



US00D514514S

(12) **United States Design Patent** (10) **Patent No.:** **US D514,514 S**
Franks, Jr. (45) **Date of Patent:** **** Feb. 7, 2006**

(54) **CONTACT PLATE**

- (75) Inventor: **George J. Franks, Jr.**, Inverness, IL (US)
- (73) Assignee: **Senior Industries, Inc.**, Wood Dale, IL (US)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/197,604**
- (22) Filed: **Jan. 16, 2004**

Related U.S. Application Data

- (63) Continuation-in-part of application No. 10/417,306, filed on Apr. 14, 2003, now Pat. No. 6,877,996, which is a continuation-in-part of application No. 10/319,106, filed on Dec. 13, 2002, now abandoned, and a continuation-in-part of application No. 29/175,063, filed on Jan. 29, 2003, now Pat. No. Des. 487,427, and a continuation-in-part of application No. 29/175,064, filed on Jan. 29, 2003, now Pat. No. Des. 486,791.
- (51) **LOC (8) Cl.** **13-03**
- (52) **U.S. Cl.** **D13/133**
- (58) **Field of Classification Search** **D13/133, D13/154; 439/92, 94, 95, 96, 97, 98, 99, 439/100, 101, 106, 108, 386, 810**
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 63,848 A 4/1867 Bruso
- 106,900 A 8/1870 Wharton
- 759,414 A 5/1904 Bishop

(Continued)

FOREIGN PATENT DOCUMENTS

- CA 603254 8/1960
- CA 968431 5/1975
- DE 1132999 7/1962

OTHER PUBLICATIONS

Trauffer, Arthur, "Snap-On Ground Clamp", *Radio & Television News*, Feb. 1954 (1 page).
Senior Industries, Inc. product literature entitled "Meter Box Ground Clamp" (date prior to Dec. 13, 2001) (1 page).

(Continued)

