US00RE42029E

(19) **United States**

(12) **Reissued Patent**

Raterman et al.

(10) **Patent Number: US RE42,029 E**

(45) **Date of Reissued Patent: Jan. 18, 2011**

(54) **INTAKE PORTION OF A LIQUID DISPENSING VALVE**

(75) Inventors: **John M. Raterman**, Atlanta, GA (US); **Christopher R. Chastine**, Hoschton, GA (US)

(73) Assignee: **Nordson Corporation**, Westlake, OH (US)

(21) Appl. No.: **29/297,729**

(22) Filed: **Nov. 16, 2007**

Related U.S. Patent Documents

Reissue of:

(64) Patent No.: **Des. 536,421**
Issued: **Feb. 6, 2007**
Appl. No.: **29/202,811**
Filed: **Apr. 2, 2004**

(51) **LOC (9) Cl.** **13 03**

(52) **U.S. Cl.** **D23/233**; D15/28

(58) **Field of Classification Search** D23/233
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,115,282	A		12/1963	McKenzie
3,612,069	A		10/1971	Waters
RE27,865	E		1/1974	Baker et al.
3,851,801	A		12/1974	Roth
D281,168	S		10/1985	Scholl et al.
4,549,866	A		10/1985	Granville
4,579,309	A		4/1986	Fujiwara et al.
4,600,128	A		7/1986	Rohrer
4,653,199	A		3/1987	McLeod et al.
4,688,609	A		8/1987	Diaz
4,874,014	A		10/1989	Grant et al.
5,000,112	A		3/1991	Rothen et al.
5,063,790	A		11/1991	Freeman et al.
5,265,800	A		11/1993	Ziecker et al.
5,356,038	A		10/1994	Banks
5,375,738	A		12/1994	Walsh et al.
5,478,224	A		12/1995	McGuffey
5,683,037	A		11/1997	Rochman et al.
D401,600	S		11/1998	Byerly et al.
D404,464	S	*	1/1999	Niemczyk D23/233
5,915,625	A		6/1999	Focke et al.
6,056,155	A		5/2000	Byerly et al.
6,089,413	A		7/2000	Riney et al.
D429,263	S		8/2000	Auber et al.
6,105,832	A		8/2000	Beck
6,123,302	A		9/2000	Taylor
6,216,903	B1		4/2001	Hirose et al.
6,244,522	B1		6/2001	Reighard et al.
6,260,583	B1		7/2001	Flatt et al.
6,286,721	B1		9/2001	Pellegrini
6,354,463	B1		3/2002	Pahl
6,358,322	B1		3/2002	Pahl
D456,427	S		4/2002	Gressett, Jr. et al.
6,406,625	B1		6/2002	Brock et al.
D460,092	S		7/2002	Gressett, Jr. et al.
D460,148	S	*	7/2002	Hayashi et al. D23/233
6,435,425	B1		8/2002	Saidman
D470,221	S	*	2/2003	Niemczyk D23/233
6,572,033	B1		6/2003	Pullagura et al.
6,601,741	B2		8/2003	McGuffey
6,669,057	B2		12/2003	Saidman et al.
D494,658	S	*	8/2004	Kobayashi et al. D23/233
D505,183	S	*	5/2005	Fukuda et al. D23/233
6,931,205	B2		8/2005	Atkins
D515,177	S		2/2006	Raterman et al.
7,082,262	B2		7/2006	Clark et al.
D536,421	S		2/2007	Raterman et al.
7,296,706	B2		11/2007	Raterman et al.
2003/0080155	A1		5/2003	Jeter
2003/0192292	A1		10/2003	Seedorf
2003/0200921	A1		10/2003	Crane et al.
2004/0033069	A1		2/2004	Atkins
2005/0235909	A1		10/2005	Jones
2005/0235911	A1		10/2005	Chambers et al.
2005/0236316	A1		10/2005	Gould et al.

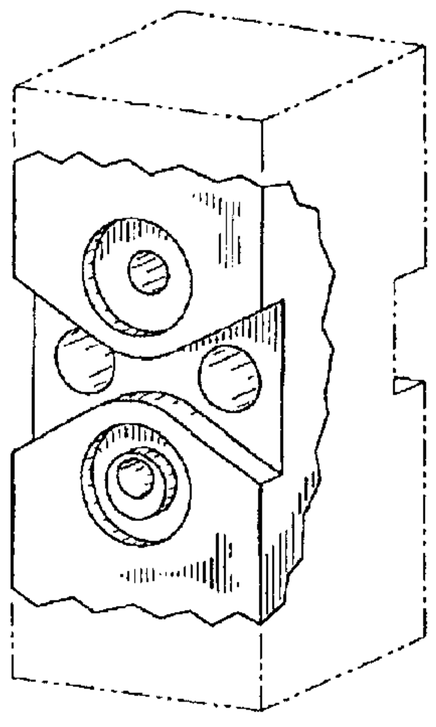
FOREIGN PATENT DOCUMENTS

EP	0719591 A2	7/1996

OTHER PUBLICATIONS

Keystone Industries, Adhesive Applicator Systems & Parts, 2001 Catalog, Front & Rear Covers, and pp. 8 and 9.

Nordson Corporation, Meltex EP25 and EP34 Hot Melt Guns, Brochure, Jul. 1993, 2 pgs.



Nordson Corporation, Series H–440 Hot Melt Guns and Modules, Brochure, Mar. 1999, 2 pgs.
Nordson Corporation, Series H200 Reduced Cavity Guns, Brochure, Jan. 1993, 2 pgs.
Thomas Kayden, Horstemeyer & Risley, LLP, Request for Ex Parte Reexamination, U.S. Appl. No. 90/010,873, filed Feb. 25, 2010.
Nordson Corporation, LV 227 Adhesive Dispensing Pneumatic Gun Brochure dated Apr. 2003.
Watlow Electric Manufacturing Company, Revolutionizing The Heater Industry Brochure dated Year 2001.
European Patent Office, Search Report in European Patent Application No. 05002560.0 dated Feb. 22, 2008.

* cited by examiner

Primary Examiner—Cathron C Brooks
Assistant Examiner—Maurice Stevens
(74) *Attorney, Agent, or Firm*—Wood, Herron Evans, L.L.P.

(57) **CLAIM**

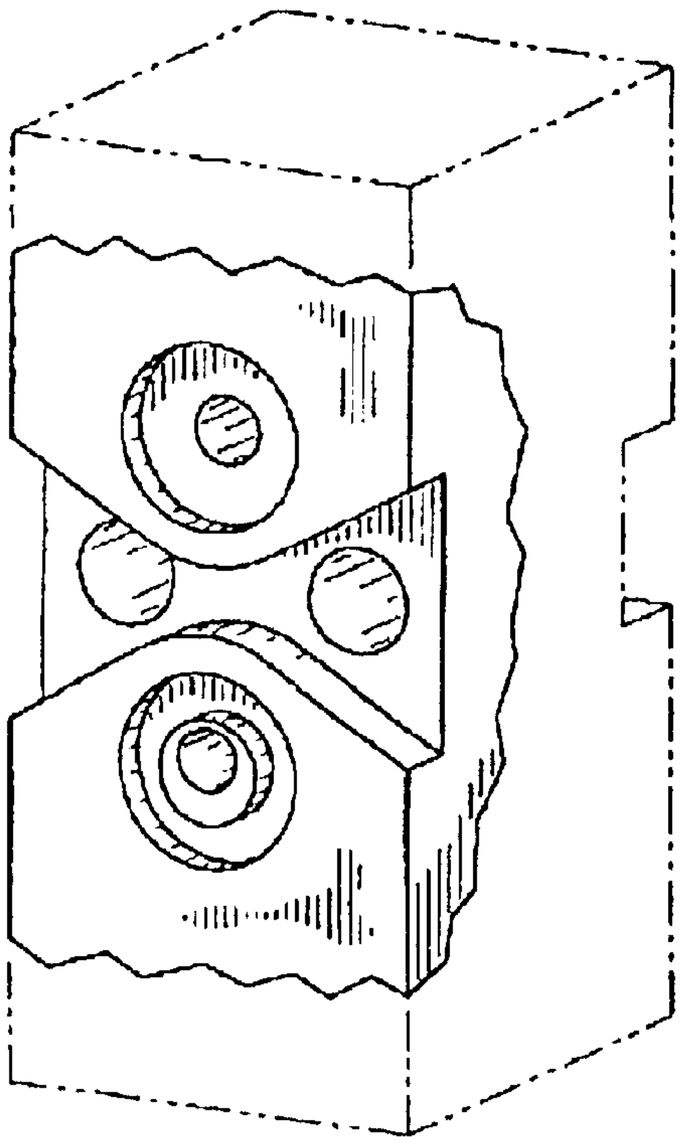
We claim, the ornamental design for an intake portion of a liquid dispensing valve as shown and described.

