

US00D602964S

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

(10) **Patent No.:** **US D602,964 S**
(45) **Date of Patent:** **** Oct. 27, 2009**

(54) **MITER SAW MOTOR HOUSING**

3,085,452 A 4/1963 Thompson
3,755,853 A 9/1973 Barile
3,836,043 A 9/1974 Levin

(75) Inventors: **Jason D. Hetcher**, Waukesha, WI (US);
Mark D. Willer, Brookfield, WI (US);
Dennis J. Cerney, Mukwonago, WI
(US); **William A. Elger**, West Bend, WI
(US); **Harold L. Papenfuss**,
Menomonee Falls, WI (US); **Daryl S.**
Richards, Sussex, WI (US); **David R.**
Bauer, Delafield, WI (US); **Edward T.**
Gisske, Mt. Horeb, WI (US); **Edward R.**
Raleigh, Lodi, WI (US); **Michael E.**
Weber, Hartland, WI (US); **Eric**
Fernandes, Franklin, WI (US); **David**
Hlavac, Germantown, WI (US); **Troy C.**
Thorson, Waukesha, WI (US); **Michael**
L. Welliver, Milwaukee, WI (US)

(Continued)

FOREIGN PATENT DOCUMENTS

CA 2 437 192 5/2004

(Continued)

OTHER PUBLICATIONS

International Search Report and Written Opinion for International
Application No. PCT/US05/12861 mailed Sep. 6, 2006.

(Continued)

Primary Examiner—Sandra Snapp

Assistant Examiner—Patricia Palasik

(74) *Attorney, Agent, or Firm*—Michael Best & Friedrich
LLP

(73) Assignee: **Milwaukee Electric Tool Corporation**,
Brookfield, WI (US)

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

(21) Appl. No.: **29/240,624**

(22) Filed: **Oct. 14, 2005**

Related U.S. Application Data

(63) Continuation of application No. 29/227,851, filed on
Apr. 15, 2005, now Pat. No. Des. 556,224.

(51) **LOC (9) Cl.** **15-09**

(52) **U.S. Cl.** **D15/133**

(58) **Field of Classification Search** D8/67,
D8/69; D15/133; 30/377–378, 388–391,
30/517–525; 83/471.2–471.3, 477.1–477.2
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

853,393 A 5/1907 Albaugh
2,565,510 A 8/1951 Martin
3,030,728 A 4/1962 Wesman
3,041,775 A 7/1962 Brown, Jr. et al.

(57) **CLAIM**

The ornamental design for a miter saw motor housing, as
shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a miter saw motor
housing.

FIG. 2 is a front view of the motor housing of FIG. 1.

FIG. 3 is a rear view of the motor housing of FIG. 1.

FIG. 4 is a right-side view of the motor housing of FIG. 1.

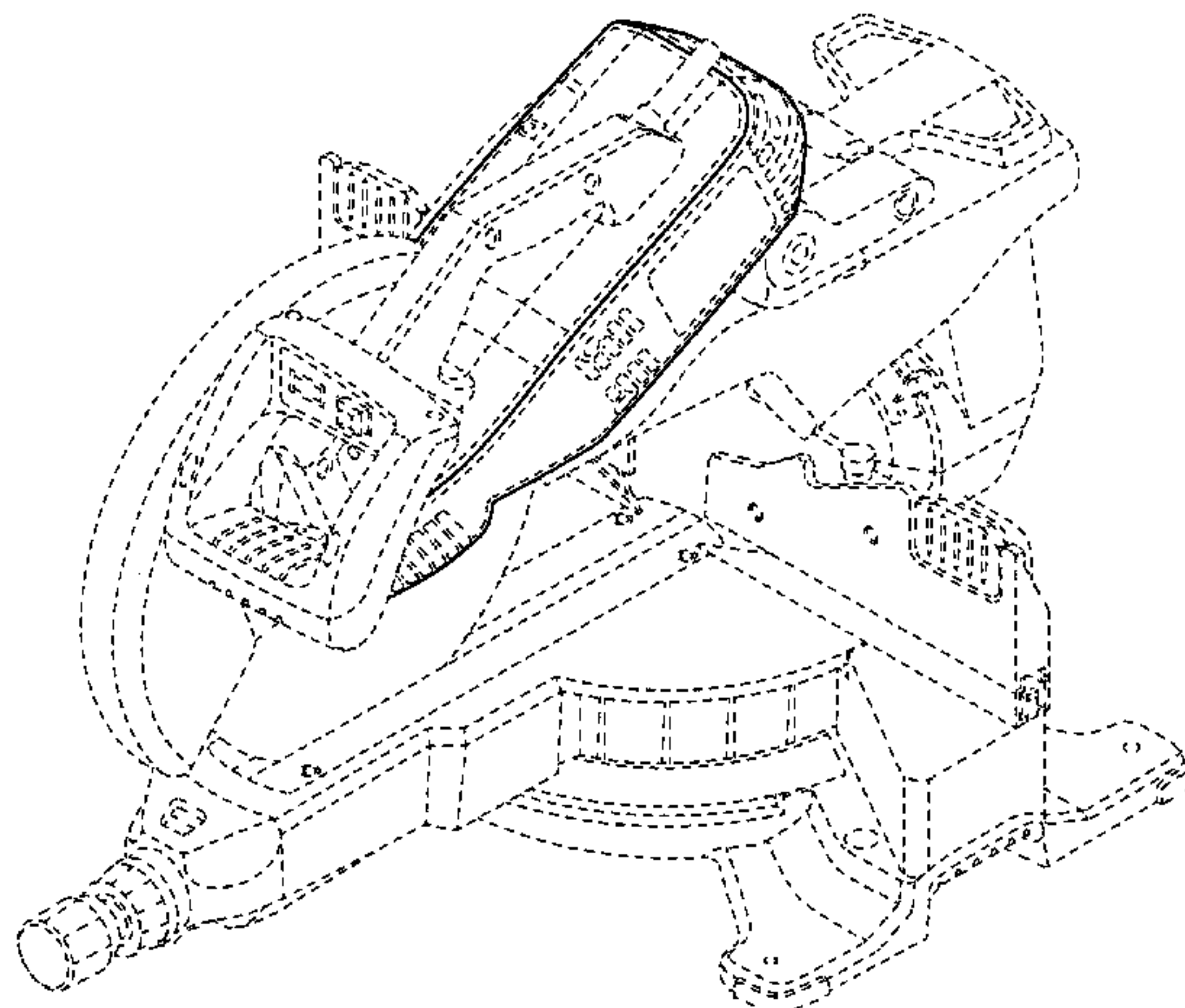
FIG. 5 is a left-side view of the motor housing of FIG. 1.