Primary Examiner—Philip S. Hyder

(74) *Attorney, Agent, or Firm*—Bell, Boyd & Lloyd LLC

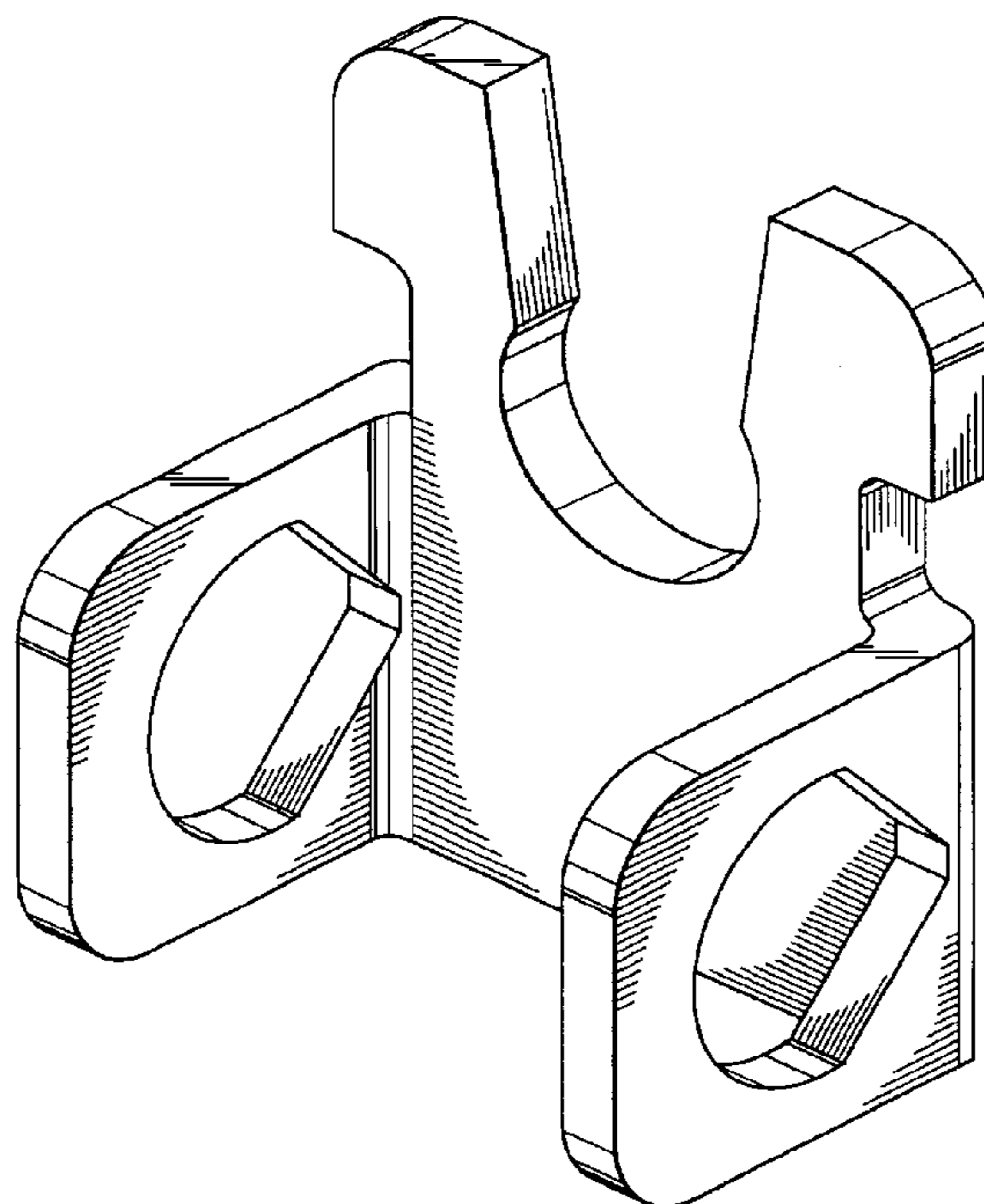
(57) **CLAIM**

I claim the ornamental design for a contact plate, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a contact plate according to my new design;
FIG. 2 is a front elevational view of the contact plate of FIG. 1;
FIG. 3 is a plan view of the contact plate of FIG. 1;
FIG. 4 is a right side elevational view of the contact plate of FIG. 1;
FIG. 5 is a rear elevational view of the contact plate of FIG. 1;
FIG. 6 is a bottom view of the contact plate of FIG. 1; and,
FIG. 7 is a left side elevational view of the contact plate of FIG. 1.

1 Claim, 2 Drawing Sheets



US D514,514 S

U.S. PATENT DOCUMENTS

926,030	A	6/1909	Stout
933,311	A	9/1909	Klein
982,995	A	1/1911	Rogers
1,205,374	A	11/1916	Marcus
1,210,764	A	1/1917	Cole
1,349,225	A	8/1920	Rosenblum
1,408,301	A	2/1922	Jeter
1,486,560	A	3/1924	Becker
1,540,249	A	6/1925	Brown
1,552,932	A	9/1925	Kessler
1,597,169	A	8/1926	Taylor
1,652,191	A	12/1927	Withers
1,675,163	A	6/1928	Colburn
1,690,220	A	11/1928	Fahnestock
1,727,219	A	9/1929	Scharf et al.
1,794,976	A	3/1931	Mueller
1,810,901	A	6/1931	Bormann et al.
1,813,448	A	7/1931	Horton
1,910,022	A	5/1933	Legg
1,941,905	A	1/1934	Mair
1,986,028	A	1/1935	Terry
1,997,091	A	4/1935	Usselman
2,040,438	A	5/1936	Johnson
2,107,835	A	2/1938	Pierce
2,260,136	A	10/1941	Bergan
2,270,807	A	1/1942	Johnson
2,299,146	A	10/1942	Hubbard
2,420,895	A	5/1947	Merriman
2,423,627	A	7/1947	Tinnerman
2,458,413	A	1/1949	Pennell
2,529,153	A	11/1950	Hain
2,532,068	A	11/1950	Larsen
2,547,932	A	4/1951	Downs, Jr.
2,632,068	A	3/1953	Froebel et al.
2,710,381	A	6/1955	Monson
2,733,492	A	2/1956	Copell
2,811,704	A	10/1957	Newman
2,831,222	A	4/1958	Anderson
2,948,940	A	8/1960	Degener
2,970,287	A	1/1961	Gill
3,021,581	A	2/1962	Cook et al.
3,068,445	A	12/1962	Crowther
D197,417	S	1/1964	Kirkpatrick
3,129,994	A	4/1964	Harmon et al.
3,166,632	A	1/1965	Woodman
3,188,602	A	6/1965	Toedtman et al.
3,260,986	A	7/1966	Staffel
3,363,219	A	1/1968	Hubbard et al.
3,363,310	A	1/1968	Stinson, Jr.
3,435,126	A	3/1969	Hamilton
3,528,050	A	9/1970	Hindenburg
3,562,694	A	2/1971	Howe
3,568,128	A	3/1971	Taylor
3,694,794	A	9/1972	Hein
3,760,341	A	9/1973	Grad
3,781,757	A	12/1973	Barnes
3,850,490	A	11/1974	Zehr
3,914,001	A	10/1975	Nelson et al.
D243,404	S	2/1977	Mooney et al.
4,014,504	A	3/1977	Sachs
4,325,598	A	4/1982	Leonardo
4,355,852	A	10/1982	Bachle
4,440,374	A	4/1984	Achille
4,461,521	A	7/1984	Sachs
4,476,759	A	10/1984	Aderneck
4,526,428	A	7/1985	Sachs
4,529,261	A	7/1985	Stenz et al.
4,538,879	A	9/1985	Wagener
4,591,229	A	5/1986	Sachs
4,626,051	A	12/1986	Franks, Jr.

