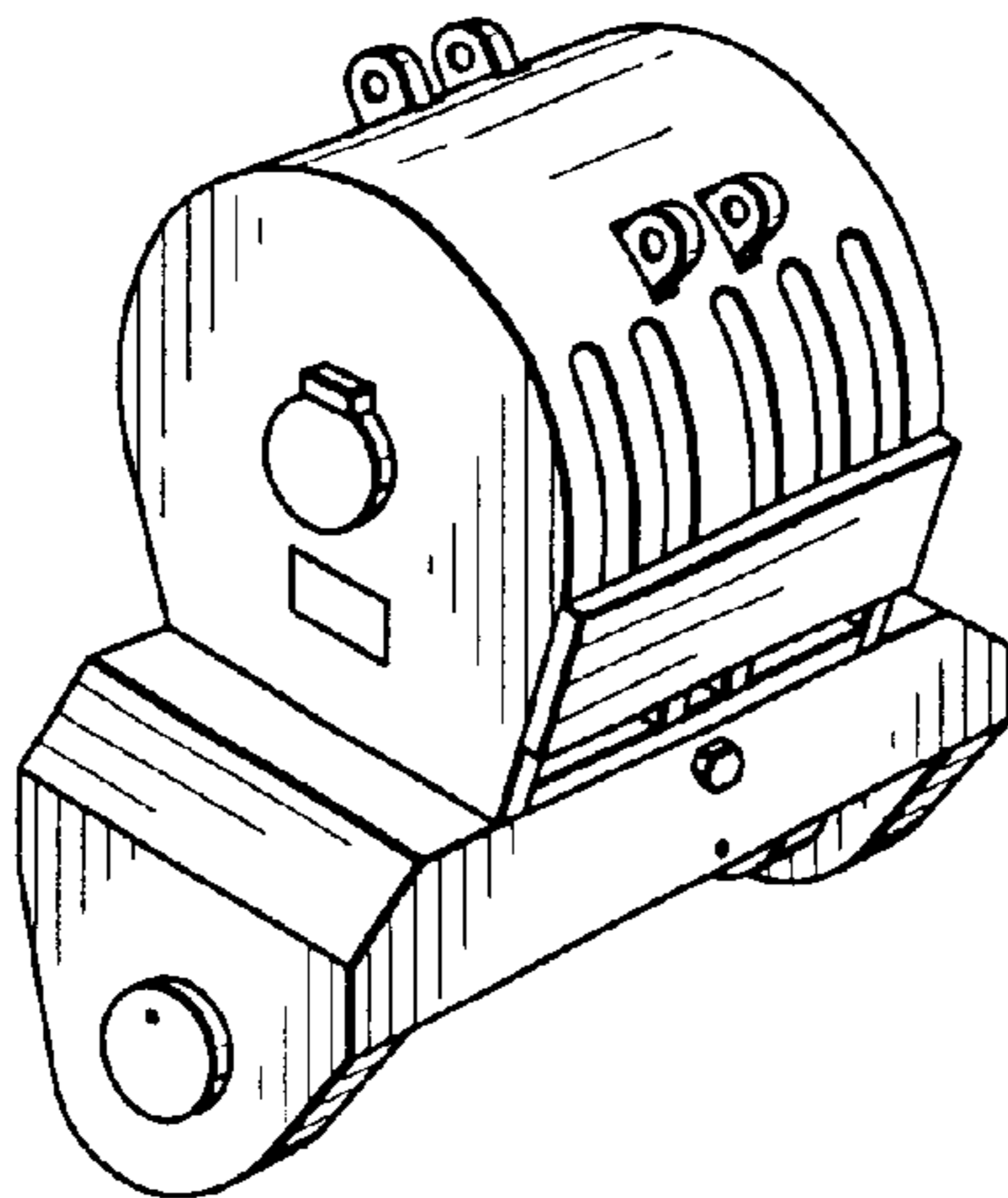
FIG. 4 is a bottom view of the block becket of FIG. 1.

FIG. 5 is a second side view of the block becket of FIG. 1, opposite the first side shown in FIG. 3.

FIG. 6 is a front view of the block becket of FIG. 1; and,

FIG. 7 is a rear view of the block becket of FIG. 1.