DESCRIPTION

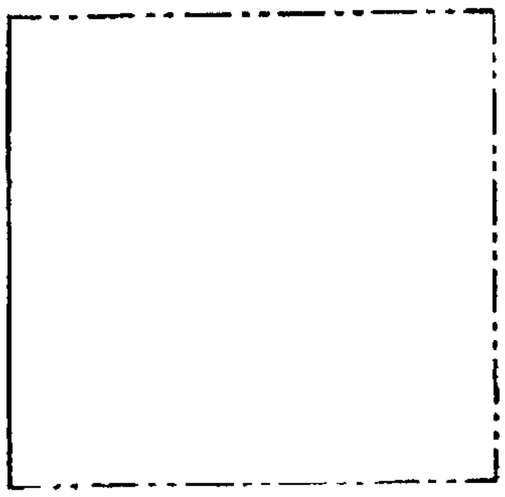
FIG. **1** is a perspective view of an intake portion of a liquid dispensing valve according to one embodiment of the invention;
FIG. **2** is a front elevational view as oriented in FIG. **1**;
FIG. **3** is a top plan view;
FIG. **4** is a side elevational view of the portion of the valve of FIG. **1** wherein the opposite side is a mirror image thereof;
FIG. **5** is a perspective view of an intake portion of a liquid dispensing valve according to the second embodiment of the invention;
FIG. **6** is a front elevational view as oriented in FIG. **5**;
FIG. **7** is a top plan view;
FIG. **8** is a side elevational view of the portion of the valve of FIG. **5**wherein the opposite side is a mirror image thereof;
FIG. **9** is a perspective view of an intake portion of a liquid dispensing valve according to third embodiment of the invention;
FIG. **10** is a front elevational view as oriented in FIG. **9**;
FIG. **11** is a top plan view;
FIG. **12** is a side elevational view of the portion of the valve of FIG. **9** wherein the opposite side is a mirror image thereof;
FIG. **13** is a perspective view of an intake portion of a liquid dispensing valve according to the fourth embodiment of the invention;
FIG. **14** is a front elevational view as oriented in FIG. **13**;
FIG. **15** is a top plan view;
FIG. **16** is a side elevational view of the portion of the valve of FIG. **13** wherein the opposite side is a mirror image thereof;
FIG. **17** is a perspective view of an intake portion of a liquid dispensing valve according to the fifth embodiment of the invention;
FIG. **18** is a front elevational view as oriented in FIG. **17**;
FIG. **19** is a top plan view;
FIG. **20** is a side elevational view of the portion of the valve of FIG. **17** wherein the opposite side is a mirror image thereof;
FIG. **21** is a perspective view of an intake portion of a liquid dispensing valve according to the sixth embodiment of the invention;
FIG. **22** is a front elevational view as oriented in FIG. **21**;
FIG. **23** is a top plan view;
FIG. **24** is a side elevational view of the portion of the valve of FIG. **21** wherein the opposite side is a mirror image thereof;
FIG. **25** is a perspective view of an intake portion of a liquid dispensing valve according to the seventh embodiment of the invention;
FIG. **26** is a front elevational view as oriented in FIG. **25**;
FIG. **27** is a top plan view;
FIG. **28** is a side elevational view of the portion of the valve of FIG. **25** wherein the opposite side is a mirror image thereof;
FIG. **29** is a perspective view of an intake portion of a liquid dispensing valve according to the eigth embodiment of the invention;
FIG. **30** is a front elevational view as oriented in FIG. **29**;
FIG. **31** is a top plan view;
FIG. **32** is a side elevational view of the portion of the valve of FIG. **29** wherein the opposite side is a mirror image thereof;
FIG. **33** is a perspective view of an intake portion of a liquid dispensing valve according to the ninth embodiment of the invention;
FIG. **34** is a front elevational view as oriented in FIG. **33**;
FIG. **35** is a top plan view;
FIG. **36** is a side elevational view of the portion of the valve of FIG. **33** wherein the opposite side is a mirror image thereof;
FIG. **37** is a perspective view of an intake portion of a liquid dispensing valve according to the tenth embodiment of the invention;
FIG. **38** is a front elevational view as oriented in FIG. **37**;
FIG. **39** is a top plan view; and,
FIG. 40 is a side elevational view of a portion of the valve of FIG. 37 wherein the opposite side is a mirror image thereof;
FIG. **[40]** *41* is a perspective view of an intake portion of a liquid dispensing a valve according to the eleventh embodiment of the invention.
FIG. 42 is a front elevational view as oriented in FIG. 41;
FIG. 43 is a top plan view; and,
FIG. 44 is a side elevational view of the portion of the valve of FIG. 41 wherein the opposite side is a mirror image thereof.
The broken line showing environment is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 11 Drawing Sheets

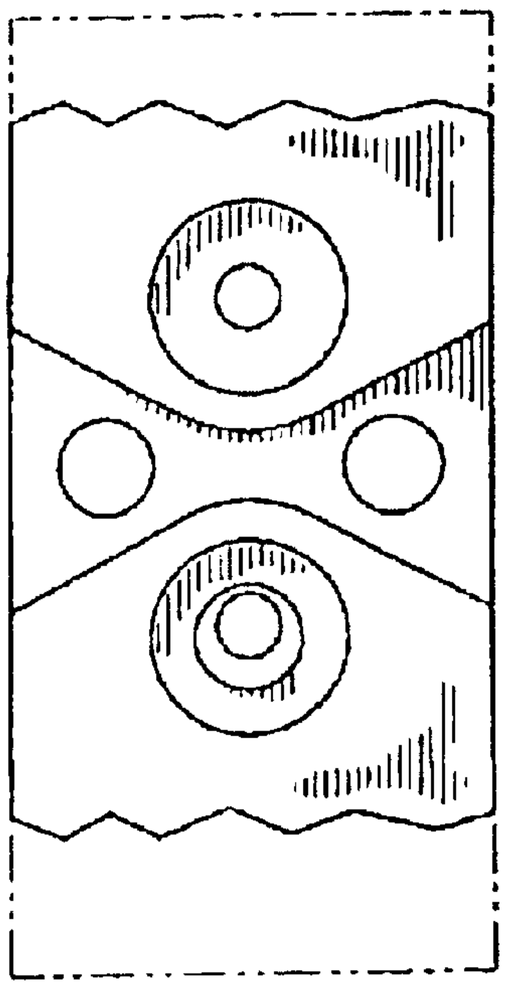
Matter enclosed in heavy brackets [ ] appears in the original patent but forms no part of this reissue specification; matter printed in italics indicates the additions made by reissue.