4,664,469	A	5/1987	Sachs
4,742,981	A	5/1988	Converse
D296,545	S	7/1988	Sachs
D296,546	S	7/1988	Sachs
D296,547	S	7/1988	Sachs
D297,410	S	8/1988	Sachs
4,768,963	A	9/1988	Barron
4,776,808	A	10/1988	Davidson
4,778,413	A	10/1988	Saarinen
4,780,096	A	10/1988	Franks, Jr.
4,784,621	A	11/1988	Auclair
4,828,504	A	5/1989	Franks, Jr.
4,884,976	A	12/1989	Franks, Jr.
4,904,193	A	2/1990	Graves
4,917,615	A	4/1990	Franks, Jr.
4,925,395	A	5/1990	Franks, Jr.
D312,038	S	11/1990	Sachs
4,973,259	A	11/1990	Sachs
D313,392	S	1/1991	Sachs
4,993,960	A	2/1991	Franks, Jr.
5,006,074	A	4/1991	Franks, Jr.
5,015,205	A	5/1991	Franks, Jr.
D323,973	S	2/1992	Sachs
D325,564	S	* 4/1992	Lemke D13/154
5,114,354	A	5/1992	Franks, Jr.
D329,014	S	9/1992	Sachs
D335,079	S	4/1993	Sachs
D340,226	S	10/1993	Sachs
D340,389	S	* 10/1993	Yamanashi D8/14
D343,385	S	1/1994	Sachs
D344,886	S	3/1994	Sachs
D351,825	S	10/1994	Sachs
5,370,345	A	12/1994	Condon
D357,400	S	4/1995	Sachs
D362,174	S	9/1995	Sachs
D364,332	S	11/1995	Sachs
D367,259	S	2/1996	Sachs
D369,780	S	5/1996	Sachs
5,681,191	A	10/1997	Robicheau et al.
5,746,609	A	5/1998	Franks, Jr.
D395,997	S	7/1998	Coll et al.
D406,813	S	3/1999	Coll et al.
5,928,006	A	7/1999	Franks, Jr.
6,252,166	B1	6/2001	Leschinger
6,283,771	B1	9/2001	Mitchell et al.
D459,302	S	6/2002	Malin
D459,304	S	6/2002	Malin
D459,305	S	6/2002	Malin
D459,306	S	6/2002	Malin
D464,322	S	* 10/2002	Hiramoto et al. D13/154
D464,323	S	* 10/2002	Harasawa et al. D13/154
D486,791	S	2/2004	Franks, Jr.
D487,427	S	3/2004	Franks, Jr.

FOREIGN PATENT DOCUMENTS

DE	2108227	9/1972
DE	2741791	7/1978
DE	2713247	9/1978
DE	147294	3/1981
FR	1126748	11/1956
GB	1085499	10/1967
GB	1159264	7/1969
GB	2195837	4/1988
SE	161707	12/1957

OTHER PUBLICATIONS

Senior Industries, Inc. product literature entitled "2 New Ground Clamp Systems" (date prior to Dec. 13, 2001) (1 page).

- Senior Industries, Inc. product literature entitled “Structure Ground Clamps” (date prior to Dec. 13, 2001) (1 page).
- Senior Industries, Inc. product literature entitled “Bonding Ribbon Clamp” (date prior to Dec. 13, 2001) (1 page).
- Senior Industries, Inc. product literature entitled “Grounding Connectors” (date prior to Dec. 13, 2001) (1 page).
- Senior Industries, Inc. product literature for clamps and connectors (date prior to Dec. 13, 2001) (2 pages).
- Senior Industries, Inc. product literature entitled “Universal Ground Clamp” (date prior to Dec. 13, 2001) (1 page).
- Senior Industries, Inc. product literature entitled “B Strand Ground Clamp, Beam Clamp, B Ground Wire Clamp” (date prior to Dec. 13, 2001) (1 page).
- Thomas & Betts product brochure entitled “T&B Telecommunications 40–2000X Grounding Clamp” (1998) (3 pages).
- Diamond Communication Products, Inc. product brochure entitled “Meter Box Ground Clamp” (date prior to Dec. 13, 2001) (1 page).
- Sachs Canada, Inc. product literature entitled “SaxInfo Industry & Product News” (date prior to Dec. 13, 2001) (1 page).
- Sachs Canada, Inc. product literature entitled “SC51–1 Application Procedures” (date prior to Dec. 13, 2001) (1 page).
- Sachs Communications, Inc. product literature entitled “SC51–1 Application Procedures” (date prior to Dec. 13, 2001) (1 page).
- Sachs Canada, Inc. product literature entitled “SC51–2SS Application Procedures” (date prior to Dec. 13, 2001) (1 page).
- Sachs Canada, Inc. product brochure entitled “SC51–2SS Application Procedures” (date prior to Dec. 13, 2001) (1 page).
- Diamond/Sachs Communications Inc. product literature entitled “SC51CF–81 Application Procedures” (date prior to Dec. 13, 2001) (1 page).
- Diamond/Sachs Communications Inc. product literature entitled “SC51CF–85 Application Procedures” (date prior to Dec. 13, 2001) (1 page).
- Sachs Communications Inc. product literature entitled “Bonding Connector” (date prior to Dec. 13, 2001) (1 page).
- Allied Bolt, Inc. product brochure entitled “Drop Wire Hardware” (1998) (1 page).
- Allied Bolt, Inc. product literature entitled “Grounding Hardware” (date prior to Dec. 13, 2001) (1 page).
- Arris TeleWire Supply product literature for Monarch Grounding Products (undated) (1 page).
- Holland Electronics LLC product brochure entitled “Connectors” (2002) (1 page).
- Sachs Canada Inc. product literature entitled “Grounding & Bonding” (1991) (pages GB–1 and GB–2).
- Sachs Canada Inc. product literature entitled “Up Grading Additional Outlets” (1991) (1 page).
- Sachs Canada Inc. product literature entitled “SC42 Bonding Connector Application” (1991) (1 page).
- Sachs Canada Inc. product literature entitled “SaxInfo Industry & Product News” for “SC42–Ground Connector” (date prior to Dec. 13, 2001) (1 page).
- Sachs Canada Inc. product literature entitled “Bonding Cable & Equipment at Pedestal” (1991) (1 page).
- Sachs Canada Inc. product literature entitled “Bonding Connection at Meter Pan” (1991) (1 page).
- Sachs Canada Inc. product brochure entitled “SC51–1 Application Sheet” (date prior to Dec. 13, 2001) (1 page).
- Sachs product brochure entitled “SC51–2SS Application Procedures” (date prior to Dec. 13, 2001) (1 page).
- Sachs Canada Inc. product literature entitled “SC13 Series Ground Strap Application” (1991) (1 page).
- Sachs Canada Inc. product literature entitled “SC13BZ–4 Application Procedures” (dated prior to Dec. 13, 2001) (2 pages).
- Sachs Canada Inc. product literature entitled “Grounding Customer Drops” (1991) (1 page).
- Thomas & Betts “Product Handbook” (1998) (pp. cover page, 66, 67, 71–89, 126, 127, 142, 143).
- Sachs Communications Product Book (1995) (pp. cover, 30–33, 40, 41, 44–47, 56–59, 70, 71, 76–79, 82, 83, 86–90).
- Schram, Peter J., *The National Electric Code Handbook*, Third Edition (1984), National Fire Protection Association, Quincy, Massachusetts, p. 195.