FIG. 6 is a top view of the motor housing of FIG. 1; and,

FIG. 7 is a bottom view of the motor housing of FIG. 1.

The portions of the miter saw motor housing shown in broken
lines in FIGS. 1–7 are included for the purpose of illustrating
environment and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



U.S. PATENT DOCUMENTS

4,144,781 A 3/1979 Kreitz
4,641,557 A 2/1987 Steiner et al.
4,731,918 A 3/1988 Burghardt
4,742,916 A 5/1988 Galea
4,794,740 A 1/1989 Keith et al.
4,817,693 A 4/1989 Schuler
4,941,232 A 7/1990 Decker et al.
5,252,376 A 10/1993 Greenberg et al.
5,297,463 A 3/1994 O'Banion et al.
D346,173 S 4/1994 Price
5,445,056 A 8/1995 Folci
D366,491 S 1/1996 Chang
5,564,323 A 10/1996 Sasaki et al.
D391,973 S 3/1998 Price et al.
5,724,875 A 3/1998 Meredith et al.
5,802,943 A 9/1998 Brunson et al.
D399,856 S * 10/1998 Price et al. D15/133
D400,215 S 10/1998 Price et al.
5,819,619 A 10/1998 Miller et al.
5,862,732 A 1/1999 Itsov
5,862,734 A 1/1999 Brunson et al.
5,868,372 A 2/1999 Novak et al.
5,870,938 A 2/1999 Brunson et al.
5,907,987 A 6/1999 Stumpf et al.
5,931,072 A 8/1999 Shibata
5,969,312 A 10/1999 Svetlik et al.
6,016,732 A 1/2000 Brault et al.
D421,267 S 2/2000 Price et al.
6,032,562 A 3/2000 Brunson et al.
6,032,563 A 3/2000 Stumpf et al.
6,035,754 A 3/2000 Stumpf et al.
D424,072 S 5/2000 Shibata et al.
D425,083 S 5/2000 Brickner, Jr. et al.
6,067,885 A 5/2000 Brunson et al.
6,101,914 A 8/2000 Brunson et al.
D435,569 S 12/2000 Hollinger et al.
6,179,122 B1 1/2001 Moncrief et al.
D441,771 S 5/2001 Bean et al.
D454,577 S 3/2002 Meredith et al.
6,354,475 B1 3/2002 Grace et al.
D459,373 S 6/2002 Hollinger et al.
6,427,570 B1 8/2002 Miller et al.
6,431,040 B1 8/2002 Miller et al.
6,470,778 B1 10/2002 Kaye, Jr. et al.
6,474,206 B1 11/2002 Brunson
6,513,412 B2 2/2003 Young
6,520,059 B1 2/2003 Stumpf et al.
6,595,095 B2 7/2003 Chen
6,606,931 B1 8/2003 Brunson et al.
6,609,442 B2 8/2003 Dibbern, Jr. et al.
D479,251 S 9/2003 Wright
D481,401 S 10/2003 Shoene et al.
6,631,661 B2 10/2003 Brunson et al.
6,658,976 B2 12/2003 Dils et al.
6,758,123 B2 7/2004 Svetlik et al.
6,769,338 B2 8/2004 Svetlik et al.
6,779,428 B2 8/2004 Kao
6,810,780 B2 11/2004 Ceroll et al.
6,823,765 B2 11/2004 Stumpf et al.