1 Claim, 1 Drawing Sheet



US D523,210 S

Page 2

U.S. PATENT DOCUMENTS

4,854,383	A	8/1989	Arnold et al.	166/70	6,276,450	B1	8/2001	Seneviratne	166/85.1
4,865,135	A	9/1989	Moses	175/57	6,425,441	B1 *	7/2002	Shaaban et al.	166/77.3
4,878,546	A	11/1989	Shaw et al.	173/163	6,527,047	B1	3/2003	Pietras	166/77.51
5,038,871	A	8/1991	Dinsdale	175/52	6,536,520	B1	3/2003	Snider et al.	166/78.1
5,107,940	A	4/1992	Berry	175/85	6,557,629	B1 *	5/2003	Wong et al.	166/76.1
5,251,709	A *	10/1993	Richardson	175/220	6,575,241	B1 *	6/2003	Widney et al.	166/242.2
5,255,751	A	10/1993	Stogner	175/203	D479,378	S *	9/2003	Simpson	D34/35
5,381,867	A	1/1995	Berry	175/85	6,622,796	B1	9/2003	Pietras	166/379
5,388,651	A	2/1995	Berry	175/85	6,672,410	B1 *	1/2004	Smith	175/122
5,433,279	A	7/1995	Tessari et al.	173/213	6,679,333	B1	1/2004	York et al.	166/379
5,501,286	A	3/1996	Berry	175/52	6,688,398	B1	2/2004	Pietras	166/380
5,755,296	A	5/1998	Richardson et al.	175/162	6,705,405	B1	3/2004	Pietras	166/380
5,853,118	A *	12/1998	Avakov	226/173	6,725,938	B1	4/2004	Pietras	166/380
6,024,181	A	2/2000	Richardson et al.	175/162	6,742,596	B1	6/2004	Haugen	166/380
6,073,699	A *	6/2000	Hollingsworth, Jr.	166/379	6,763,898	B1 *	7/2004	Roodenburg et al.	175/7
6,173,769	B1 *	1/2001	Goode	166/77.3	6,880,629	B1 *	4/2005	Schroeder	166/77.3
6,189,609	B1 *	2/2001	Shaaban et al.	166/77.3	6,920,956	B1 *	7/2005	Falco	181/135
6,230,955	B1 *	5/2001	Parks	226/190					