* cited by examiner

Fig. 1

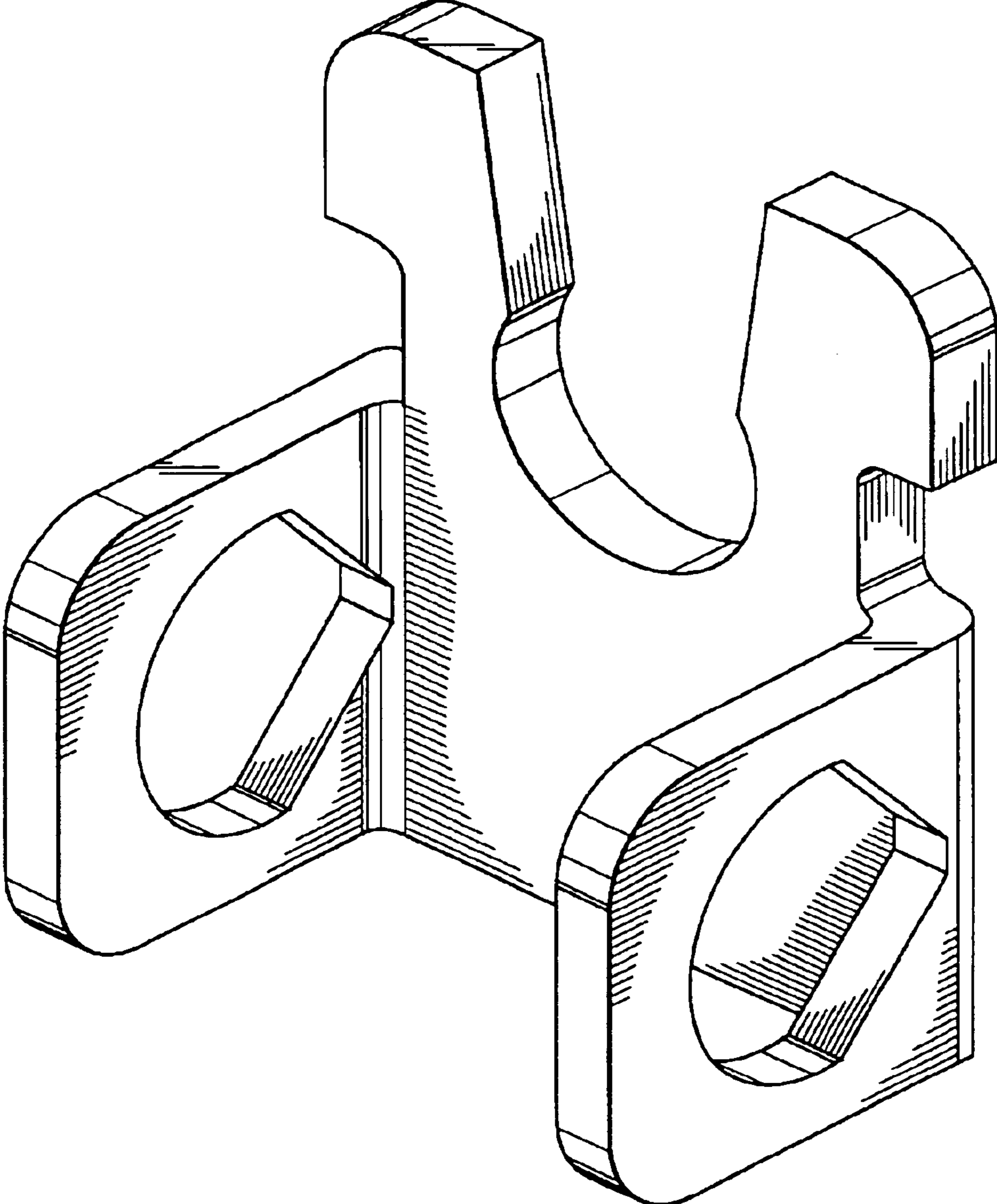