D513,271 S 12/2005 Ozawa et al.
6,971,297 B1 12/2005 Meredith et al.
7,013,780 B2 3/2006 Brunson
2001/0000552 A1 5/2001 Watson
2001/0000856 A1 5/2001 O'Banion
2001/0042429 A1 11/2001 Brunson et al.
2002/0020265 A1 2/2002 Gass et al.
2002/0059853 A1 5/2002 Gass et al.
2002/0059854 A1 5/2002 Gass et al.
2002/0059855 A1 5/2002 Gass et al.
2003/0015078 A1 1/2003 Taylor
2003/0200852 A1 10/2003 Romo
2004/0060405 A1 4/2004 Kao
2004/0089125 A1 5/2004 Schoene et al.
2004/0112190 A1 6/2004 Hollis et al.
2004/0134818 A1 7/2004 Cunningham et al.
2004/0154448 A1 8/2004 Romo et al.
2004/0216575 A1 11/2004 Brunson et al.
2005/0045013 A1 3/2005 Stumpf et al.
2005/0223571 A1 10/2005 Park et al.
2005/0241452 A1 11/2005 Bergmann
2005/0247177 A1 11/2005 Hetcher et al.
2005/0262984 A1 12/2005 Hetcher et al.
2005/0284276 A1 12/2005 Talesky et al.
2006/0000328 A1 1/2006 Terashima et al.
2006/0000329 A1 1/2006 Terashima et al.
2006/0000330 A1 1/2006 Terashima et al.
2006/0000331 A1 * 1/2006 Ozawa et al. 83/471.3
2006/0005676 A1 1/2006 Terashima et al.
2006/0011036 A1 1/2006 Ushiwata et al.
2006/0011037 A1 1/2006 Ushiwata et al.
2007/0234864 A1 * 10/2007 Bettacchini 83/471.3

FOREIGN PATENT DOCUMENTS

EP 0 779 122 6/1997
EP 0 857 550 8/1998
EP 1 208 952 5/2002
EP 1 256 407 11/2002
EP 1 310 339 5/2003
JP 2002 254238 9/2002
TW 445905 7/2001
TW 481090 3/2002

OTHER PUBLICATIONS

Milwaukee Electric Sales Catalog 194 "Heavy-Duty Electric Tools for Contractors & Industry", 1994, pp. 60-61, 76.
Delta Machinery, Sidekick 10" Compound Slide Saw (Models 36-240 and 36-250) Instruction Manual, 2001, U.S.A.
Hitachi, C12FSA 12" Sliding Dual Compound Miter Saw, Official Hitachi Sell Sheet, <http://www.hitachi.us/Apps/hitachicom/content.jsp?page=WoodworkingTools/MiterSaws/details/C12FSA>, at least as early as Sep. 15, 2003.
Makita, LS1212-12" Dual Slide Compound Saw, Instruction Manual, 1999, and http://www.makita.com/tools_Item_View.asp?id=299, Sep. 15, 2003, USA.
Dewalt, Heavy-Duty 12" (305mm) Double-Bevel Sliding Compound Miter Saw—DW708, http://www.dewalt.com/us/products/tools_detail_print.asp?productID+4741, Sep. 15, 2003.