* cited by examiner

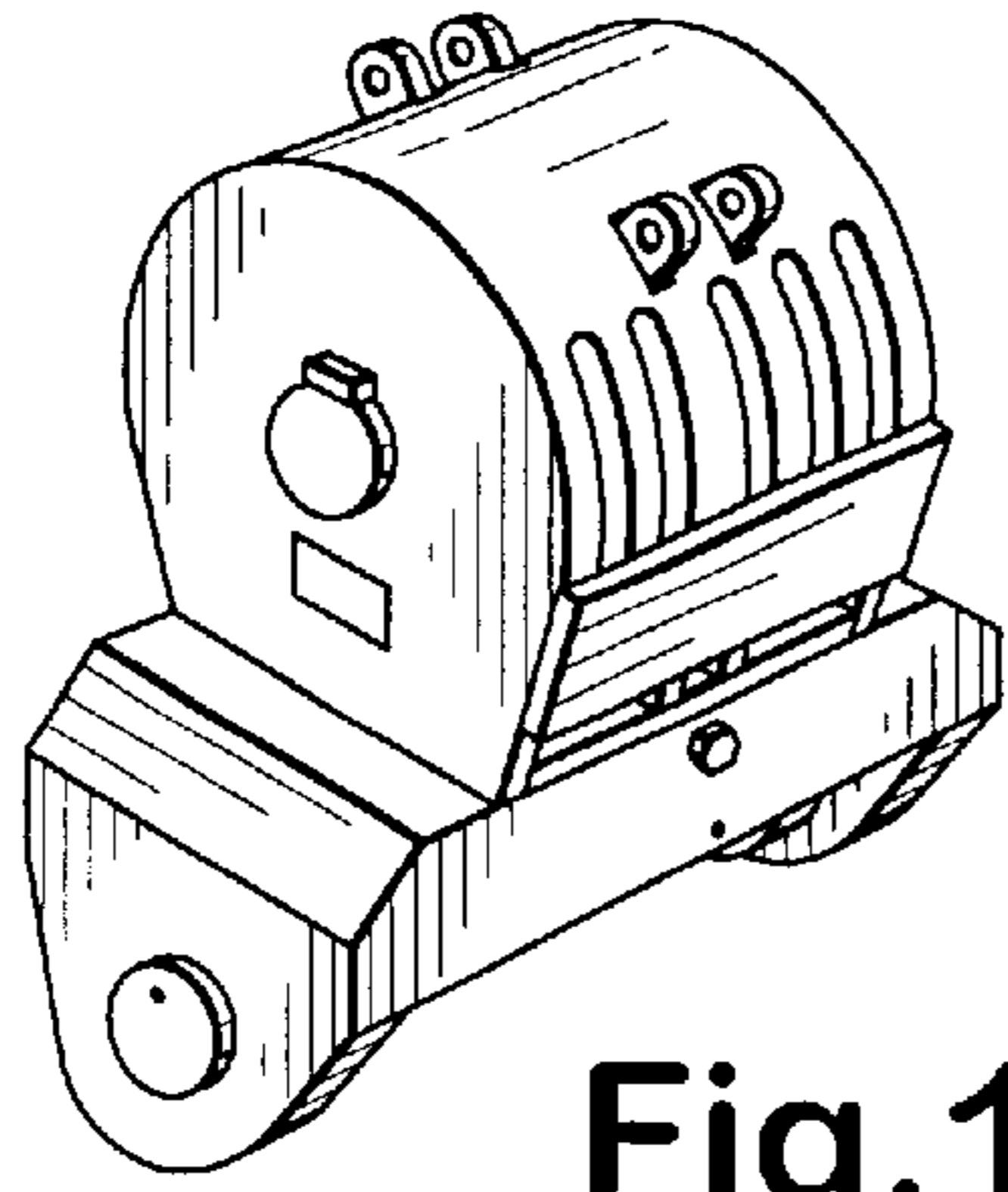