Fig. 2

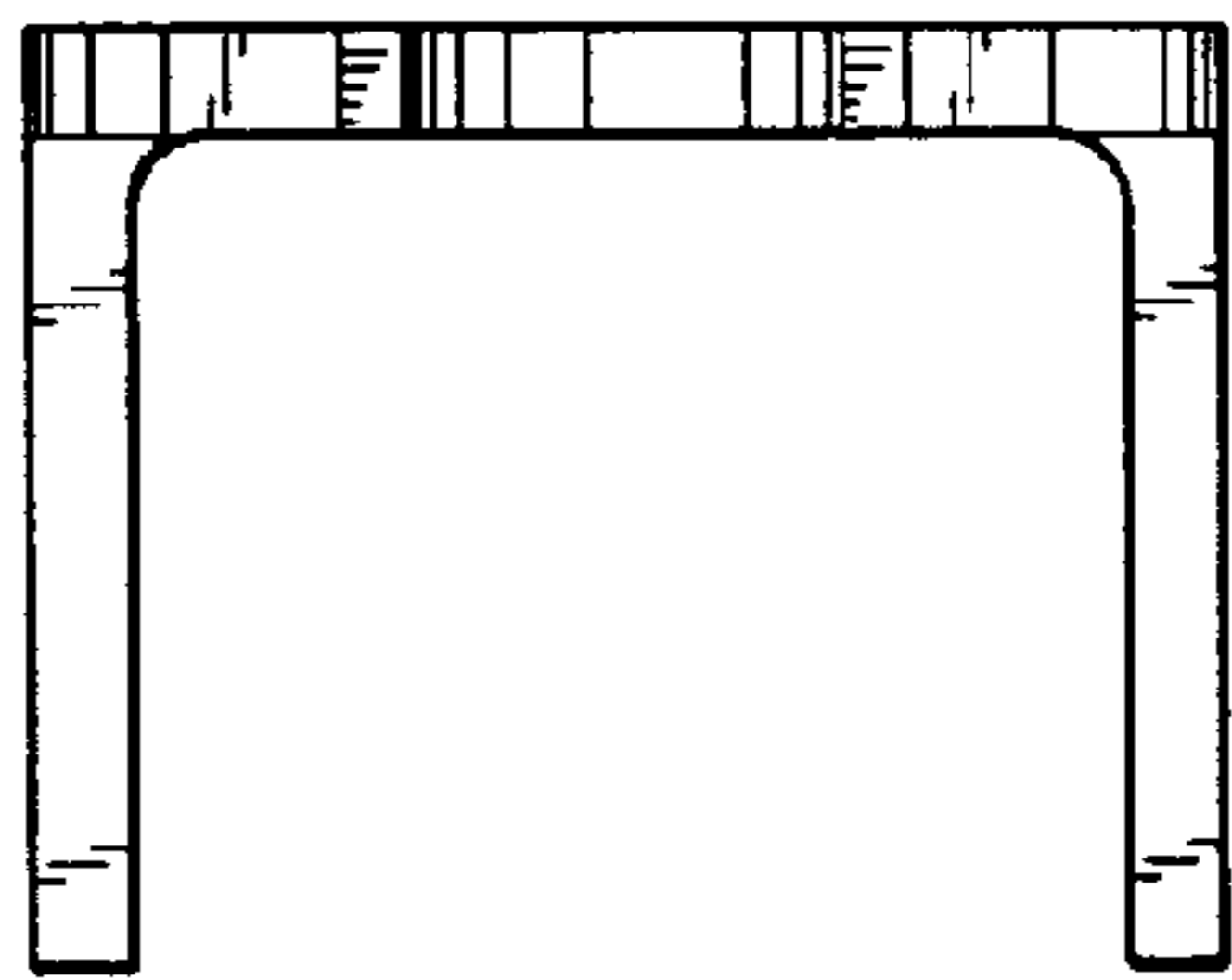


Fig. 3