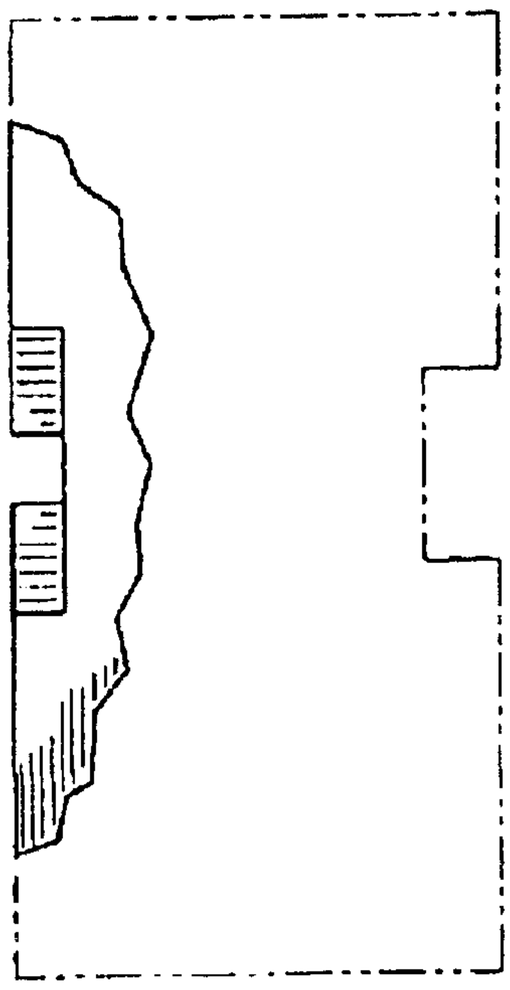
FIG–1



FIG–3



FIG–2



FIG–4

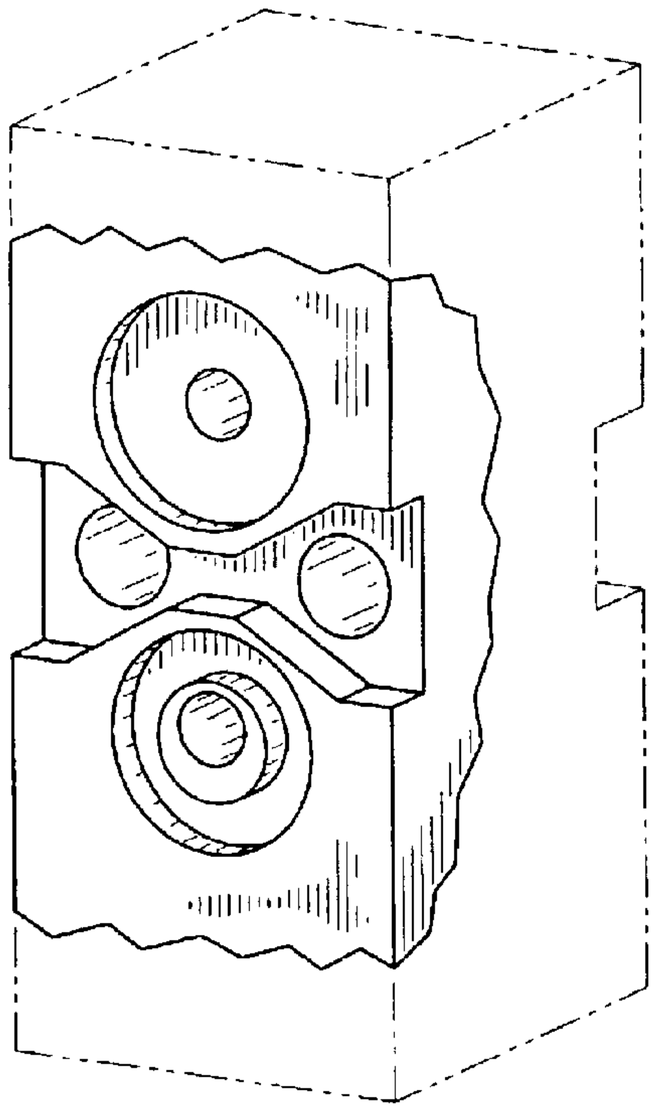


FIG. 5
AMENDED

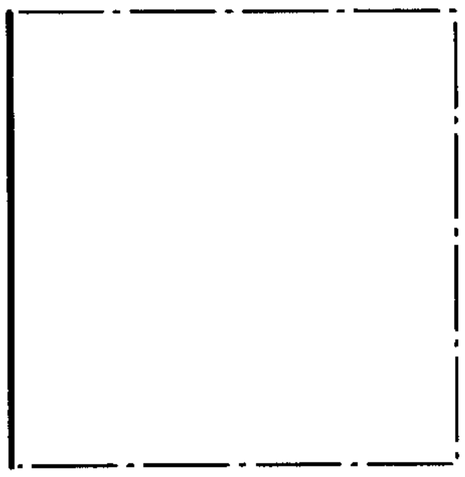


FIG. 7
AMENDED

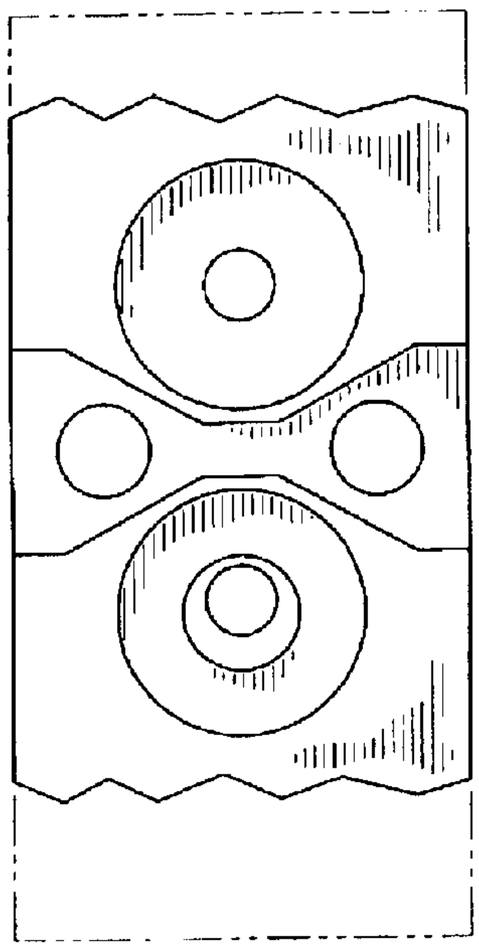


FIG. 6
AMENDED

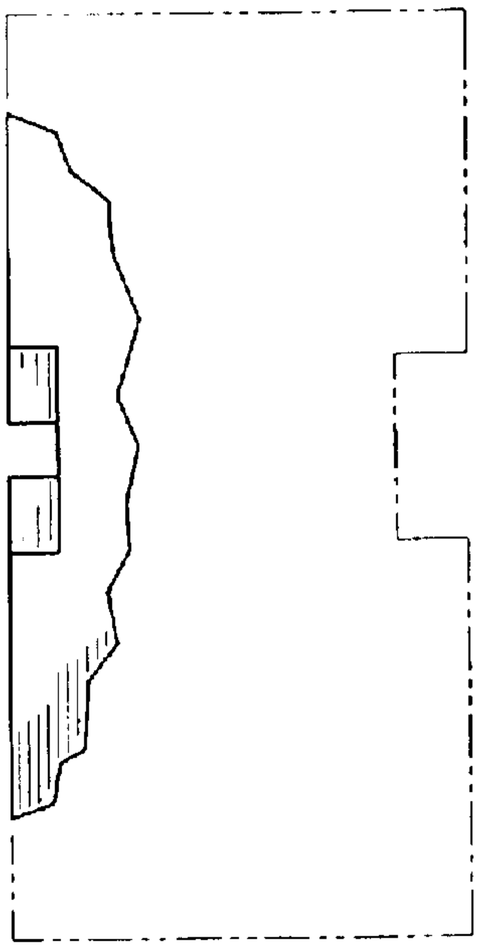


FIG. 8
AMENDED

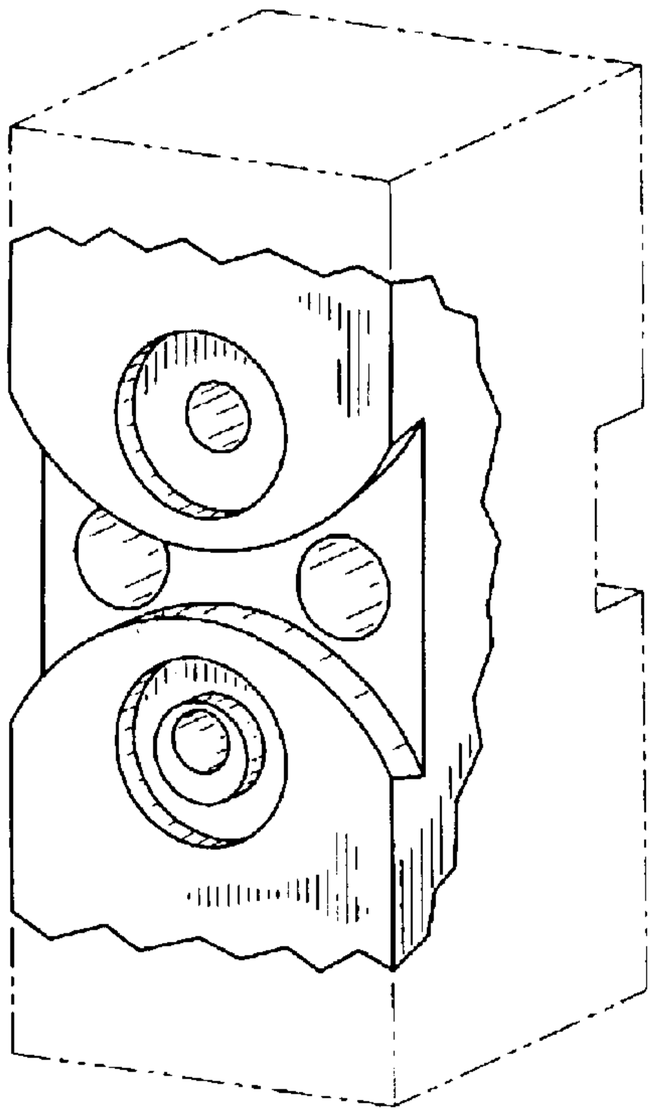


FIG. 9
AMENDED

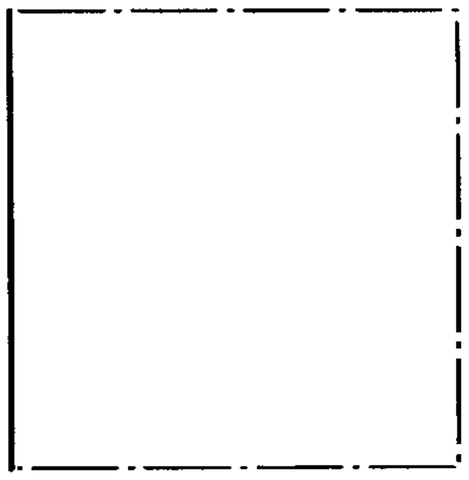