* cited by examiner

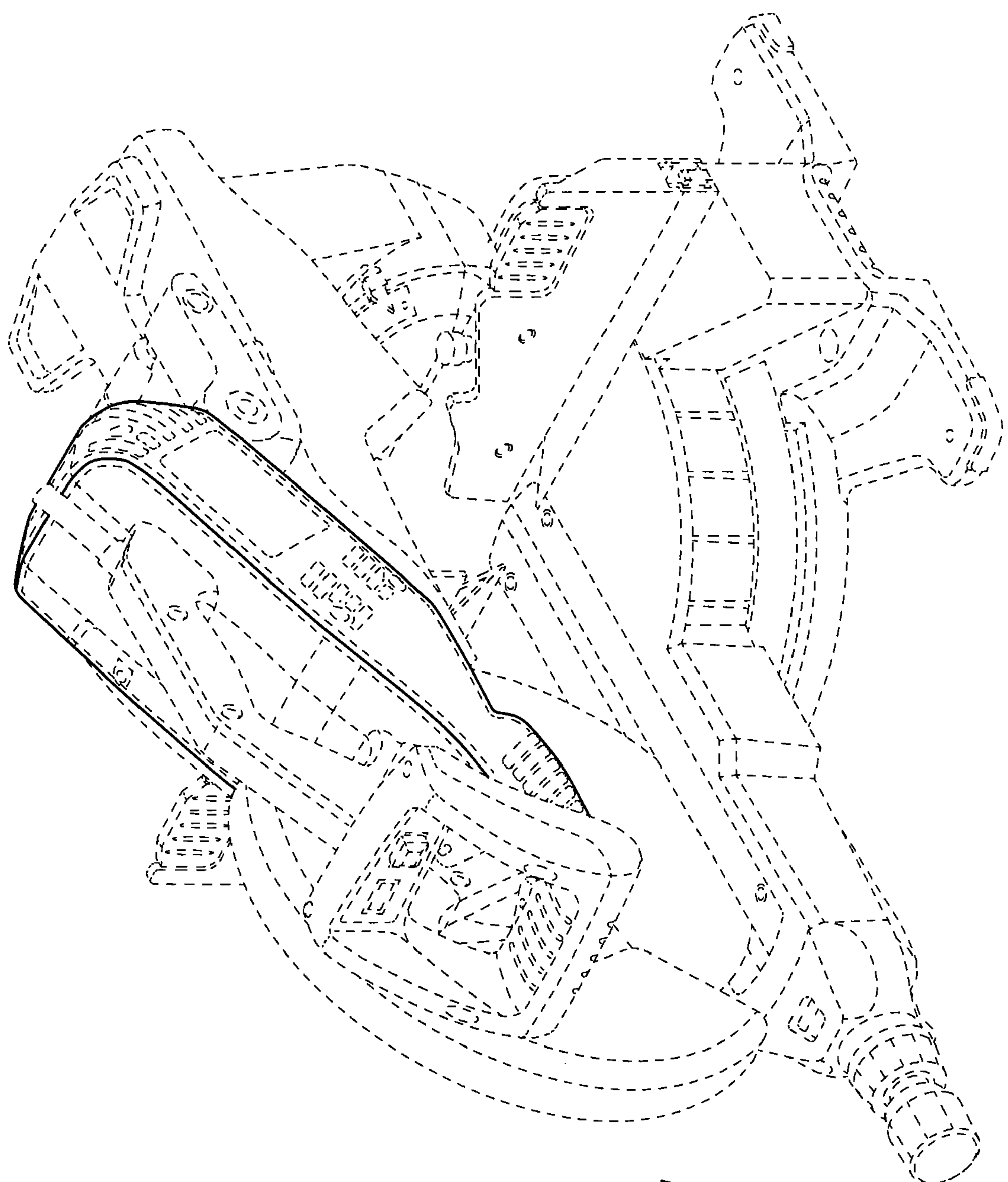


FIG. 1