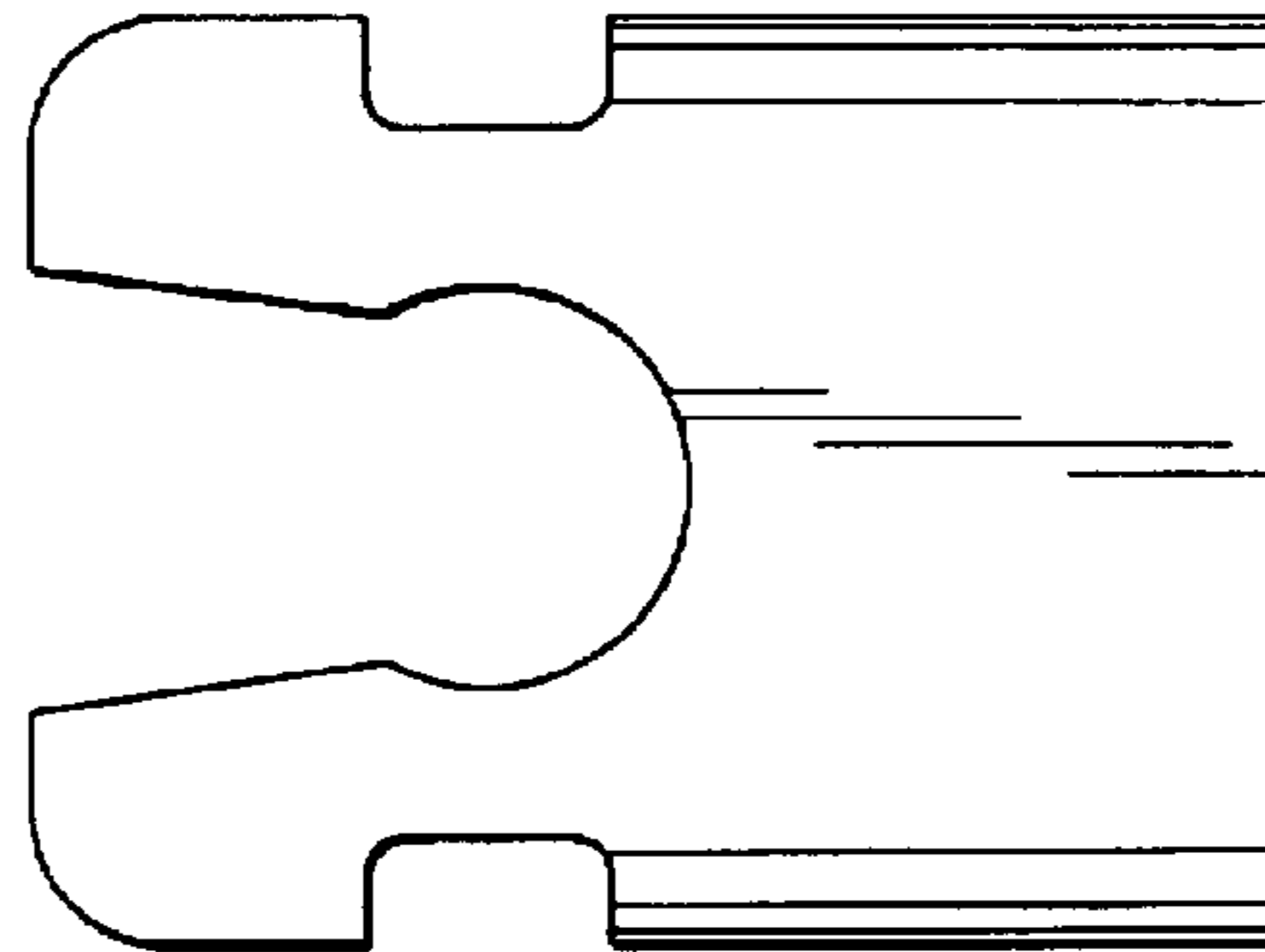


Fig. 4