FIG. 11
AMENDED

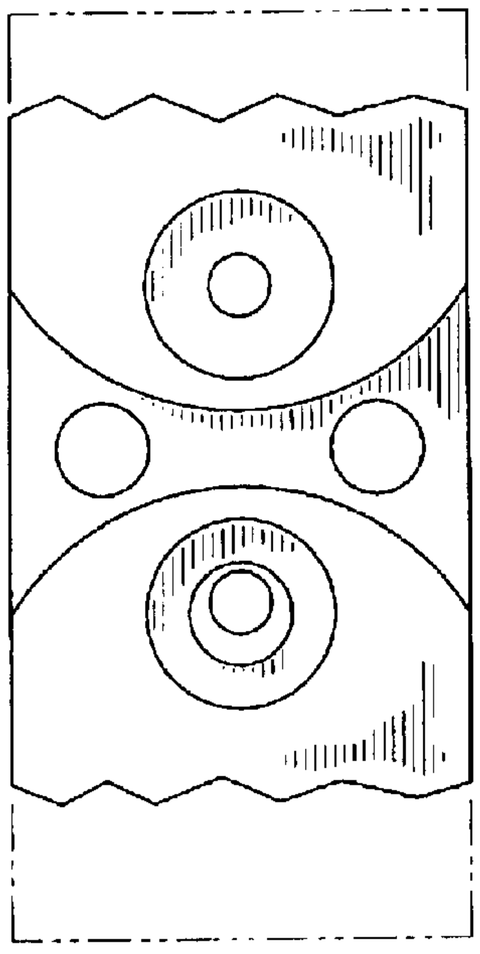


FIG. 10
AMENDED

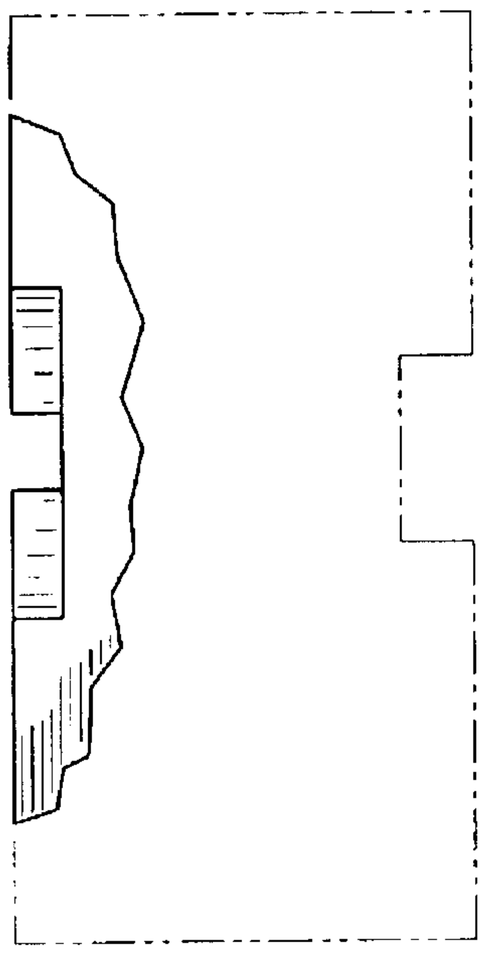


FIG. 12
AMENDED

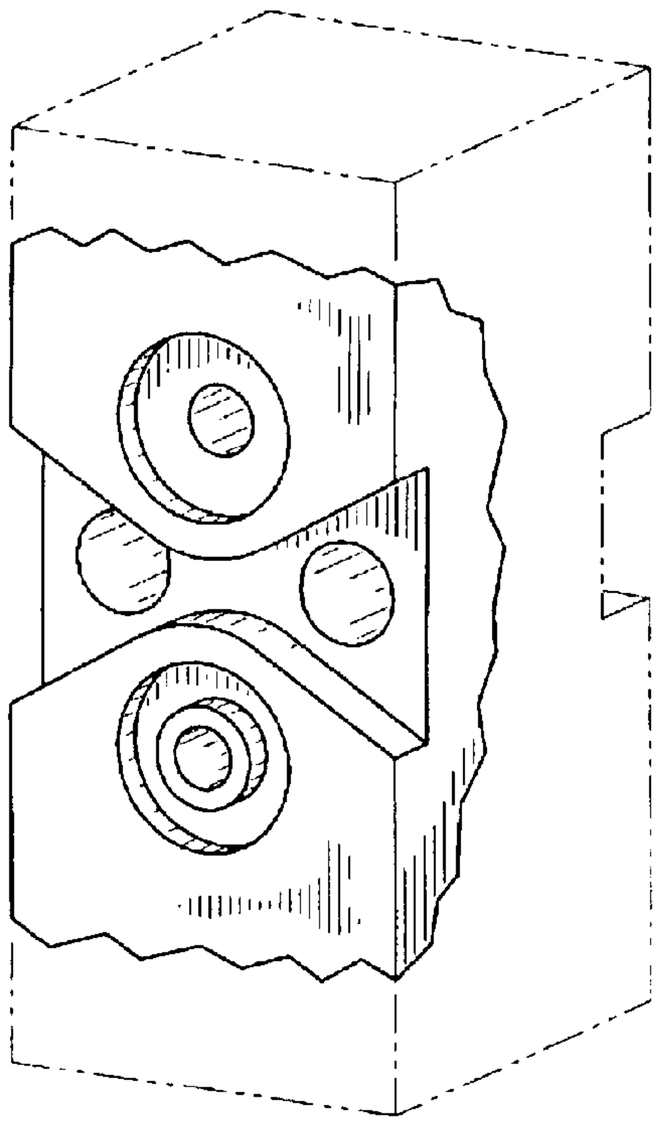


FIG. 13
AMENDED

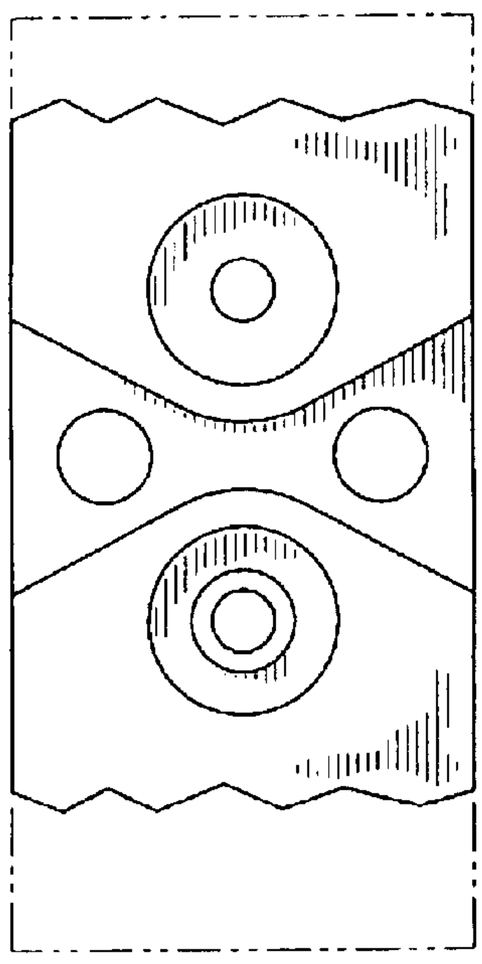


FIG. 14
AMENDED

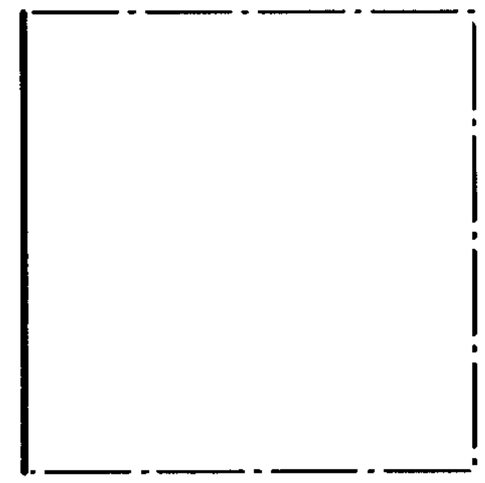


FIG. 15
AMENDED

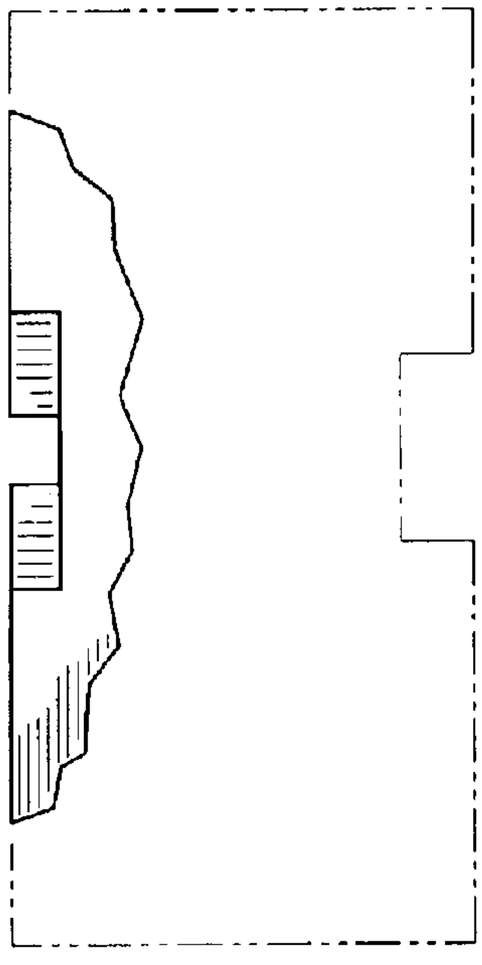


FIG. 16
AMENDED