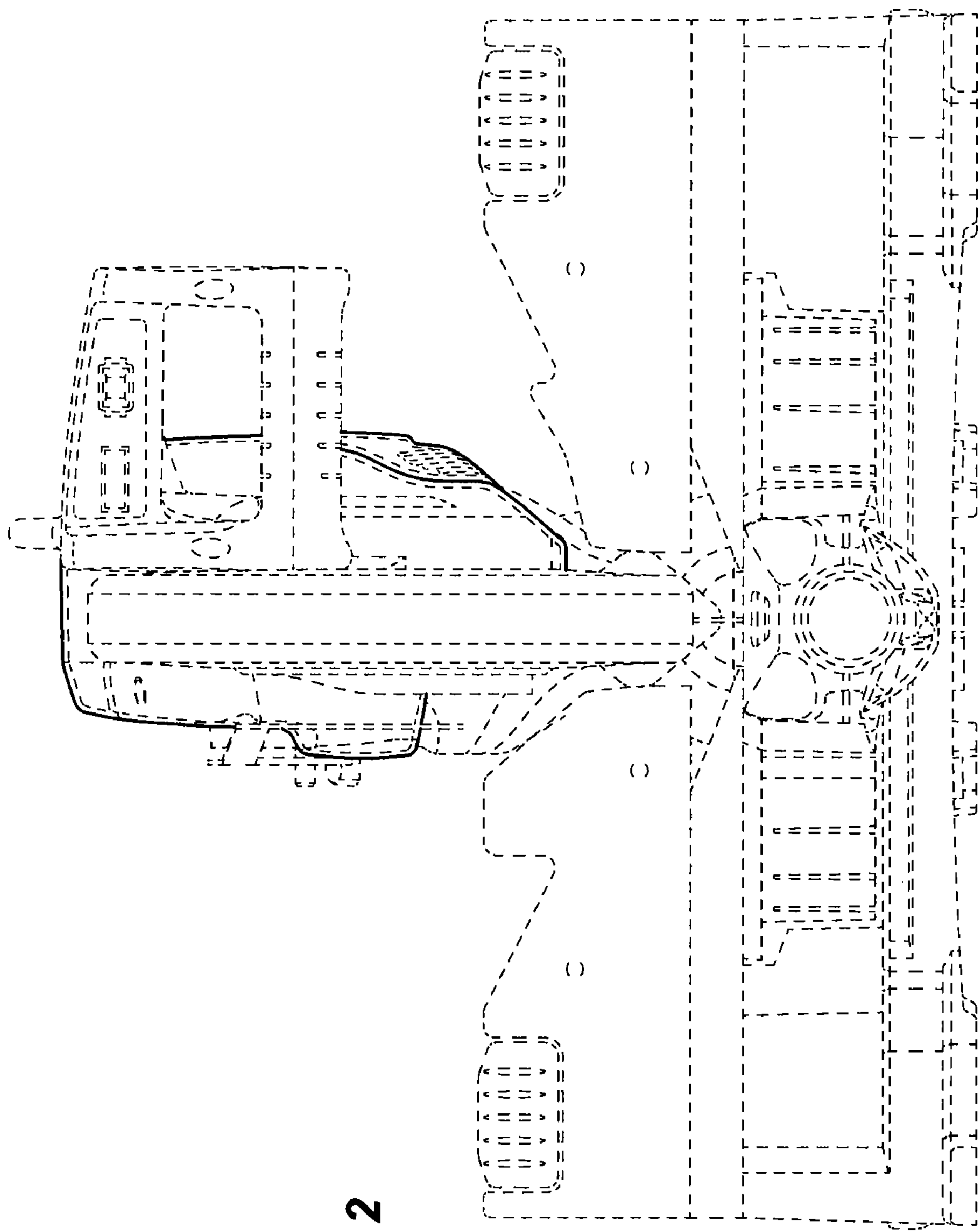


FIG. 2

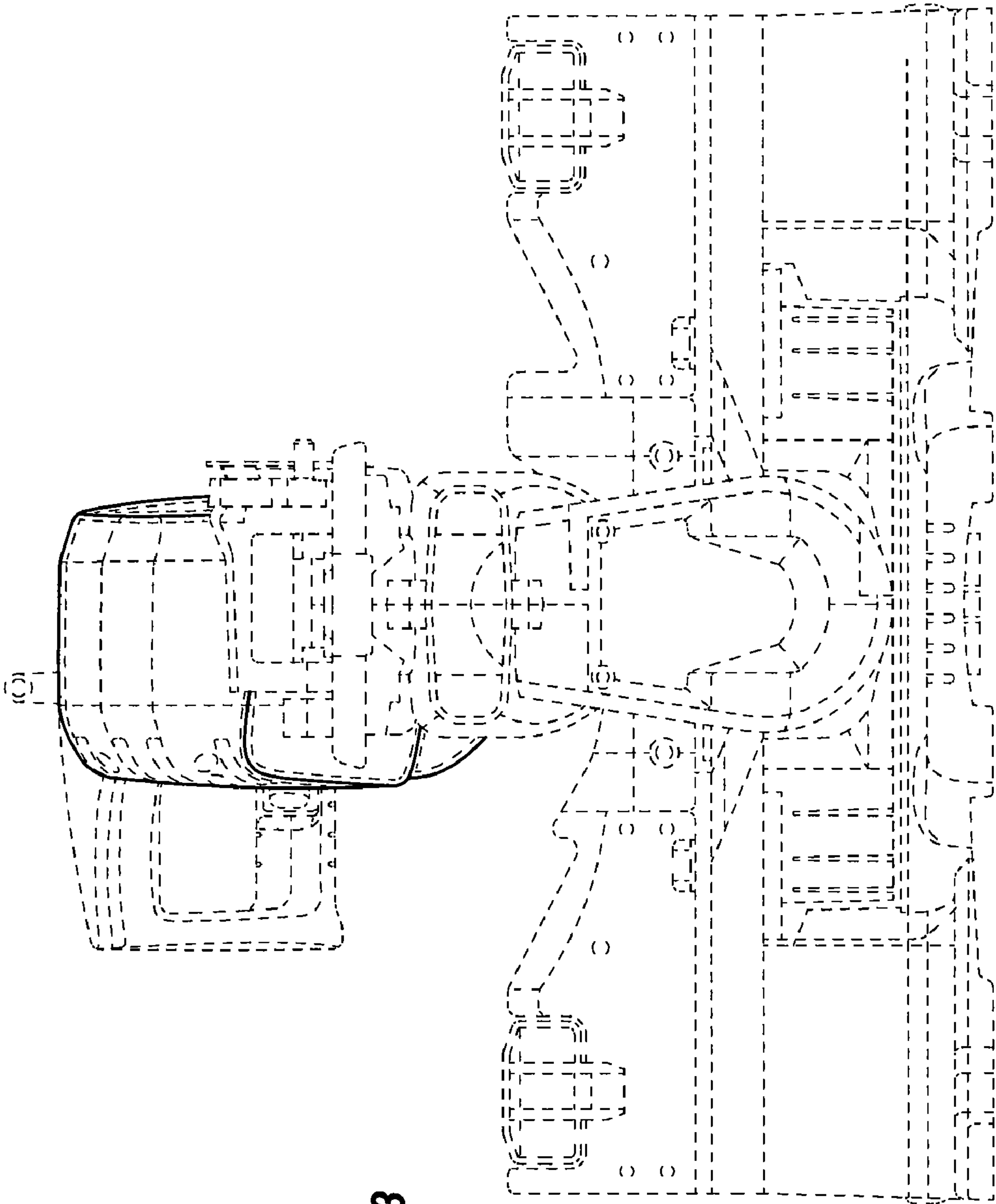


