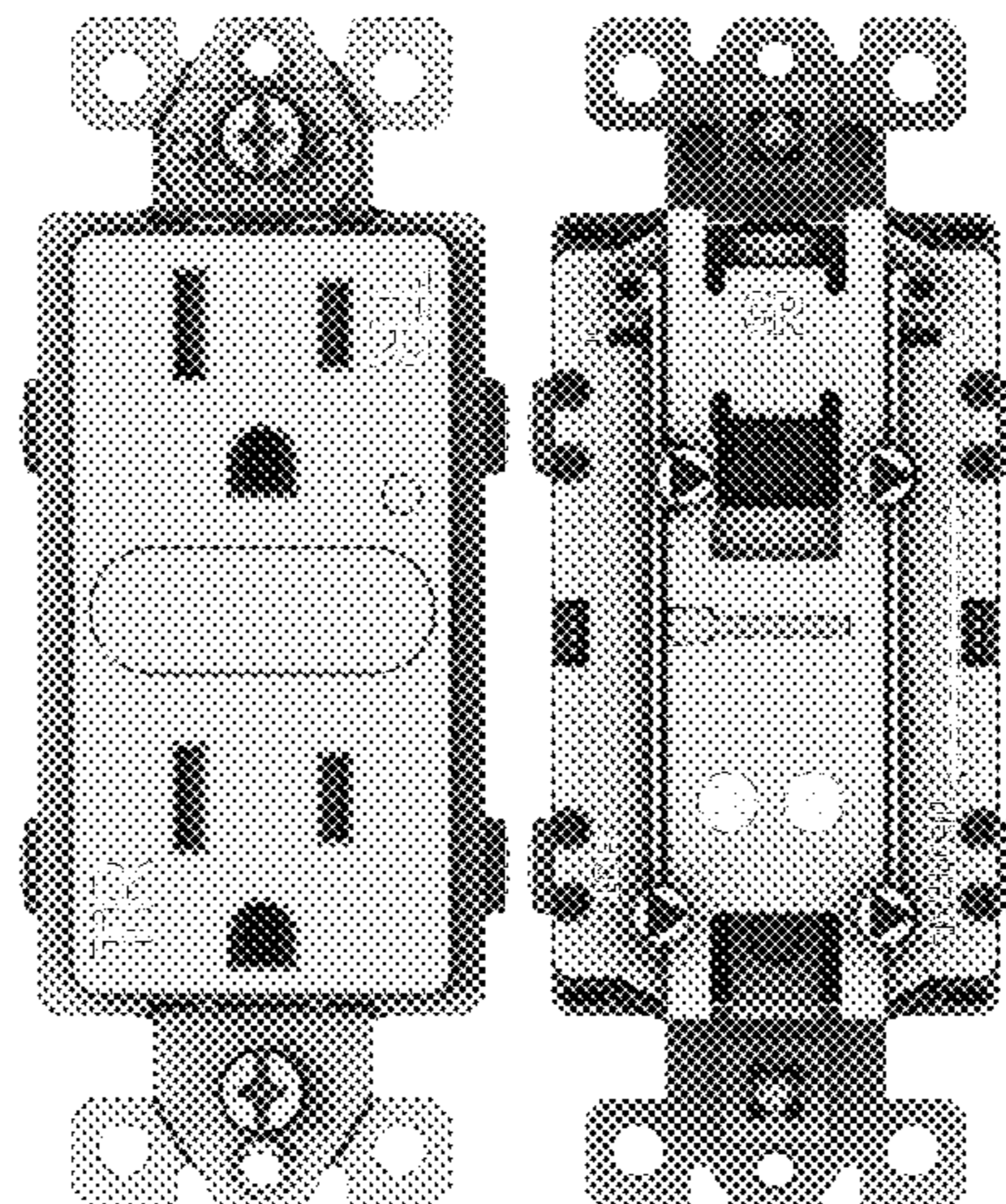




US00D987581S

(12) **United States Design Patent** (10) **Patent No.:** **US D987,581 S**
Fu et al. (45) **Date of Patent:** **** May 30, 2023**