Fig.1

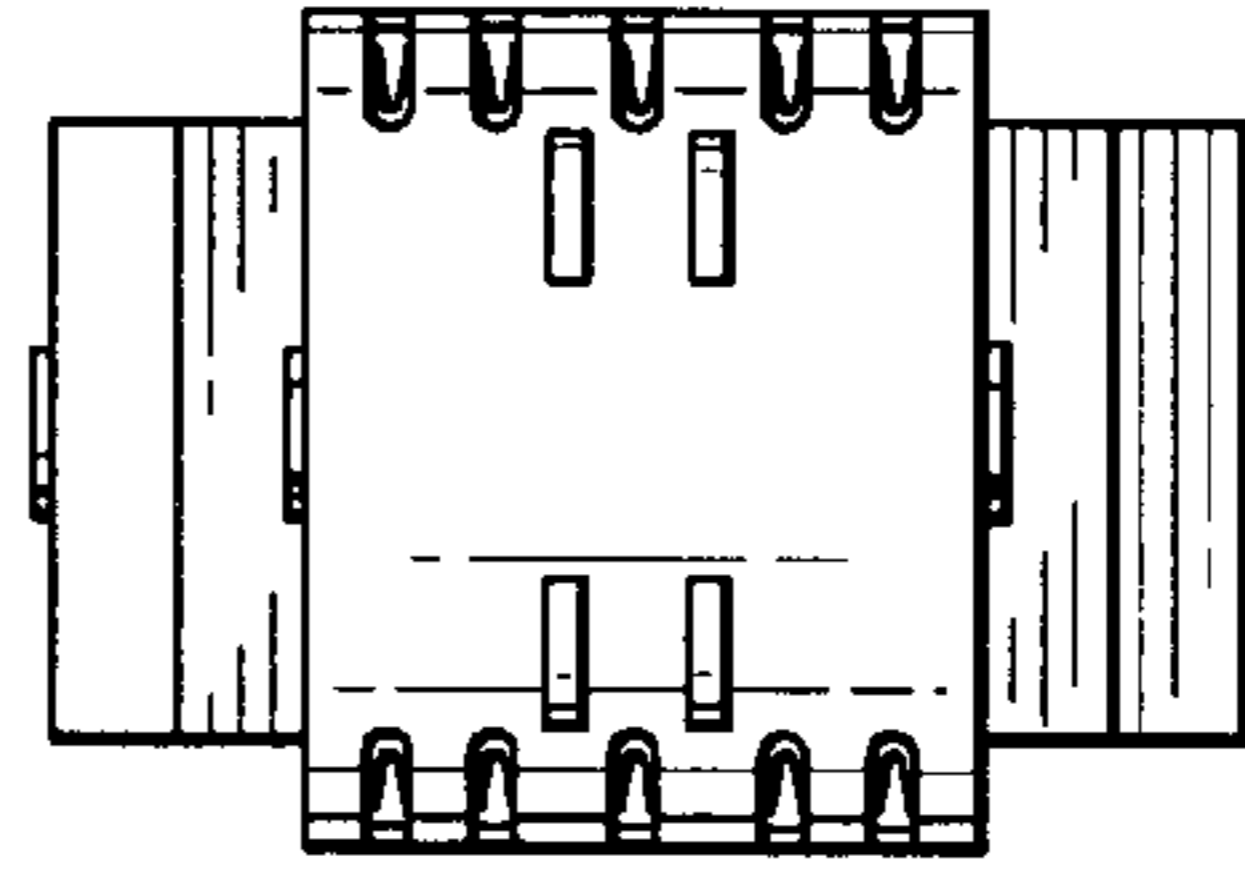


Fig.2