FIG. 3

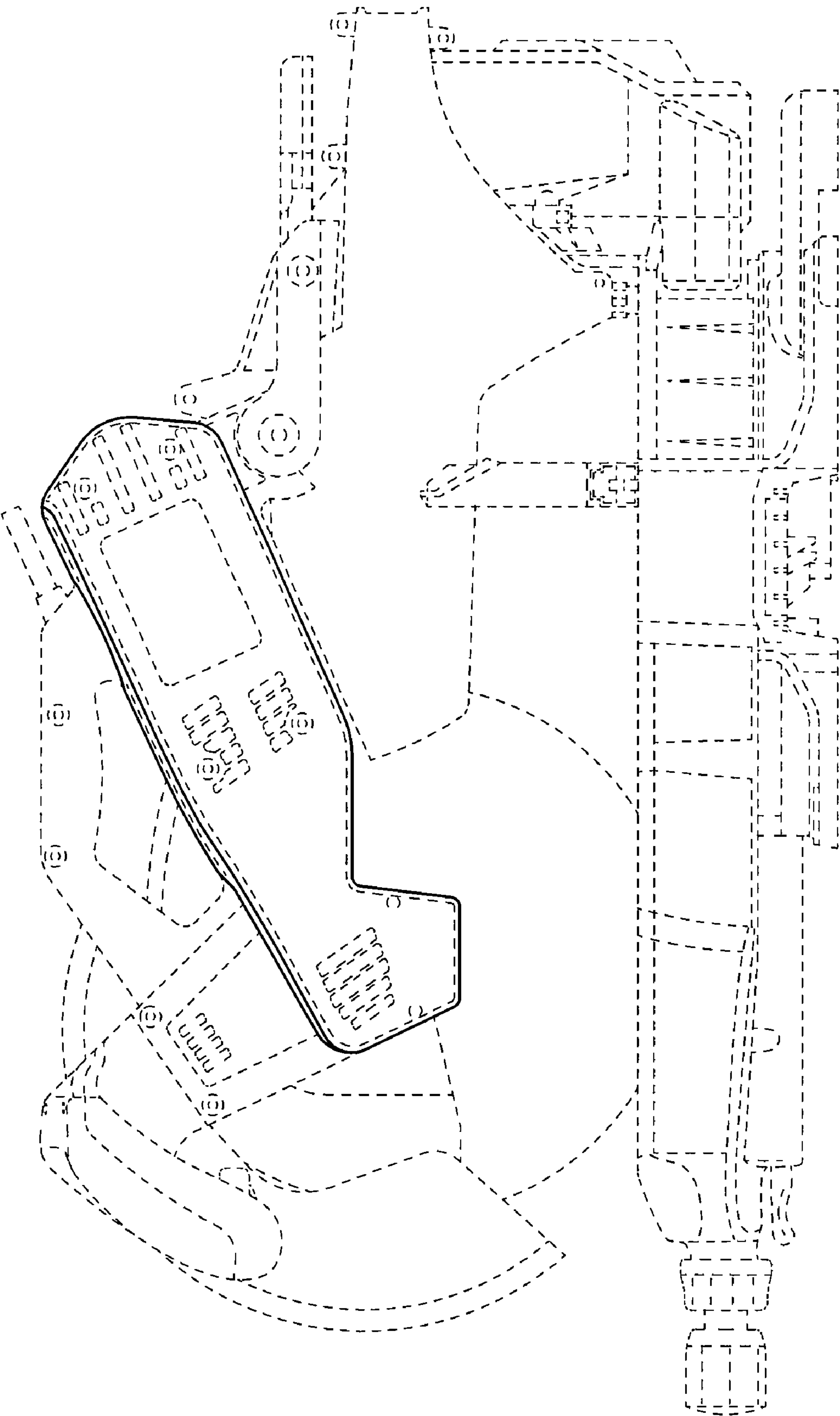


FIG. 4