- (54) **SOCKET** 5,146,385 A * 9/1992 Misencik H01R 13/6666
361/111
- (71) Applicant: **SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD**, Macquarie Park (AU) 5,510,760 A 4/1996 Marcou et al.
D413,862 S 9/1999 Huang et al.
D419,531 S 1/2000 Keung et al.
D430,539 S 9/2000 Leopold et al.
- (72) Inventors: **Jiayu Fu**, Shenzhen (CN); **Fuhua Shan**, Shenzhen (CN) 6,204,449 B1 3/2001 Putorti et al.
6,433,555 B1 8/2002 Leopold et al.
6,437,700 B1 8/2002 Herzfeld et al.
D462,660 S 9/2002 Huang et al.
D470,108 S 2/2003 Daoxian et al.
D512,021 S * 11/2005 Fort D13/139.6
D521,932 S 5/2006 Fort et al.
D532,376 S 11/2006 Bazayev et al.
D545,272 S 6/2007 Zhang et al.
D598,859 S 8/2009 Vaccaro et al.
D601,962 S 10/2009 Song
D674,753 S 1/2013 Jansen et al.
D686,577 S 7/2013 Flagello
D692,385 S 10/2013 Dodal et al.
D703,139 S 4/2014 Dodal et al.
D715,225 S 10/2014 Mininger et al.
D719,512 S 12/2014 Roy
D722,562 S 2/2015 Restrepo et al.
D744,952 S 12/2015 Ni et al.
D777,673 S 1/2017 Gouhl et al.
D800,662 S 10/2017 Wu
- (73) Assignee: **Schneider Electric (Australia) PTY LTD**, Macquarie Park (AU) 9,871,329 B1 * 1/2018 Lacey H01R 13/7137
D813,818 S 3/2018 Ni et al.
D817,281 S 5/2018 Salas et al.
D817,884 S 5/2018 Salas et al.
D817,885 S 5/2018 Salas et al.
D820,211 S 6/2018 Salas et al.
D840,349 S 2/2019 Weeks
D845,245 S 4/2019 Tao
D851,042 S 6/2019 Pan et al.
D856,935 S 8/2019 Pan et al.
D858,444 S 9/2019 Ni et al.
D858,445 S 9/2019 Ni et al.
10,483,679 B1 11/2019 Kadam et al.
D870,047 S 12/2019 Salas et al.
D870,671 S 12/2019 Salas et al.
D873,775 S 1/2020 Salas et al.
D877,081 S 3/2020 Salas et al.
D883,220 S 5/2020 Salas et al.
D883,221 S 5/2020 Salas et al.
D887,362 S 6/2020 Pan et al.
D887,983 S * 6/2020 Altonen D13/139.3
10,770,843 B1 9/2020 Zhang et al.
D908,093 S 1/2021 Pan et al.
D911,972 S 3/2021 Ni et al.
D928,713 S 8/2021 Ni et al.
D931,222 S 9/2021 Ni et al.
- (**) Term: **15 Years**
- (21) Appl. No.: **29/805,934**
- (22) Filed: **Aug. 31, 2021**
- Related U.S. Application Data**
- (62) Division of application No. 29/703,901, filed on Aug. 30, 2019, now Pat. No. Des. 958,753.
- (51) **LOC (14) Cl.** **13-03**
- (52) **U.S. Cl.**
USPC **D13/139.1**
- (58) **Field of Classification Search**
USPC D13/137.1-137.4, 138.1, 138.2,
D13/139.1-139.8, 171, 173, 174, 178,
D13/184, 110
CPC .. H01R 13/639; H01R 13/6392; H01R 13/64;
H01R 13/642; H01R 13/648; H01R
13/652; H01R 13/66; H01R 13/6666;
H01R 13/6683; H01R 13/68; H01R
13/713; H01R 25/00; H01R 25/003;
H01R 25/006; H01R 2103/00; H01R
24/20; H01R 24/22; H01R 24/28; H01R
24/30; H02G 3/12; H02G 3/14; H01H
73/06; H01H 71/58; H01H 83/04; H01H
73/08
- See application file for complete search history.
- (56) **References Cited**
U.S. PATENT DOCUMENTS