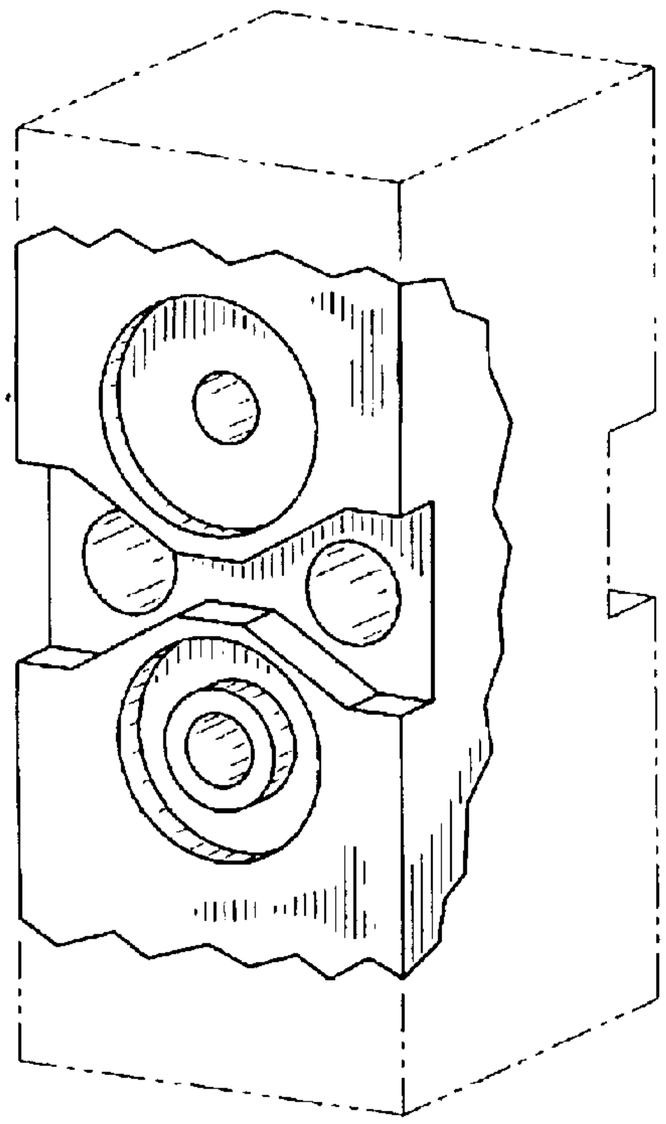


FIG. 17
AMENDED

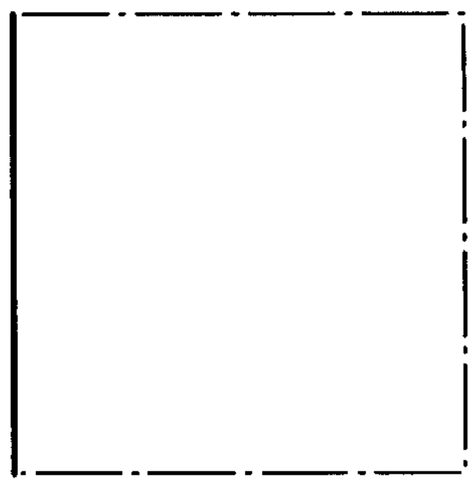


FIG. 19
AMENDED

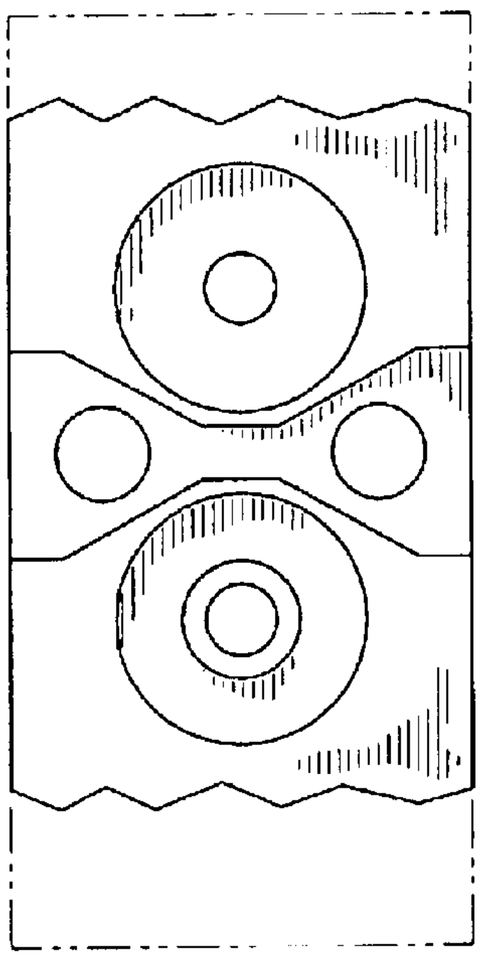


FIG. 18
AMENDED

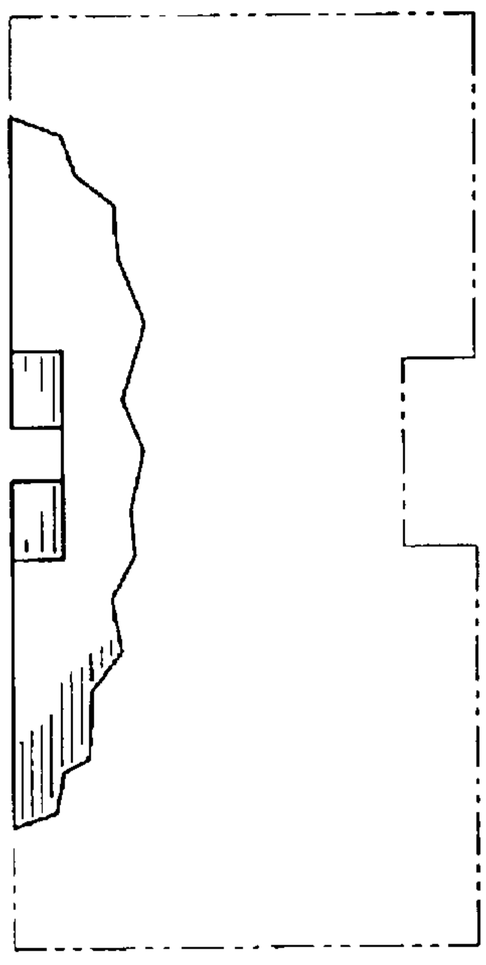


FIG. 20
AMENDED

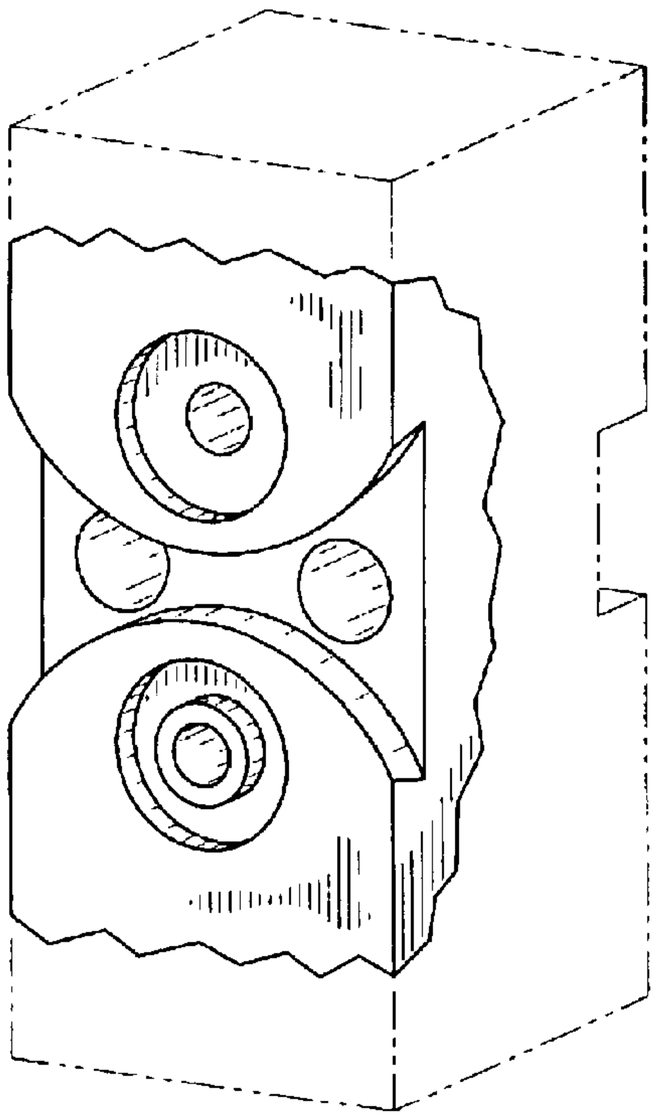


FIG. 21
AMENDED

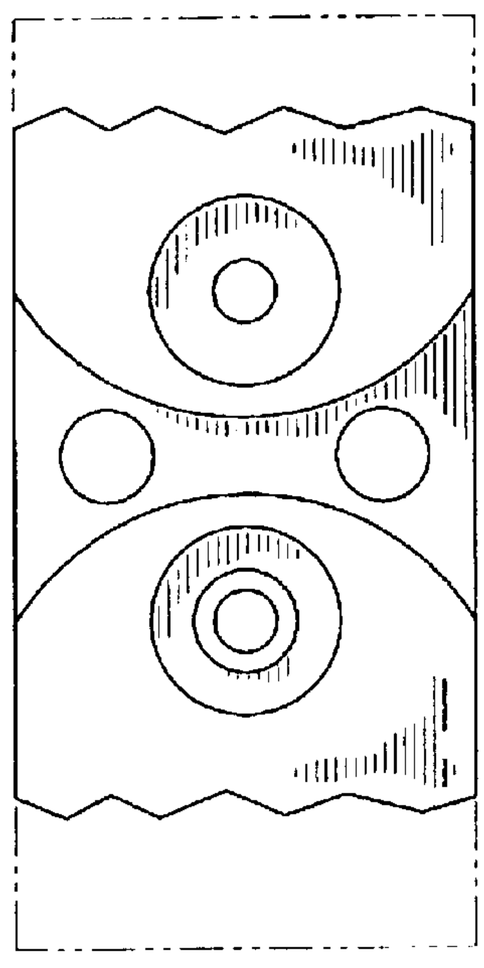


FIG. 22
AMENDED

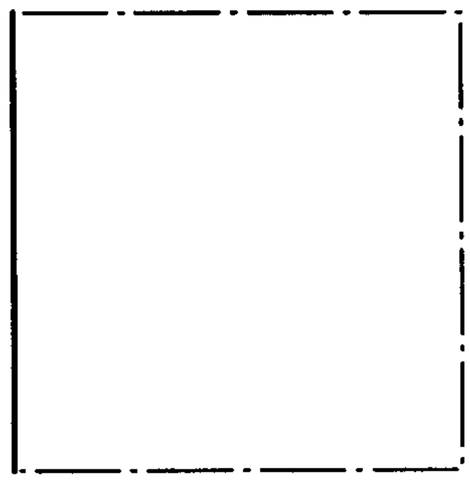


FIG. 23