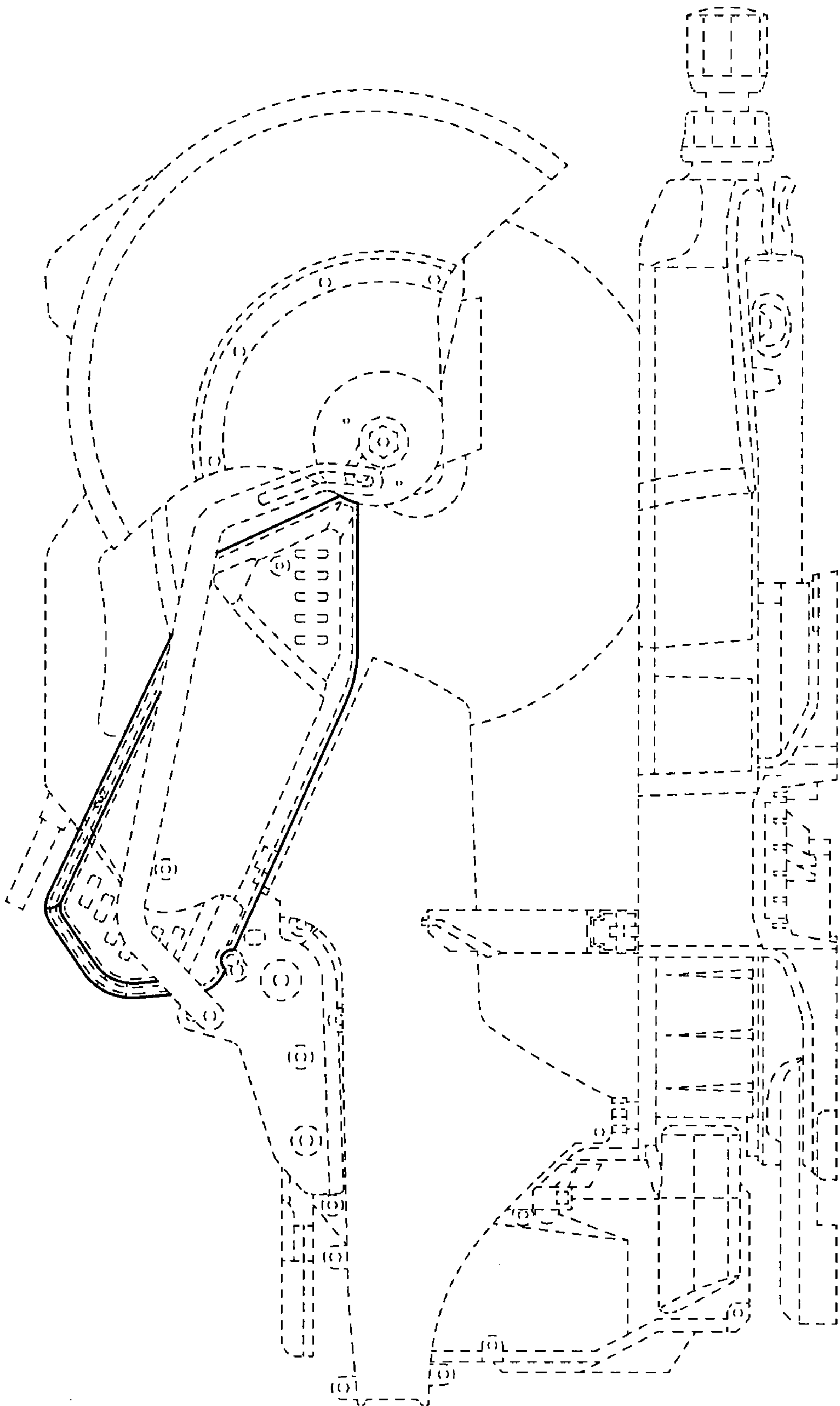


FIG. 5

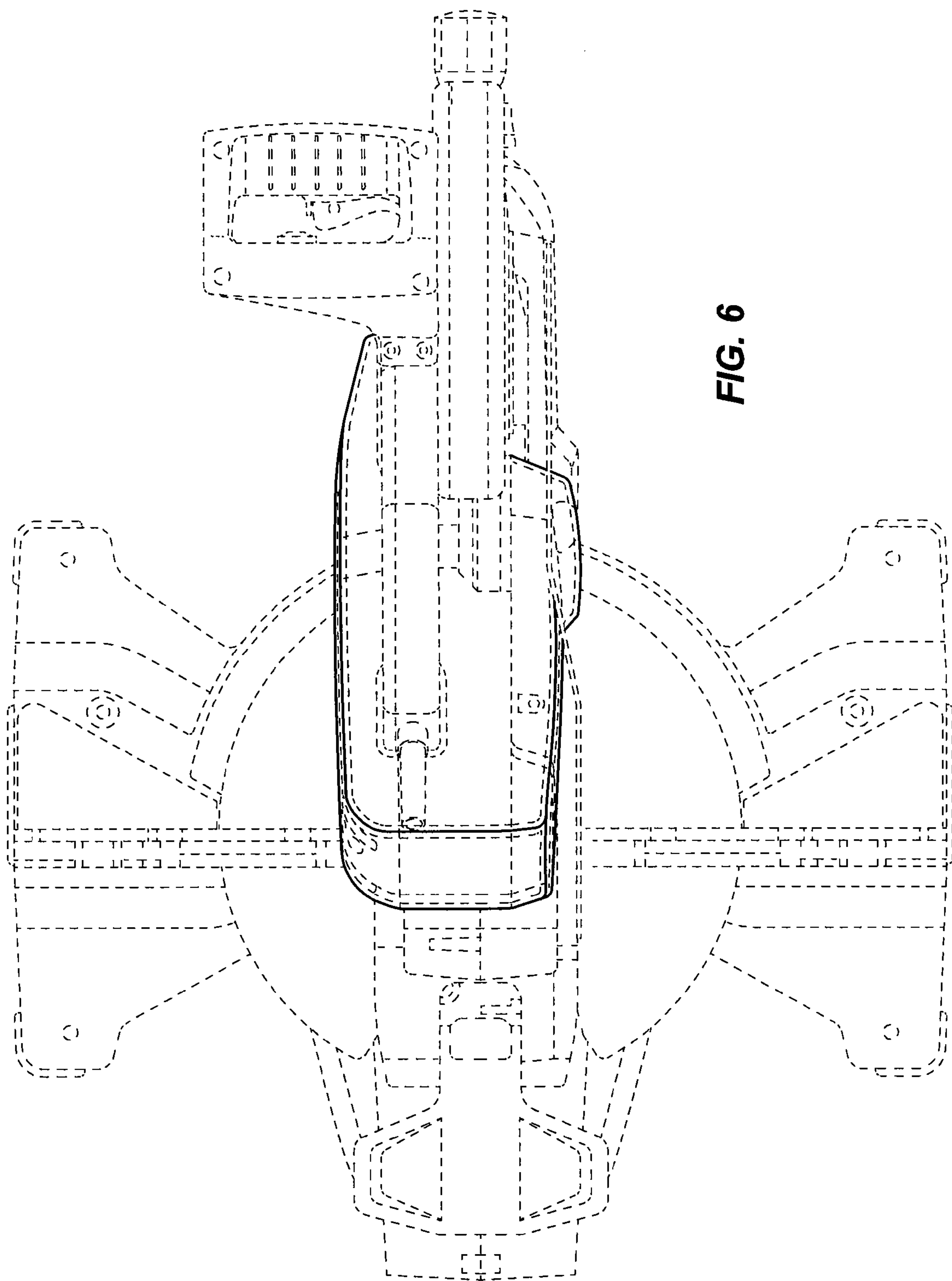