D935,414	S	11/2021	Ni et al.	
D936,597	S	11/2021	Salas et al.	
D936,599	S	11/2021	Salas et al.	
D945,371	S	3/2022	Junko et al.	
2003/0016477	A1	1/2003	Li	
2003/0206085	A1	11/2003	Germain et al.	
2004/0021996	A1	2/2004	Wu et al.	
2004/0070474	A1*	4/2004	Wu	H01H 83/04 361/42
2004/0252425	A1	12/2004	Baldwin et al.	
2005/0212646	A1	9/2005	Watchom	
2005/0264383	A1	12/2005	Zhang	
2006/0028316	A1*	2/2006	Fabian	H01R 13/7137 337/16
2006/0044086	A1	3/2006	Wang	
2007/0035898	A1*	2/2007	Baldwin	H02H 3/335 361/42
2007/0211397	A1	9/2007	Sokolow et al.	
2007/0268635	A1	11/2007	Bonasia et al.	
2008/0112099	A1	5/2008	Li et al.	
2009/0086389	A1*	4/2009	Huang	H01H 83/04 361/45
2009/0227130	A1	9/2009	Carbone	
2009/0256661	A1	10/2009	Li	
2010/0226053	A1	9/2010	Kamor et al.	
2011/0011714	A1	1/2011	Gao	
2011/0104918	A1	5/2011	Chen et al.	
2011/0104919	A1*	5/2011	Patel	H01R 13/70 439/620.22
2013/0184890	A1	7/2013	Li et al.	
2013/0260613	A1*	10/2013	Misener	F21V 21/04 439/653
2014/0321006	A1	10/2014	Huang	
2015/0333498	A1	11/2015	Weeks	
2018/0061605	A1	3/2018	Huang	
2019/0097364	A1	3/2019	Mortun et al.	
2022/0020551	A1	1/2022	Chen et al.	

OTHER PUBLICATIONS

Embrighten 55256 Z-Wave Plus Smart Receptacle. Amazon. Oldest review date: Jul. 15, 2017. Retrieval date: Mar. 24, 2022. Retrieved from internet: <https://www.amazon.com/Embrighten-55256-Receptacle-Assistant-Tamper-Resistant/dp/B07361JZ2H> (Year: 2017).*

Leviton DW15R-1BW Decora Smart Wi-Fi Tamper Resistant Outlet. Amazon. Oldest review date: Feb. 3, 2020. Retrieval date: Mar. 24, 2022. Retrieved from internet: <https://www.amazon.com/Leviton-DW15R-1BW-Resistant-Required-Assistant/dp/B088P5LSD4> (Year: 2020).*

X Series 15A 125V Tamper Resistant USB A/A 4.8A Duplex Decorator Outlet by Schneider Electric, se.com. Date viewed: Jun. 23, 2021. Retrieved from internet: <https://www.se.com/us/en/product/SQR55141WH/x-series-15a-125v-tamper-resistant-usb-a-a-4.8a-duplex-decorator-outlet-back-wire-clamps-matte-white> (Year: 2021).

X Series 15A 125V Tamper Resistant USB NC 5.4A Duplex Decorator Outlet by Schneider Electric, se.com. Date viewed: Jun. 23, 2021. Retrieved from internet: <https://www.se.com/us/en/product/SQR55153WH/x-series-15a-125v-tamper-resistant-usb-a-c-5.4a-duplex-decorator-outlet-back-wire-clamps-matte-white> (Year: 2021).

X Series 20A 125V Tamper Resistant USB A/A 4.8A Duplex Decorator Outlet by Schneider Electric, se.com. Date viewed: Jun. 23, 2021. Retrieved from internet: <https://www.se.com/us/en/>

[product/SQR55241WH/x-series-20a-125v-tamper-resistant-usb-a-a-4.8a-duplex-decorator-outlet-back-wire-clamps-matte-white](https://www.se.com/us/en/product/SQR55241WH/x-series-20a-125v-tamper-resistant-usb-a-a-4.8a-duplex-decorator-outlet-back-wire-clamps-matte-white) (Year: 2021).

Topgreener 3.6A USB Wall Outlet Charger (Upgraded) 15A Tamper-Resistant Receptacles. Amazon. Oldest review date: Mar. 7, 2018. Retrieval date: Jun. 24, 2021. Retrieved from internet: <https://www.amazon.com/TOPGREENER-Outlet-Receptacle-Compatible-Samsung/dp/B076PKVPHQ> (Year: 2018).

Topgreener TU21558AC 5.8A Ultra-High-Speed USB Type C/A Wall Outlet Charger, 15A TR Receptacle. Amazon. Oldest review date (5.8A outlet): Jun. 25, 2018. Retrieval date: Jun. 24, 2021. Retrieved from internet: <https://www.amazon.com/TOPGREENER-TU2154A-Electrical-Receptacle-Screwless/dp/B074KNH1JS> (Year: 2018).

GFCI Outlet Tamper Resistant Receptacle with LED indicator by micmi. Amazon. Oldest review date: Apr. 9, 2019. Retrieval date: Mar. 24, 2022. Retrieved from internet: <https://www.amazon.com/Resistant-Receptacle-Indicator-Wallplate-MICMI/dp/B07MCSXV5M> (Year: 2019).