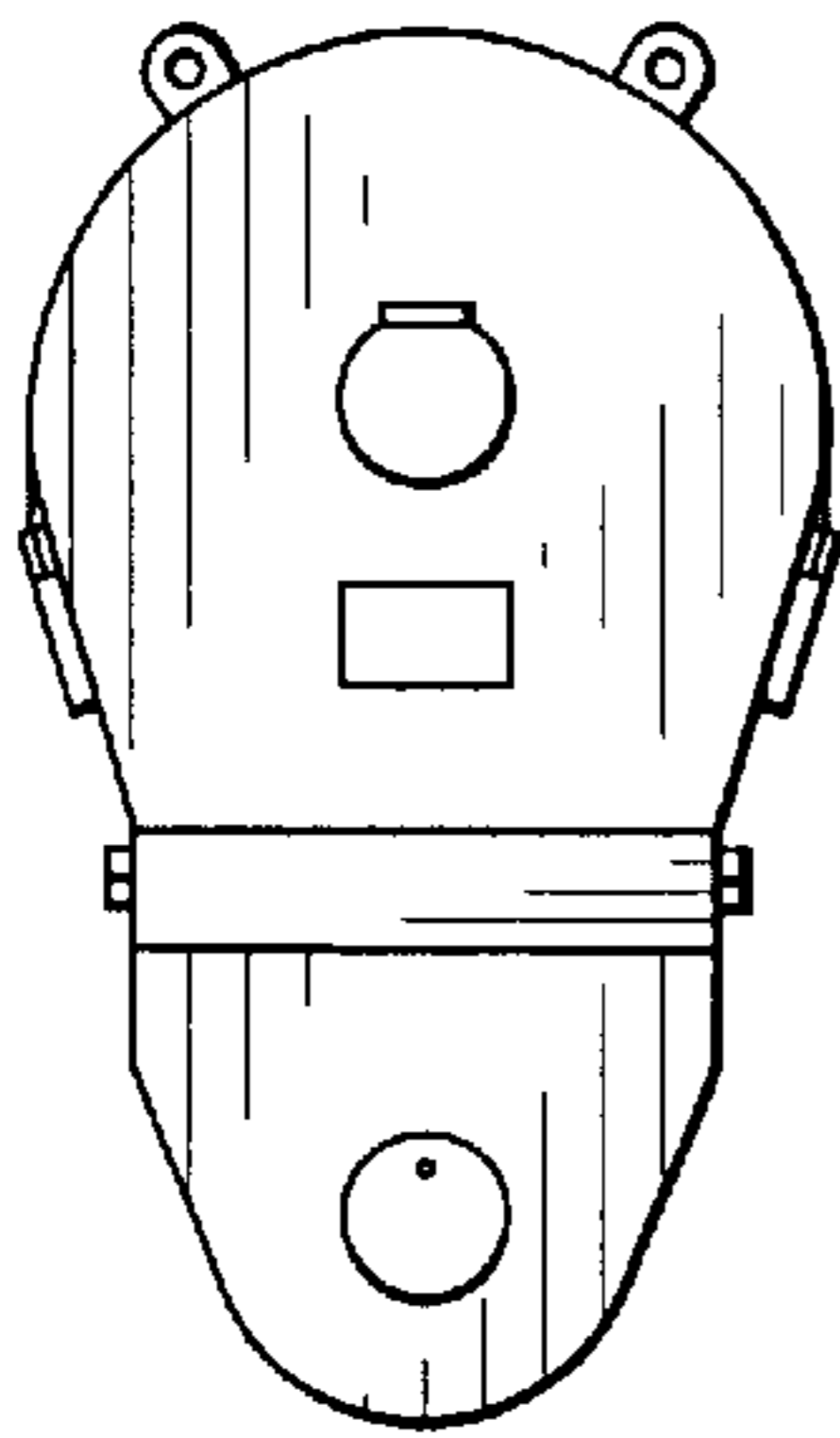


Fig.3