FIG. 6

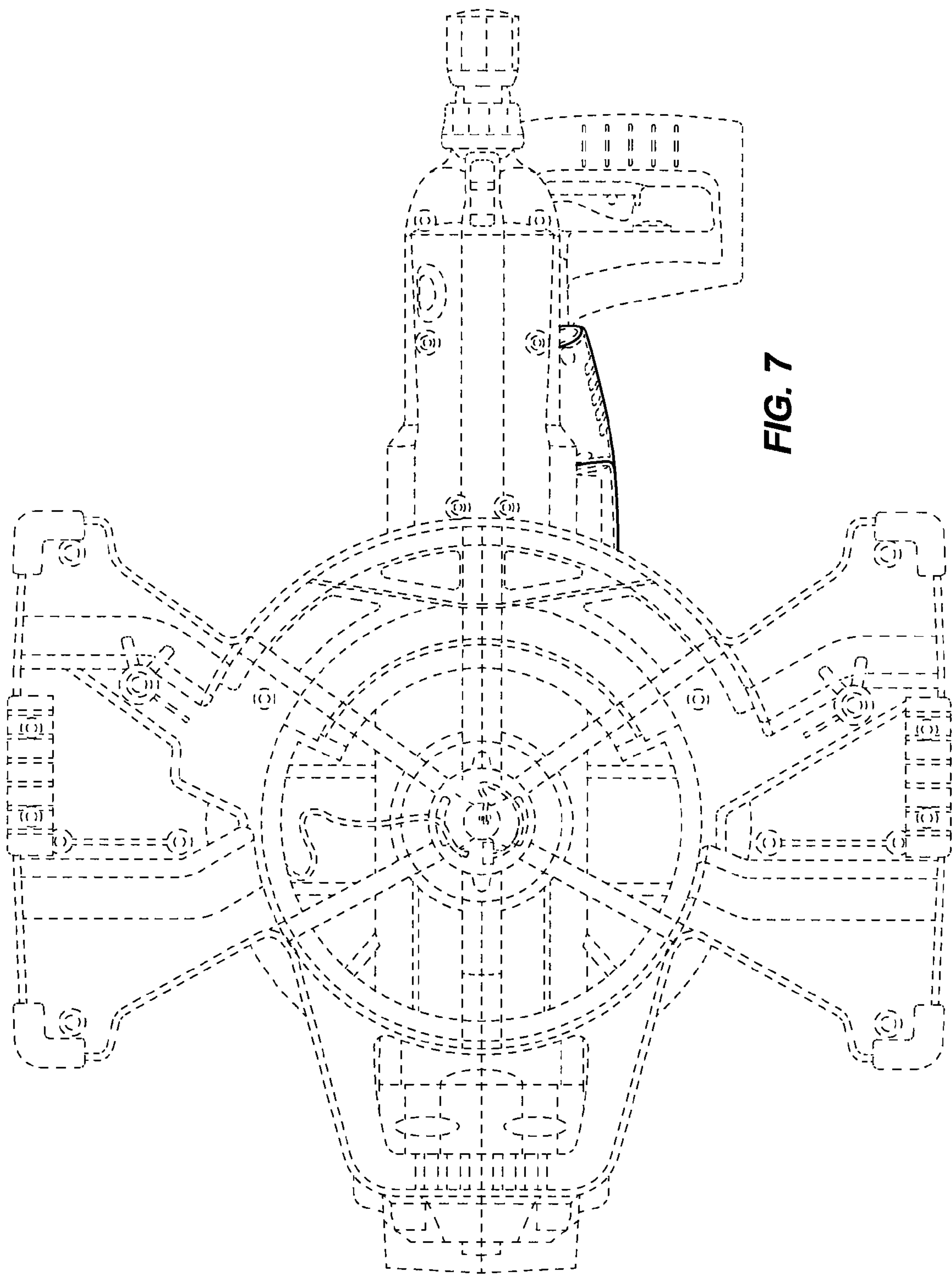


FIG. 7