Micmi GFCI Outlet Tamper Resistant Receptacle with LED Indicator. Amazon. Oldest review date: Oct. 6, 2018. Retrieval date: Mar. 24, 2022. Retrieved from internet: <https://www.amazon.com/dp/B08BTSC13Z> (Year: 2018).

Topgreen ER Smart Wifi Outlet with Energy Monitoring. Amazon. Oldest review date: Oct. 8, 2018. Retrieval date: Mar. 24, 2022. Retrieved from internet: <https://www.amazon.com/dp/B07BX13MLF> (Year: 2018).

GE Z-wave 15-Amp Residential Duplex Smart Outlet. Lowe's. Oldest review date: Mar. 17, 2015. Retrieval date: Mar. 24, 2022. Retrieved from internet: <https://www.lowes.com/pd/GE-Z-wave-White-15-Amp-Duplex-Smart-Outlet-Residential-Outlet/50329997> Year: 2015).

* cited by examiner

Primary Examiner — Daniel J Domino

Assistant Examiner — Lee D. Starr

(74) Attorney, Agent, or Firm — Locke Lord LLP

(57) CLAIM

The ornamental design for a socket, as shown and described.

DESCRIPTION

FIG. 1 is a front view of the socket, showing my new design. FIG. 2 is a back view thereof. FIG. 3 is a top 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. FIG. 7 is a front perspective view thereof; and, FIG. 8 is a back perspective view thereof. The masked areas adjacent to the dash-dot broken lines in the drawings depict portions of the socket that form no part of the claimed design. The dash-dot broken lines define the bounds of the claimed design and form no part thereof.