AMENDED

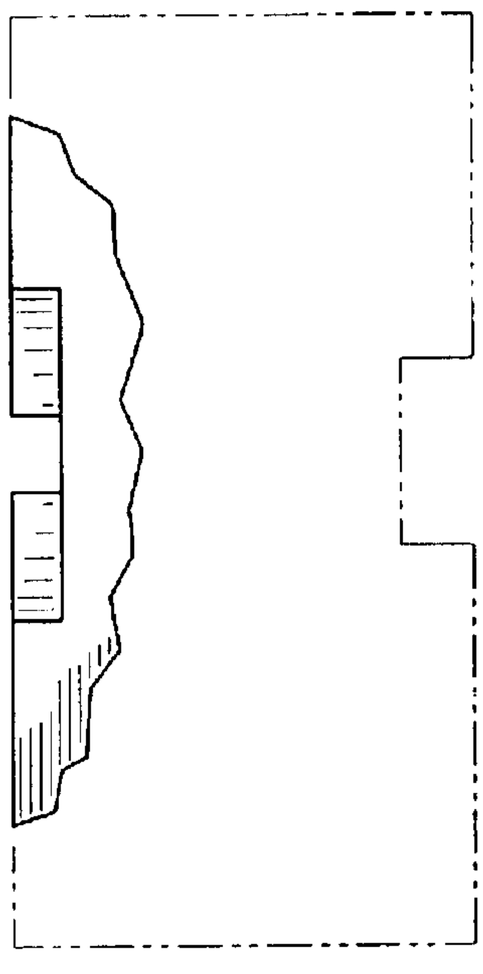


FIG. 24
AMENDED

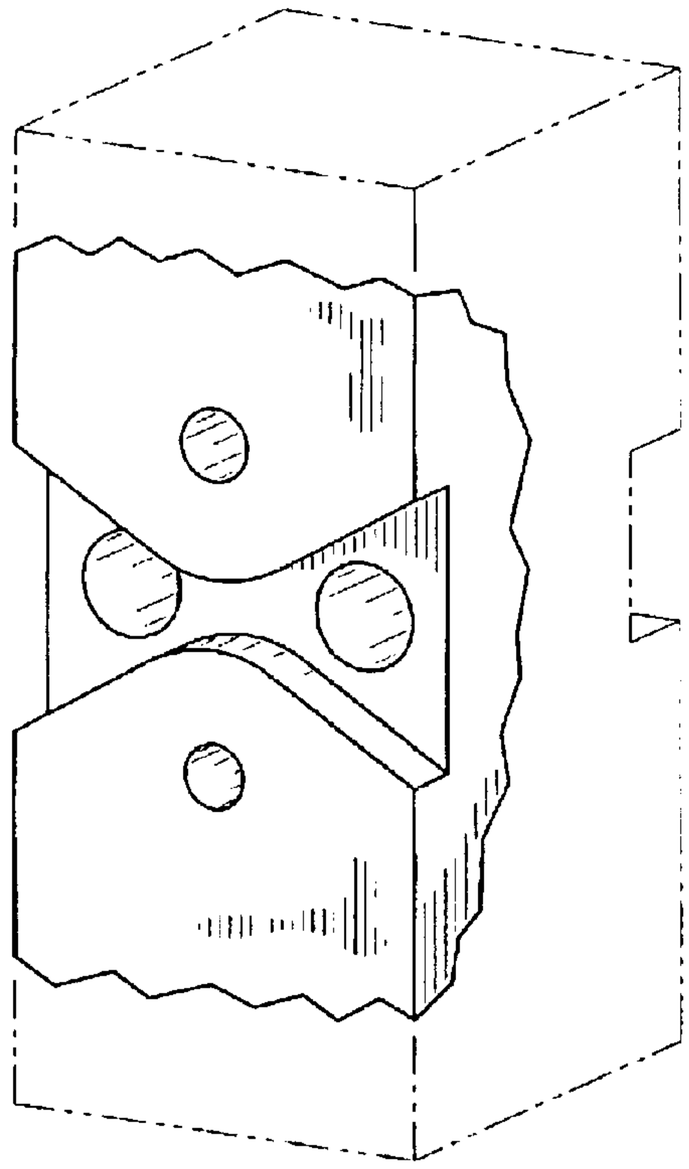


FIG. 25
AMENDED

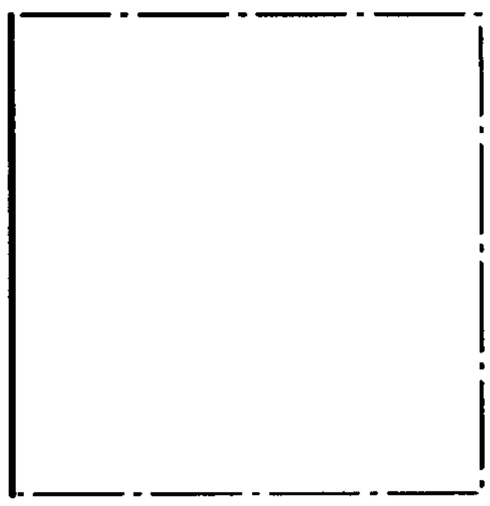


FIG. 27
AMENDED

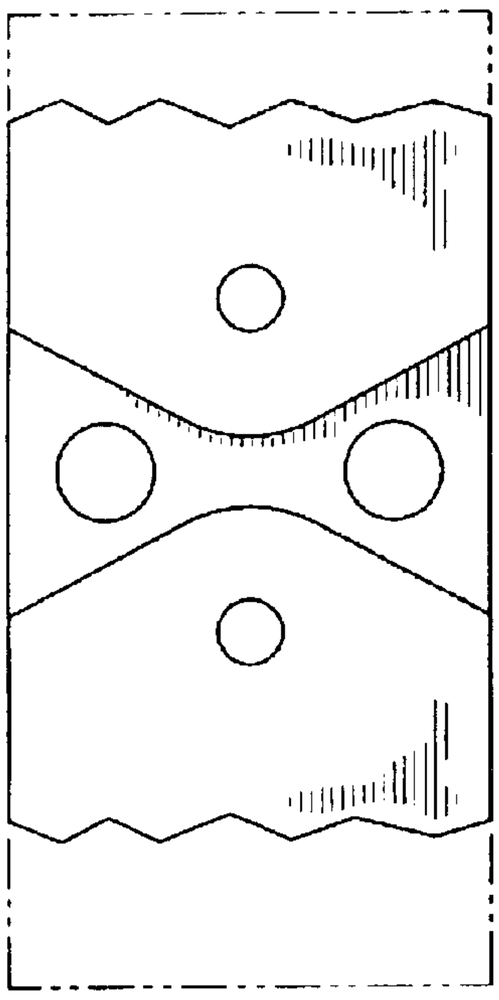


FIG. 26
AMENDED

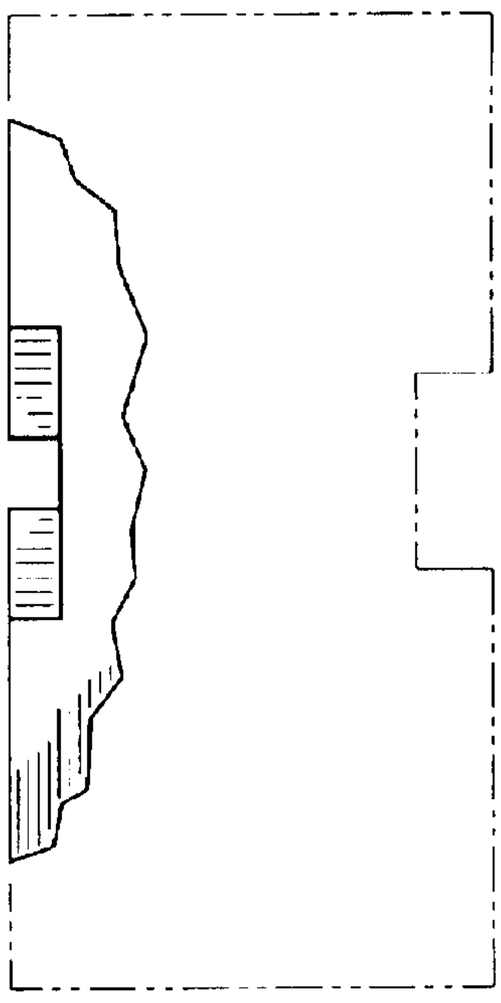


FIG. 28
AMENDED

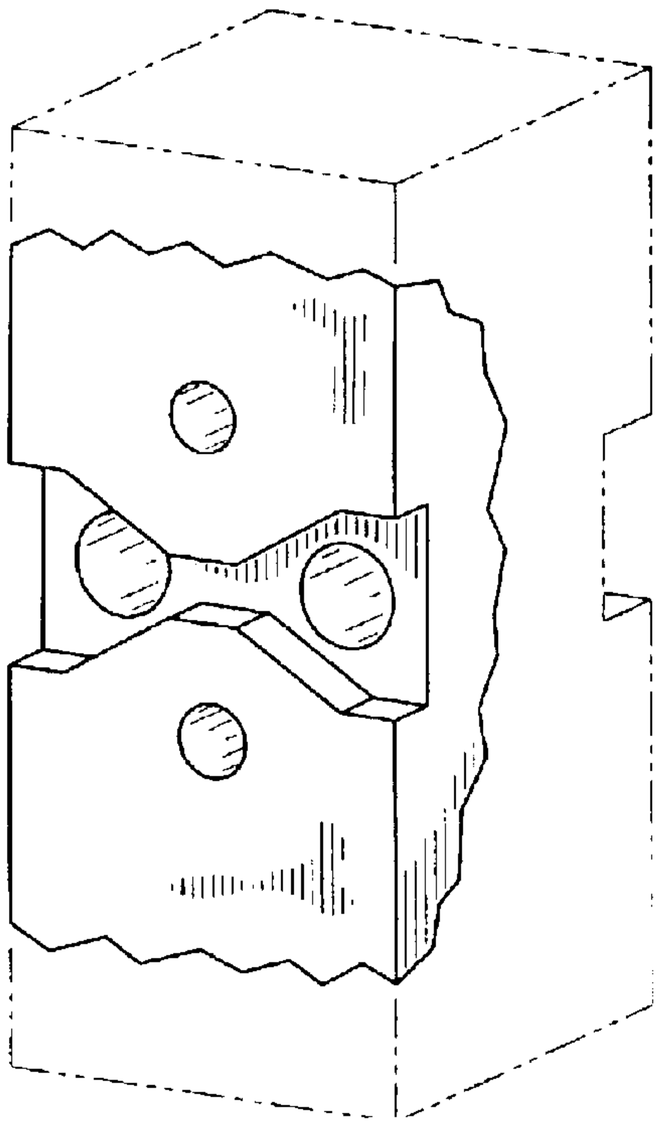


FIG. 29
AMENDED

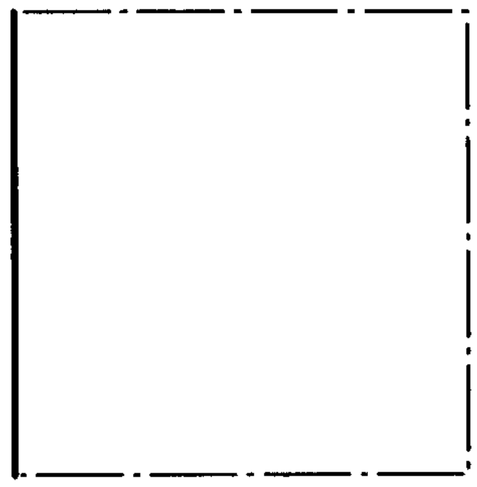