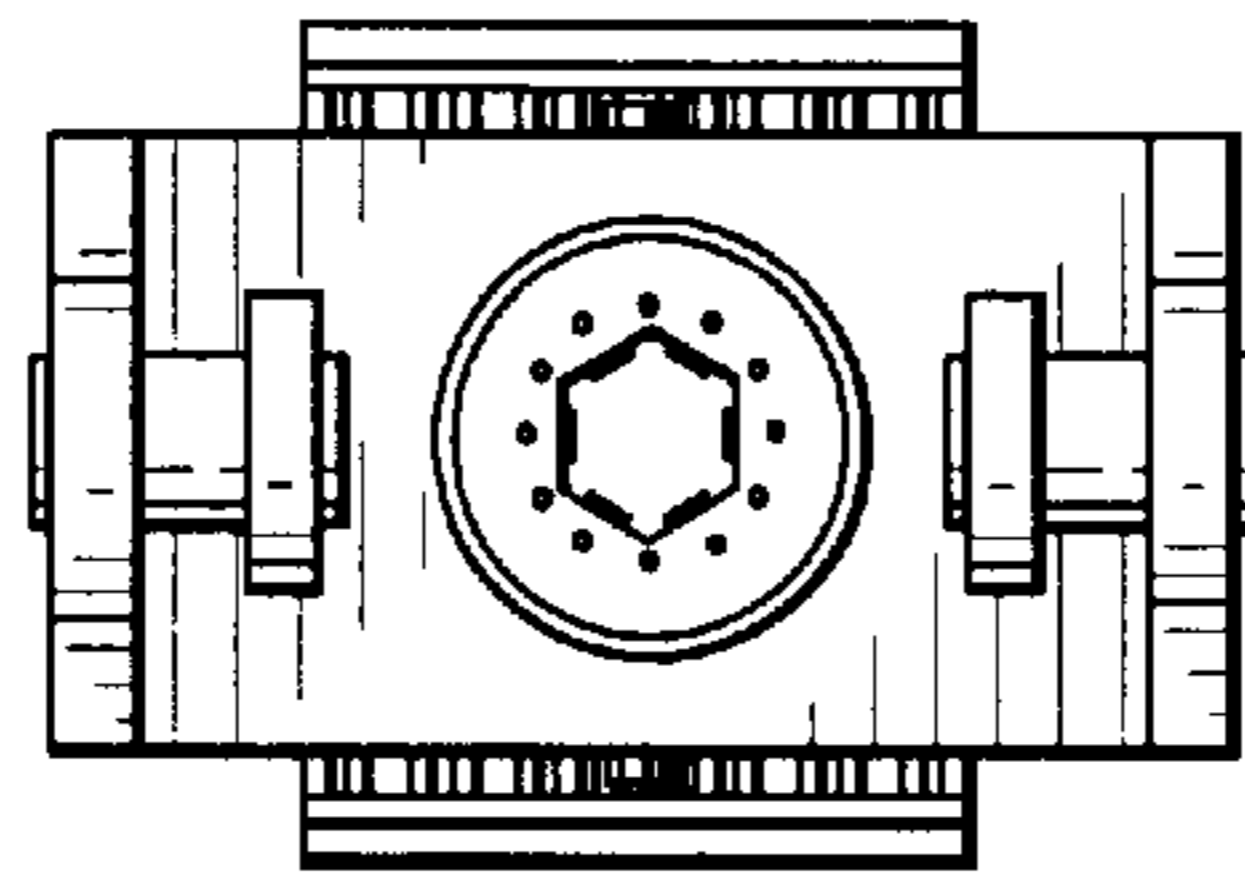


Fig.4

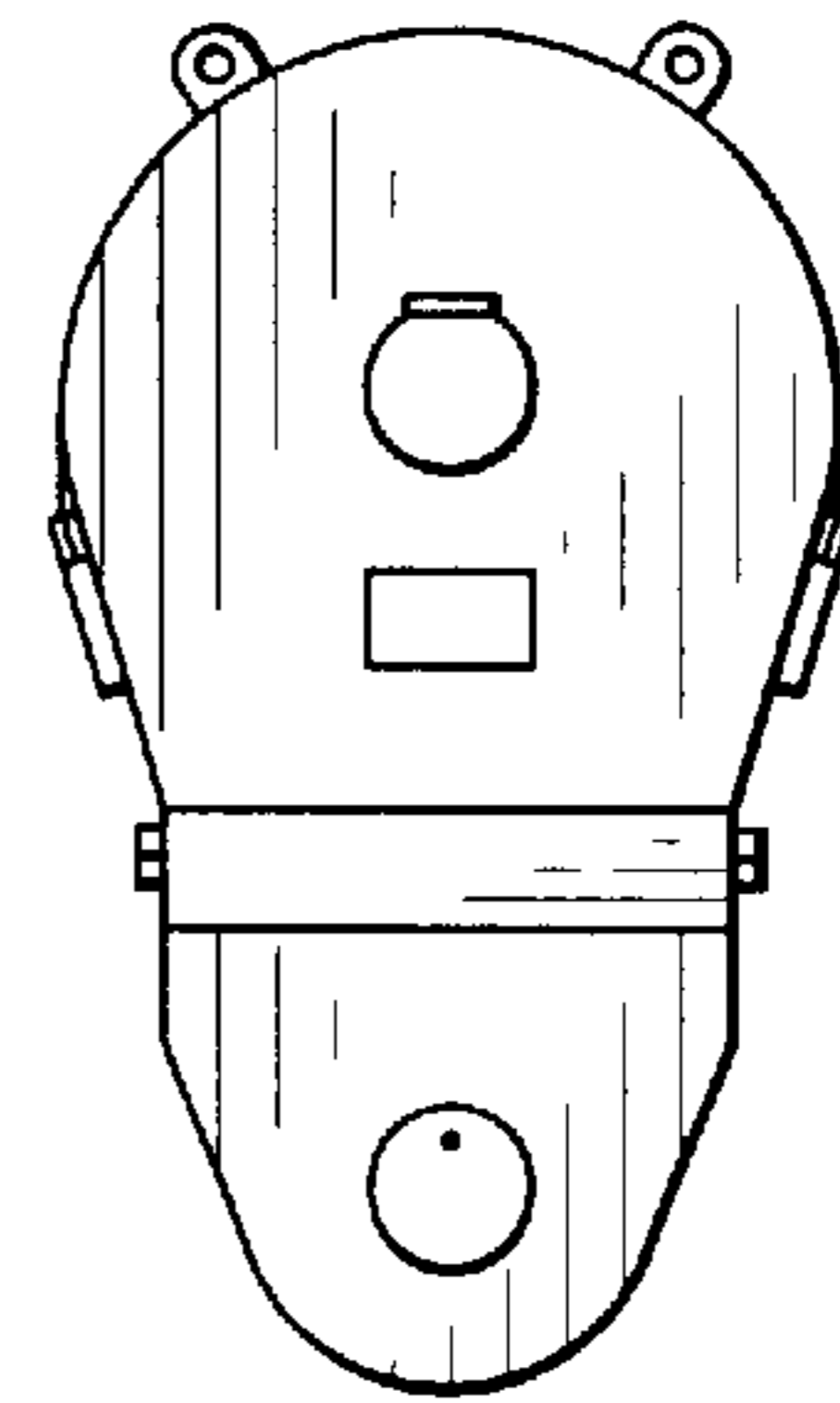