1 Claim, 7 Drawing Sheets



FIG. 1

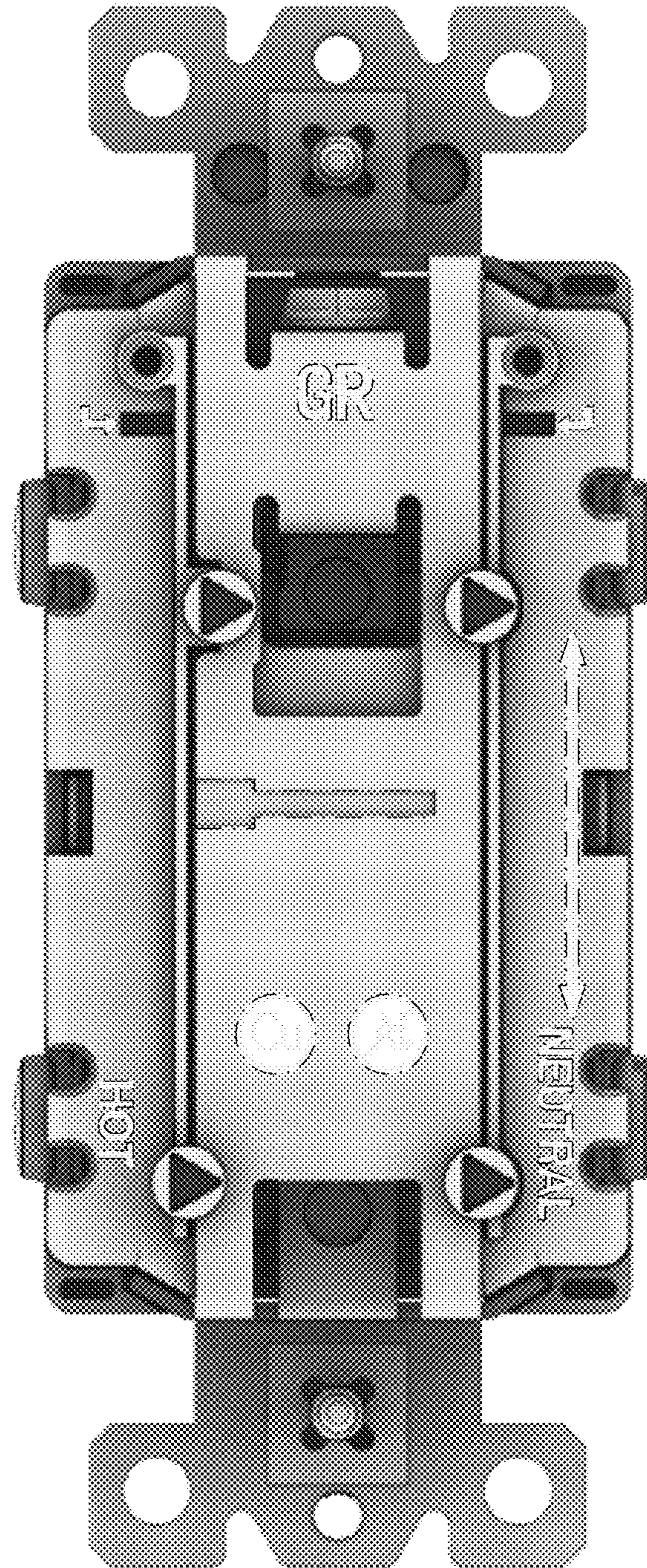


FIG. 2