FIG. 31
AMENDED

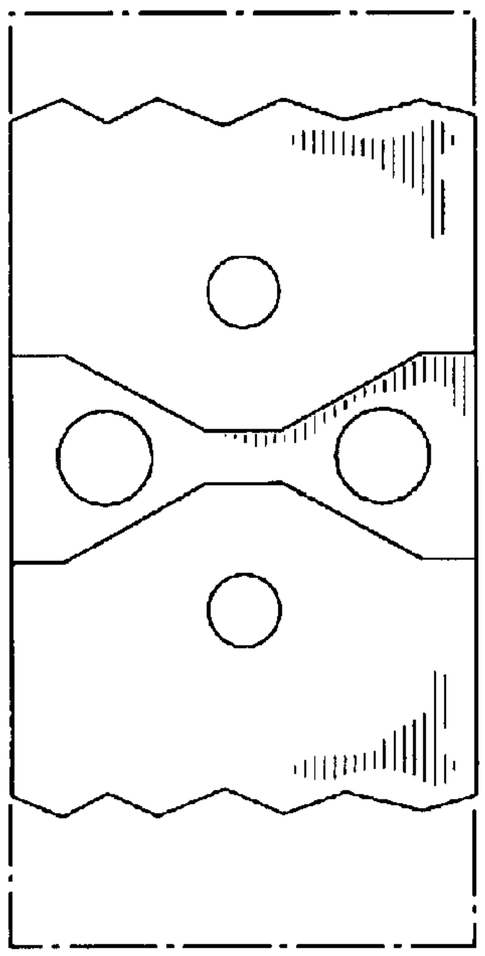


FIG. 30
AMENDED

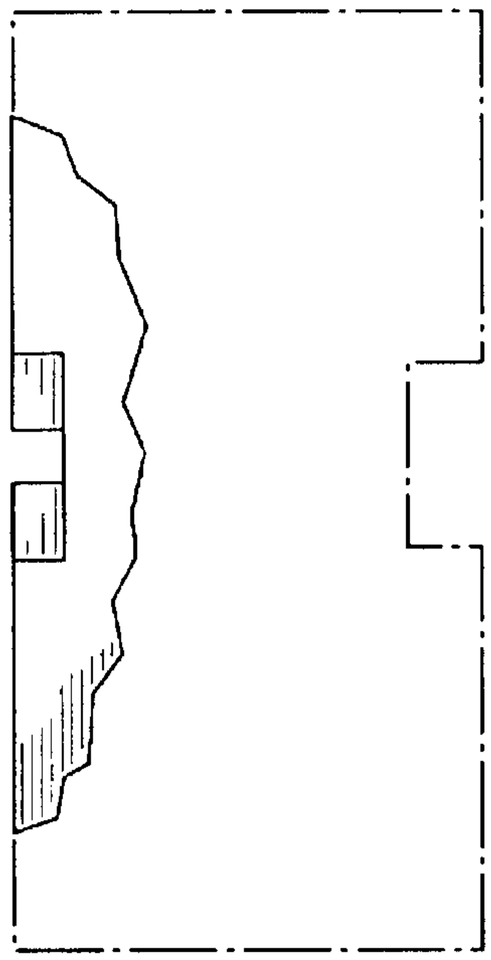


FIG. 32
AMENDED

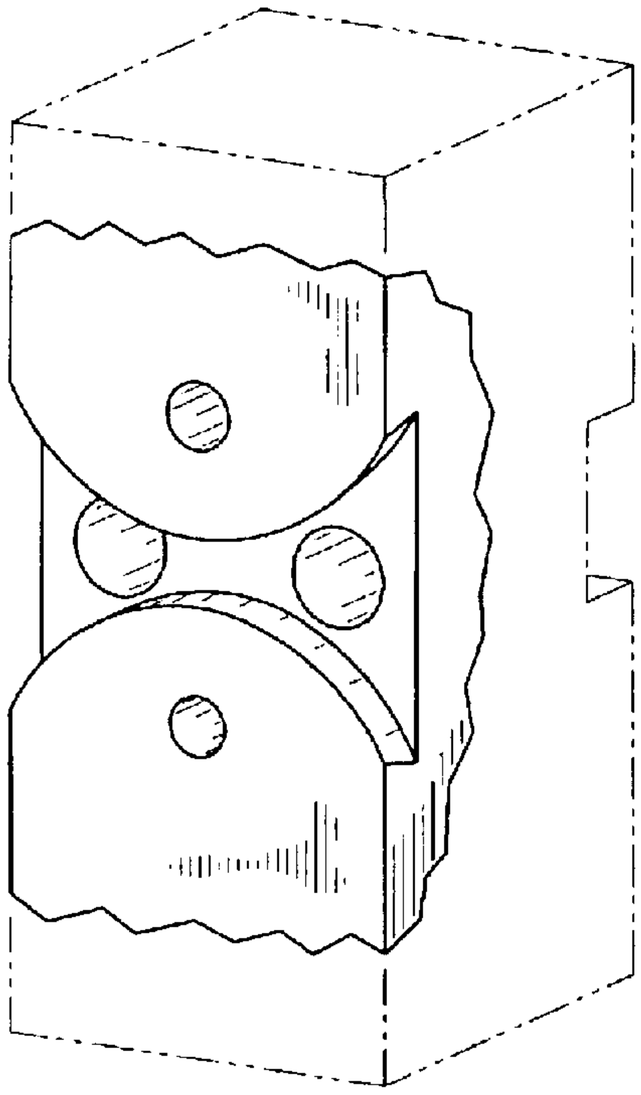


FIG. 33
AMENDED

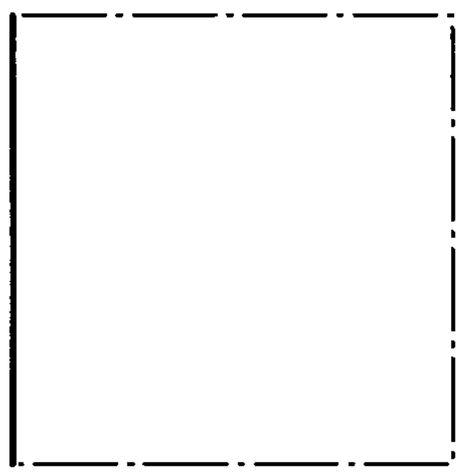


FIG. 35
AMENDED

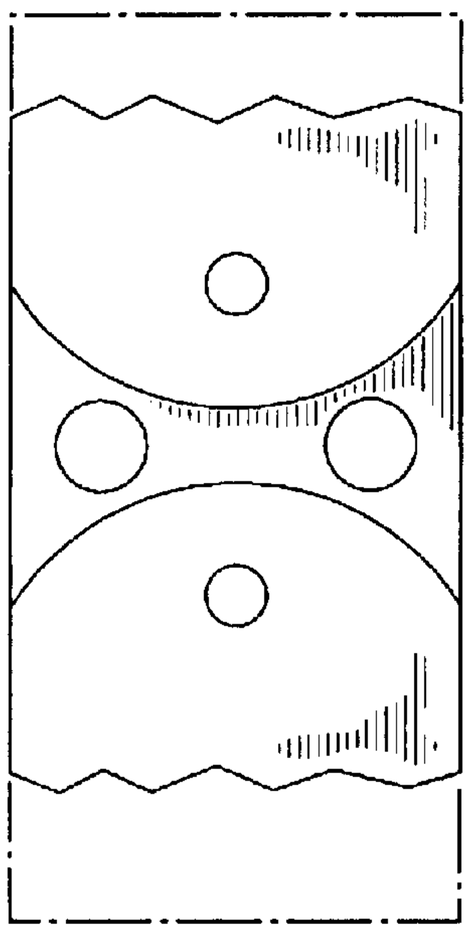


FIG. 34
AMENDED

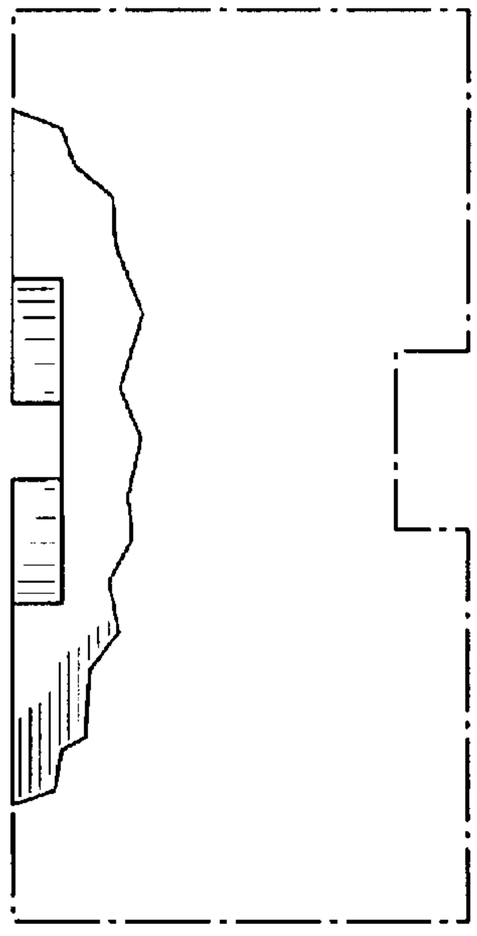


FIG. 36
AMENDED