Fig.5

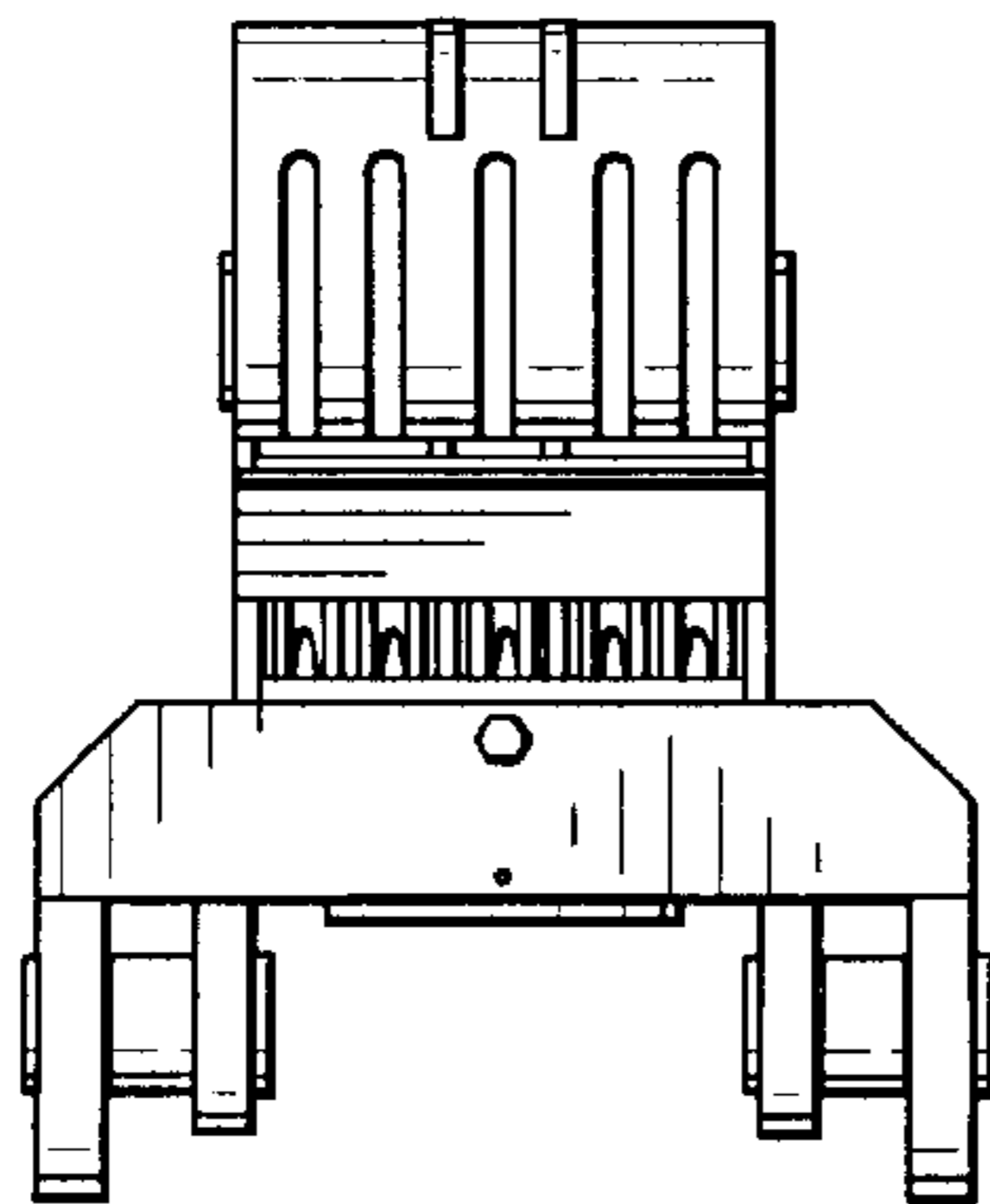