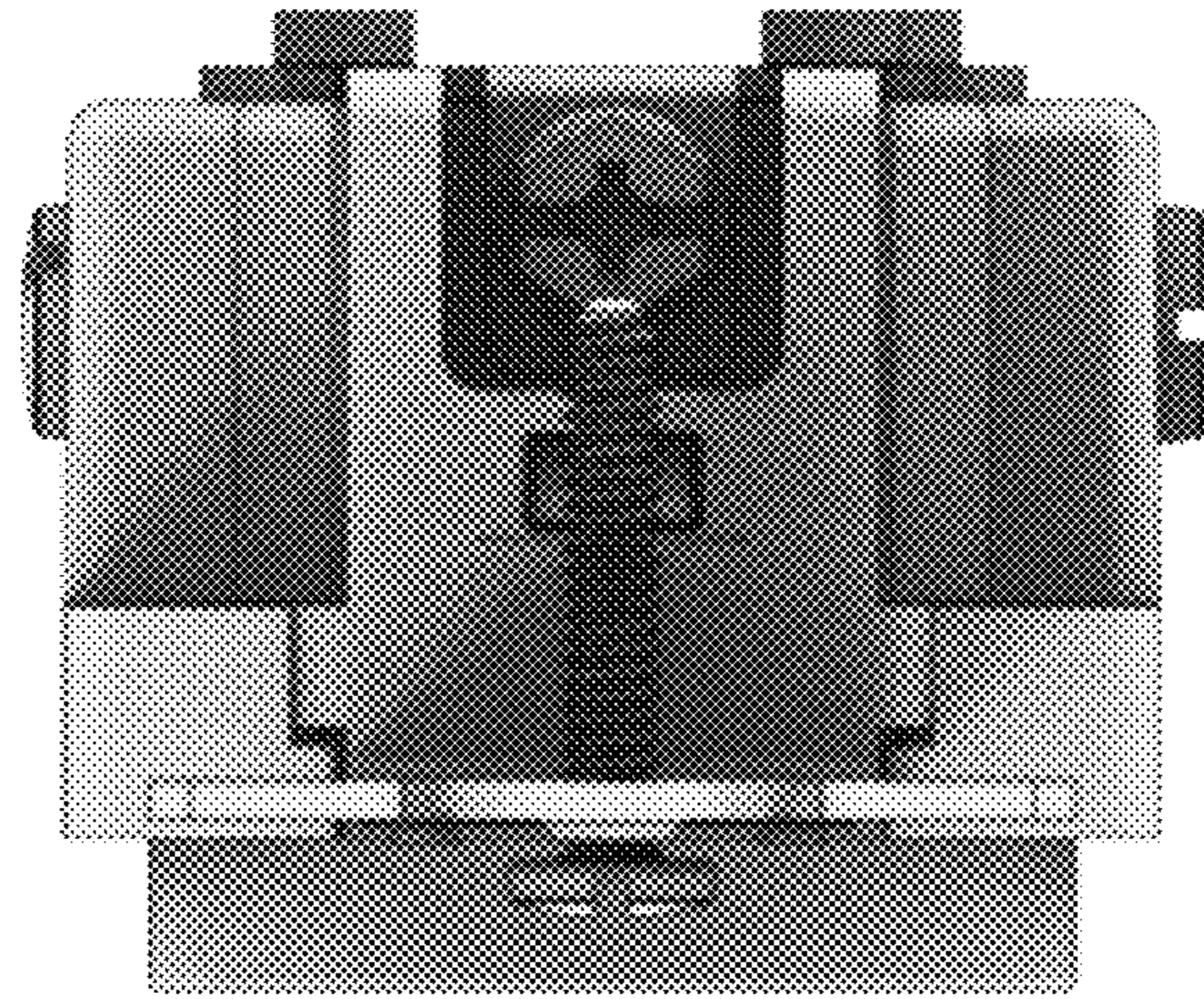


FIG. 3

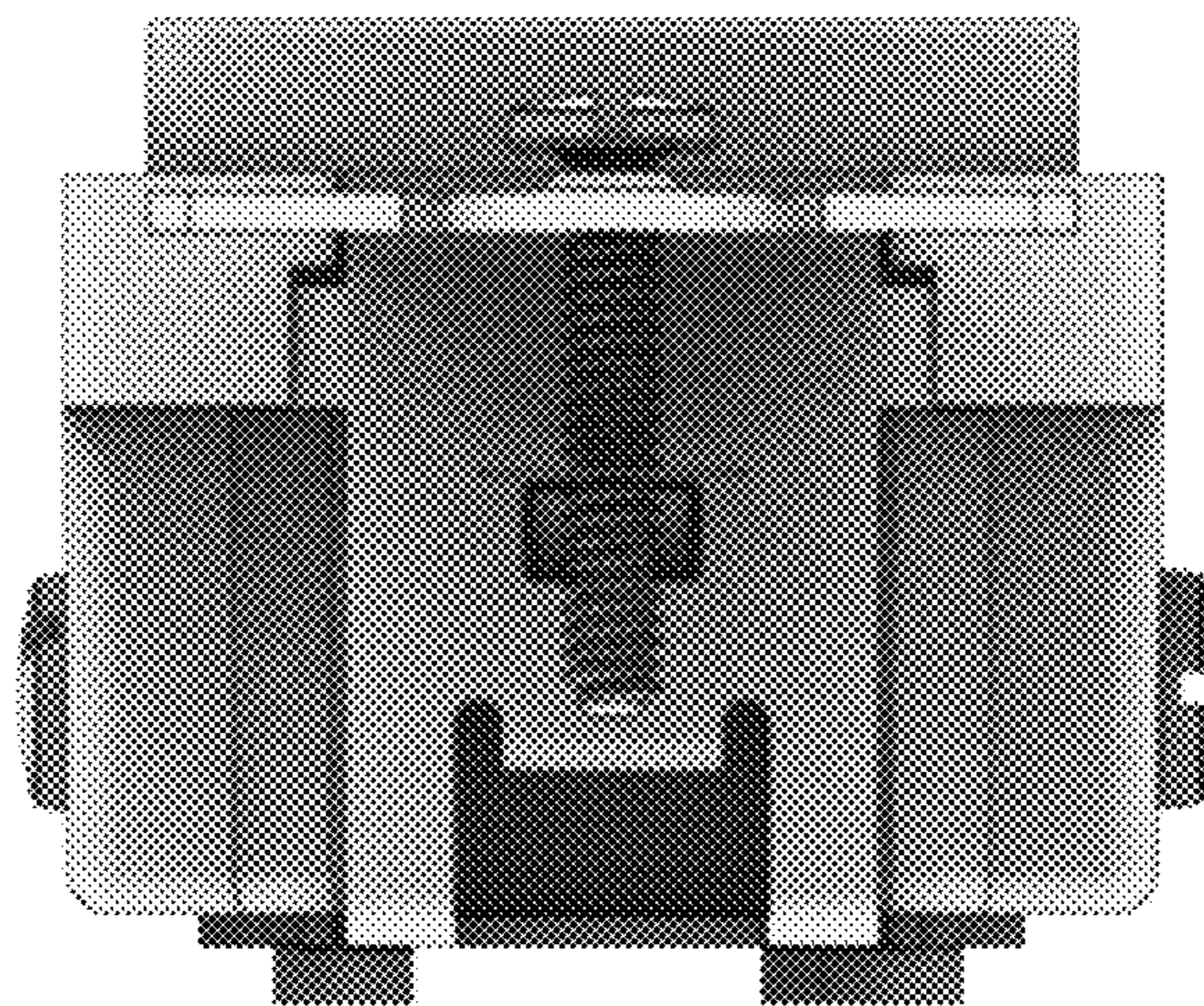