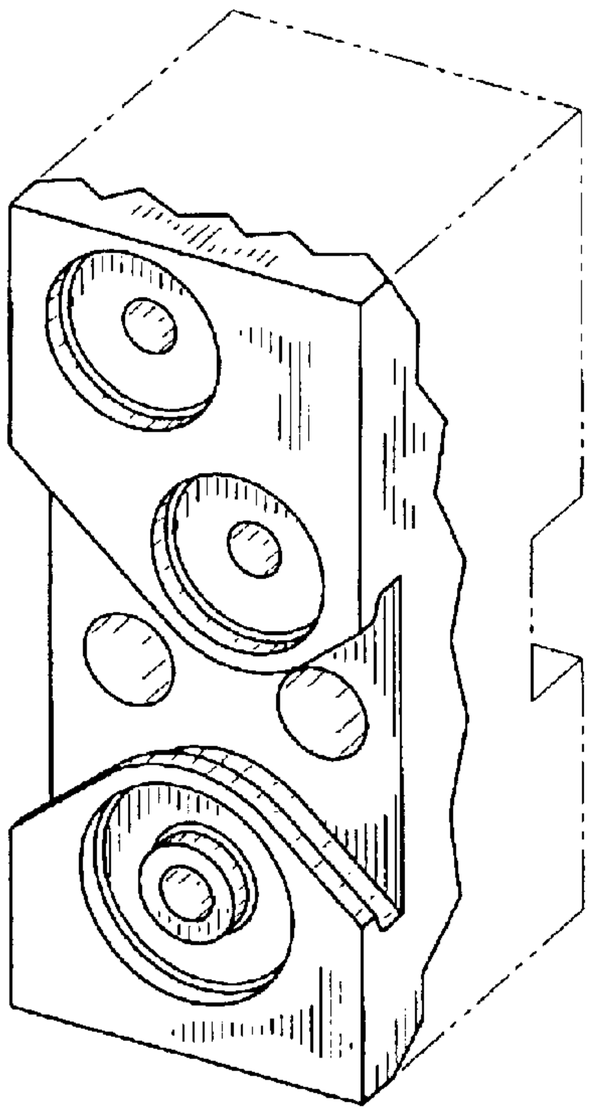


FIG. 37
AMENDED

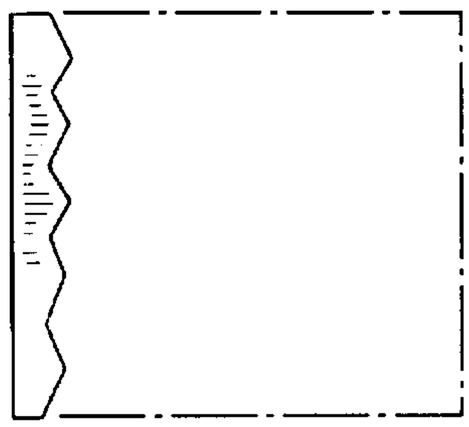


FIG. 39
AMENDED

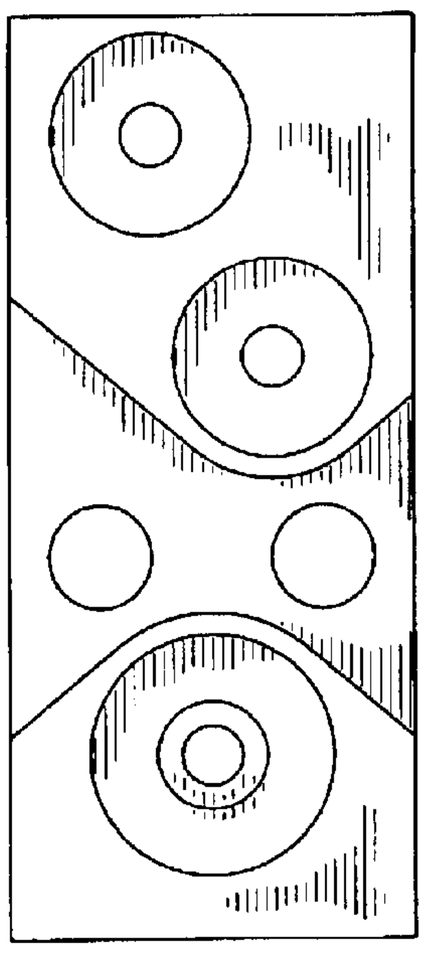


FIG. 38
AMENDED

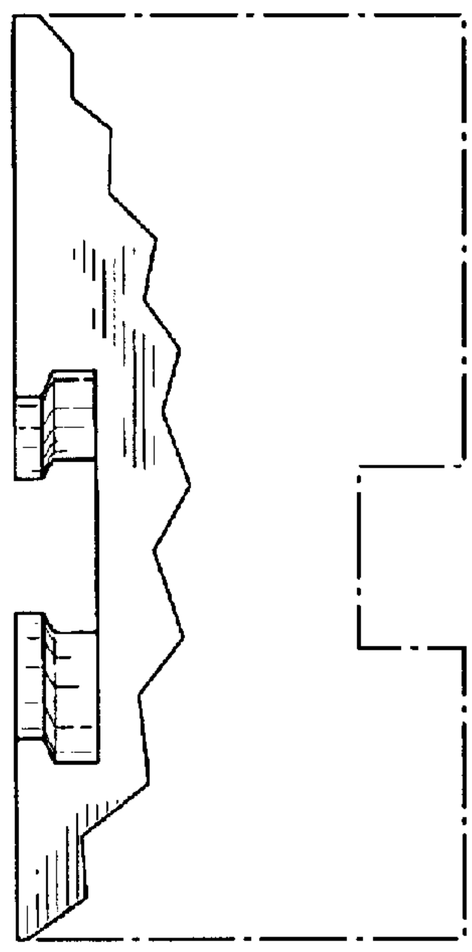


FIG. 40
AMENDED

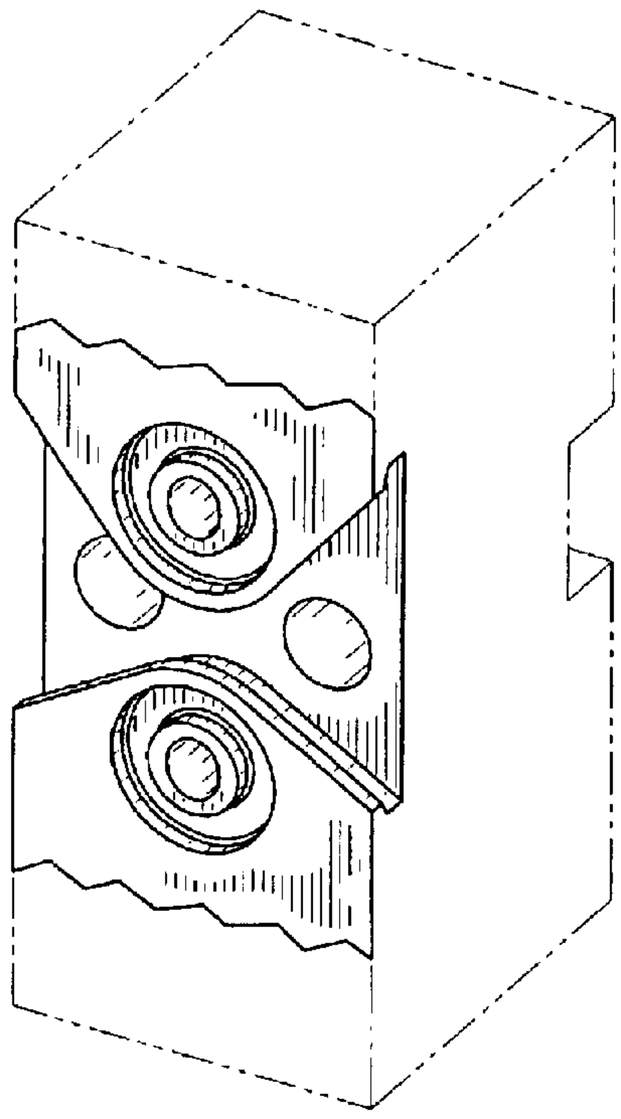


FIG. 41
NEW

FIG. 43
NEW

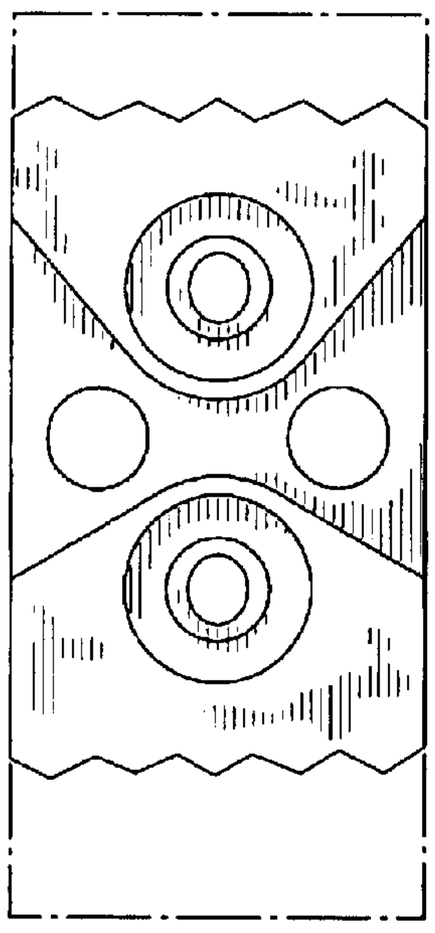


FIG. 42
NEW

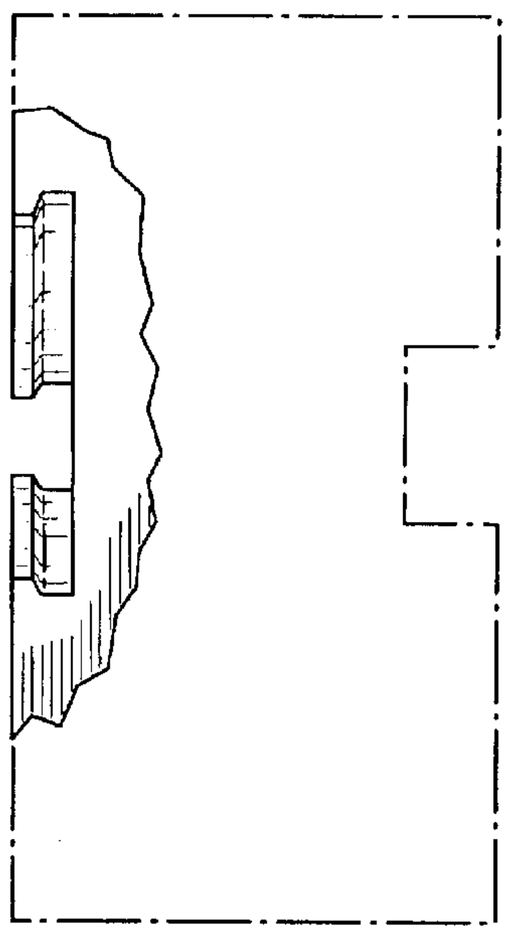


FIG. 44
NEW