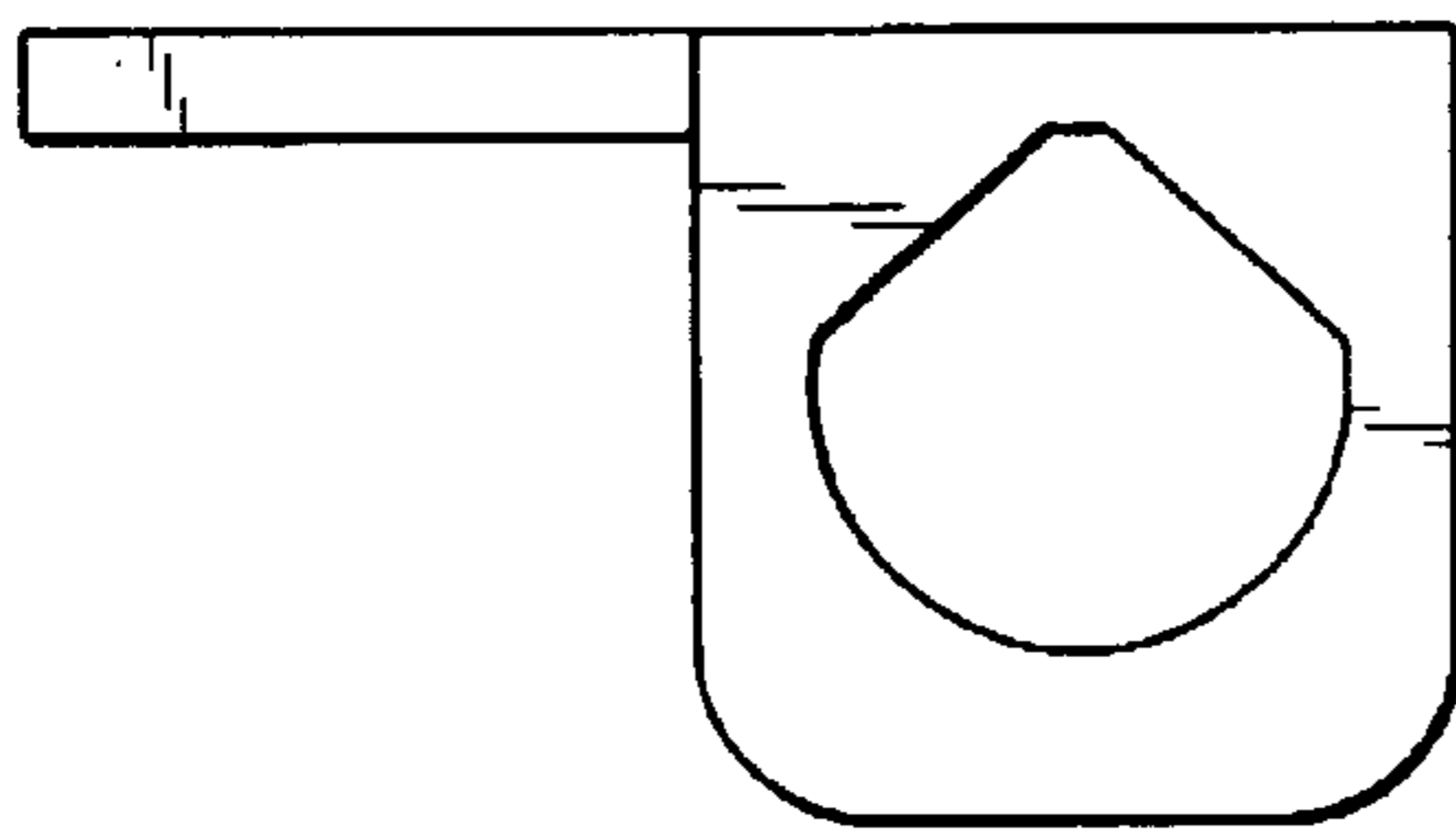


Fig. 5

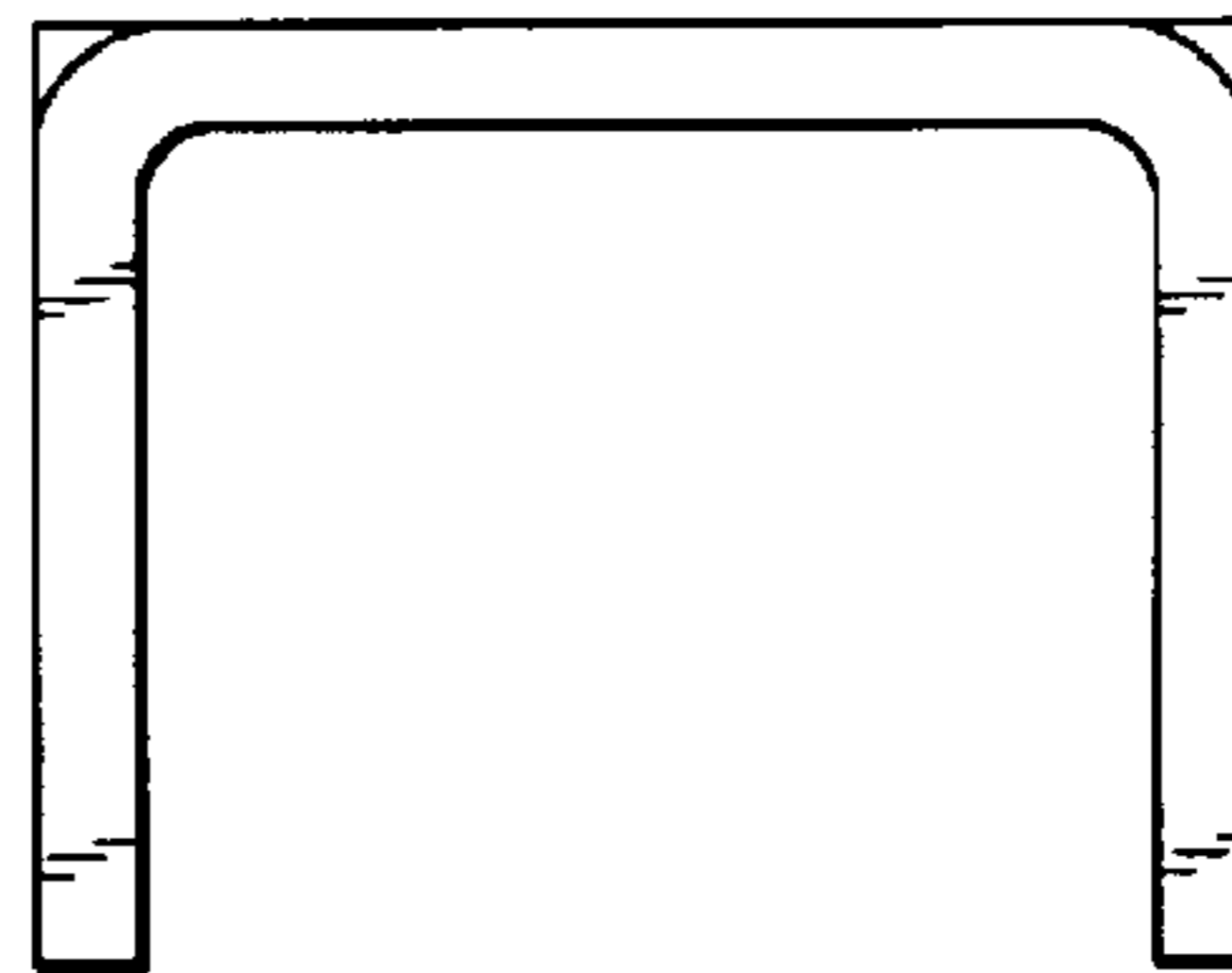