FIG. 4

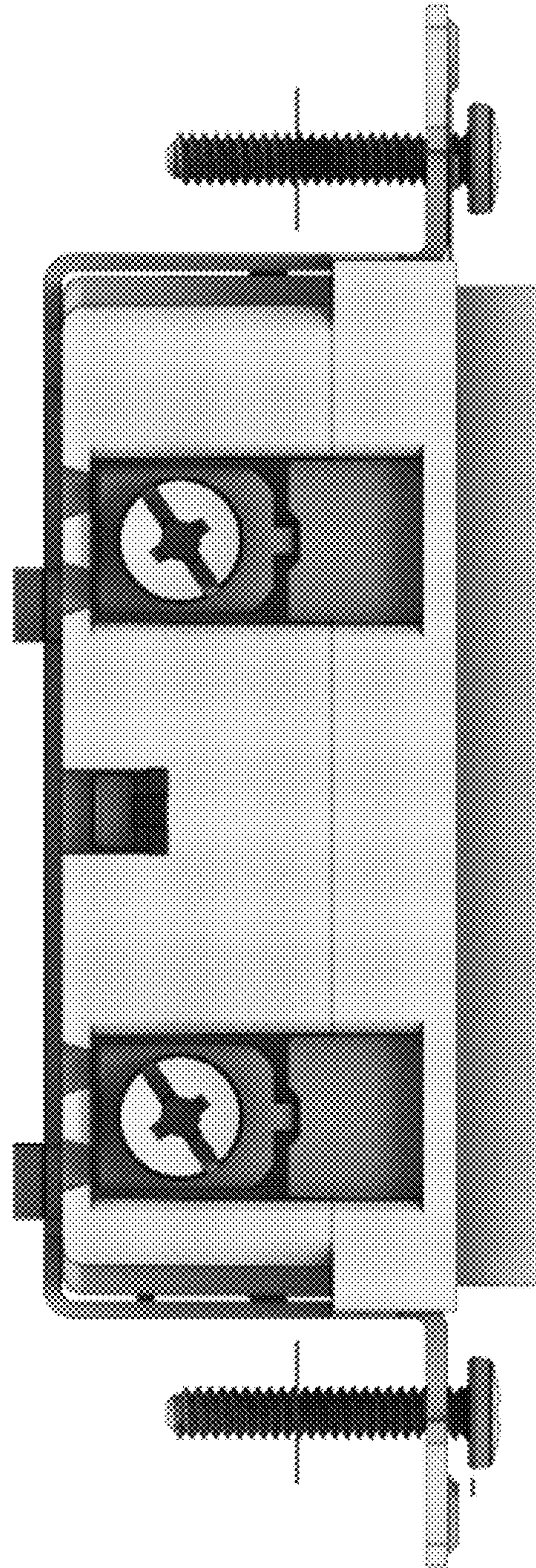


FIG. 5

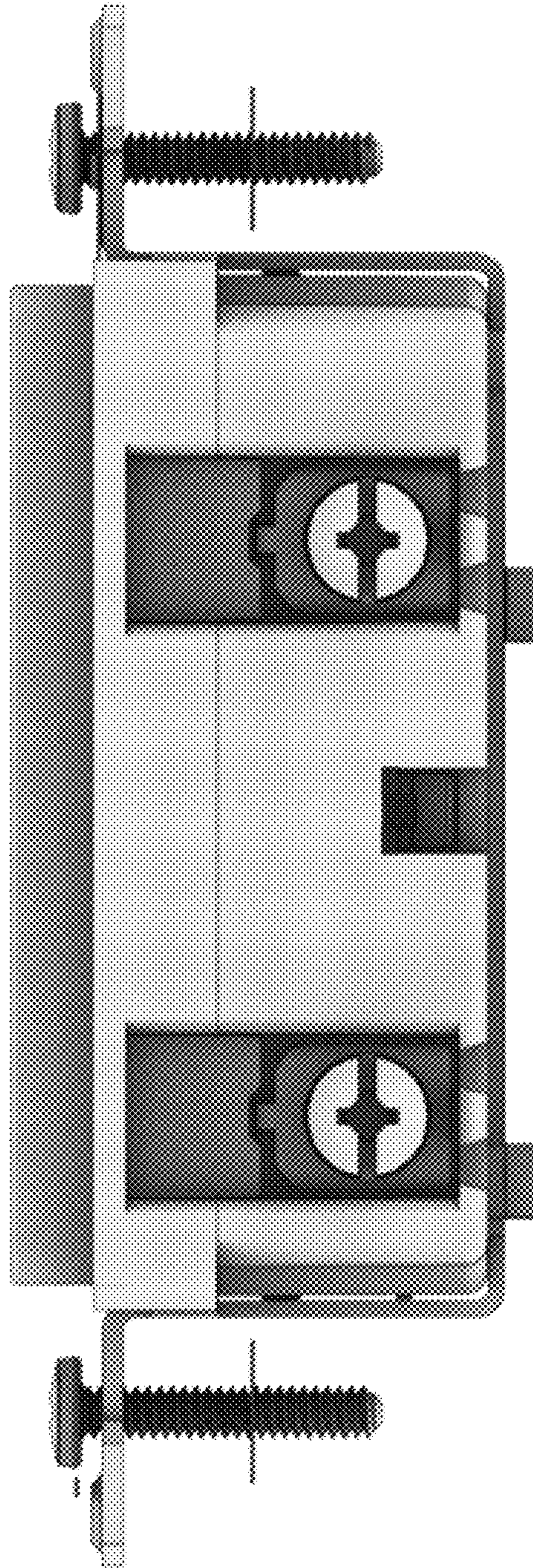