Fig.6

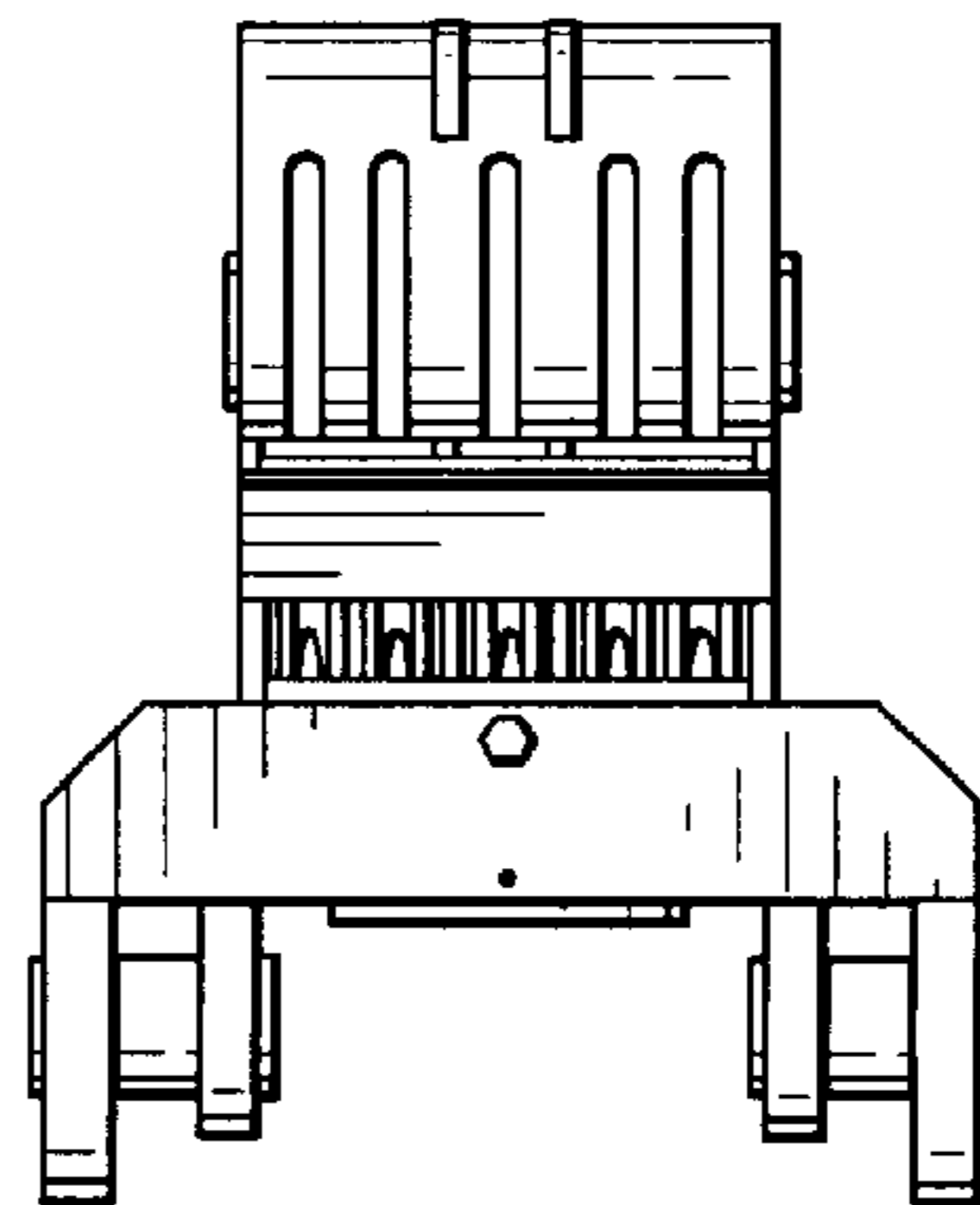


Fig.7