Fig. 6

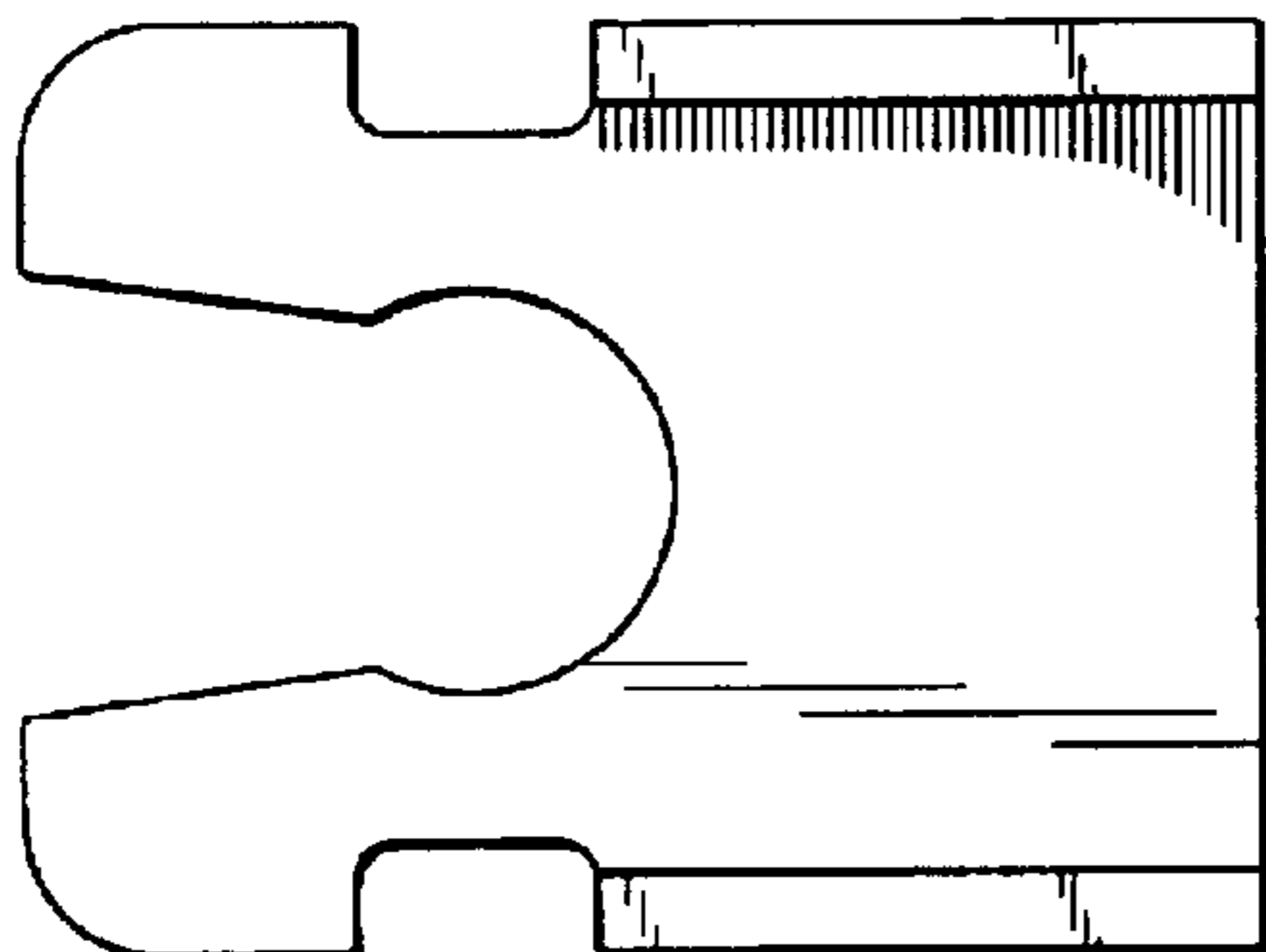


Fig. 7