FIG. 6



FIG. 7

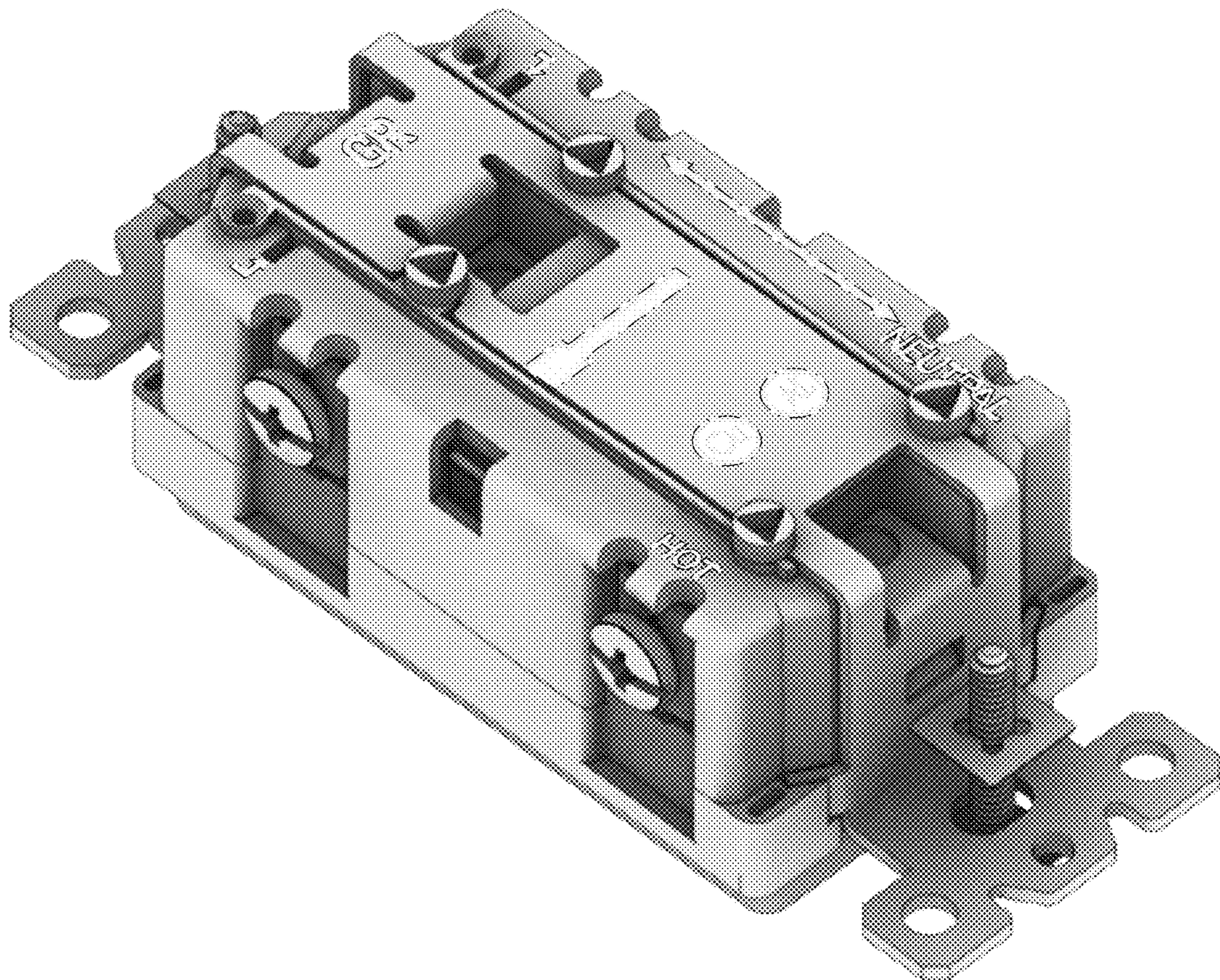


FIG. 8