



(12) **United States Design Patent**  
**Meuli**

(10) **Patent No.:** **US D942,292 S**  
(45) **Date of Patent:** **\*\* Feb. 1, 2022**

(54) **DIFFERENTIAL PRESSURE TRANSMITTER**

- (71) Applicant: **DWYER INSTRUMENTS, INC.**,  
Michigan City, IN (US)
- (72) Inventor: **Jeffrey Vern Meuli**, LaPorte, IN (US)
- (73) Assignee: **DWYER INSTRUMENTS, INC.**,  
Michigan City, IN (US)
- (\*\*) Term: **15 Years**

(21) Appl. No.: **29/737,686**

(22) Filed: **Jun. 11, 2020**

(51) **LOC (13) Cl.** ..... **10-04**

(52) **U.S. Cl.** ..... **D10/96; D10/97**

(58) **Field of Classification Search**  
 USPC ..... D10/96-103, 46, 47, 75-79, 80-82, 61,  
 D10/65, 67, 106.91, 106.9, 106.4  
 CPC ..... G01L 19/0023; G01L 19/143; G01L  
 19/0092; G01L 19/086; G01K 13/00;  
 G01K 1/024; G05D 7/0635; H04L  
 2012/2841; H04L 12/2827; H04L  
 2012/285; G01F 23/02; G01F 1/05; G01F  
 1/22; G01F 1/26; G01F 1/28; G01F  
 15/06; G01F 23/0015; B60P 3/228; B60P  
 3/2265; G01P 5/24; G01P 15/00; G01P  
 1/06

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D348,017 S \* 6/1994 Poleshuk ..... D10/96
  - D421,927 S \* 3/2000 Binder ..... D10/103
  - D560,530 S \* 1/2008 Fisher ..... D10/85
  - D562,168 S \* 2/2008 Johnson ..... D10/96
- (Continued)

**FOREIGN PATENT DOCUMENTS**

- CA 119057 \* 1/2007
  - CN 300855476 \* 12/2008
- (Continued)

**OTHER PUBLICATIONS**

Dwyer, Differential Pressure Transmitter, Date first available Oct. 11, 2012, [online]retrieved Sep. 20, 2021, available from [https://www.amazon.com/Dwyer-Differential-Pressure-Transmitter-Background/dp/B009PAM7ES/ref=sr\\_1\\_5?dchild=1&keywords=DIFFERENTIAL+PRESSURE+TRANSMITTER&qid=1632154835&s=industrial](https://www.amazon.com/Dwyer-Differential-Pressure-Transmitter-Background/dp/B009PAM7ES/ref=sr_1_5?dchild=1&keywords=DIFFERENTIAL+PRESSURE+TRANSMITTER&qid=1632154835&s=industrial) (Year: 2012).\*

(Continued)

*Primary Examiner* — Keli L Hill

*Assistant Examiner* — Sara S Sahneh

(74) *Attorney, Agent, or Firm* — Tarolli, Sundheim,  
Covell & Tummino LLP

(57) **CLAIM**

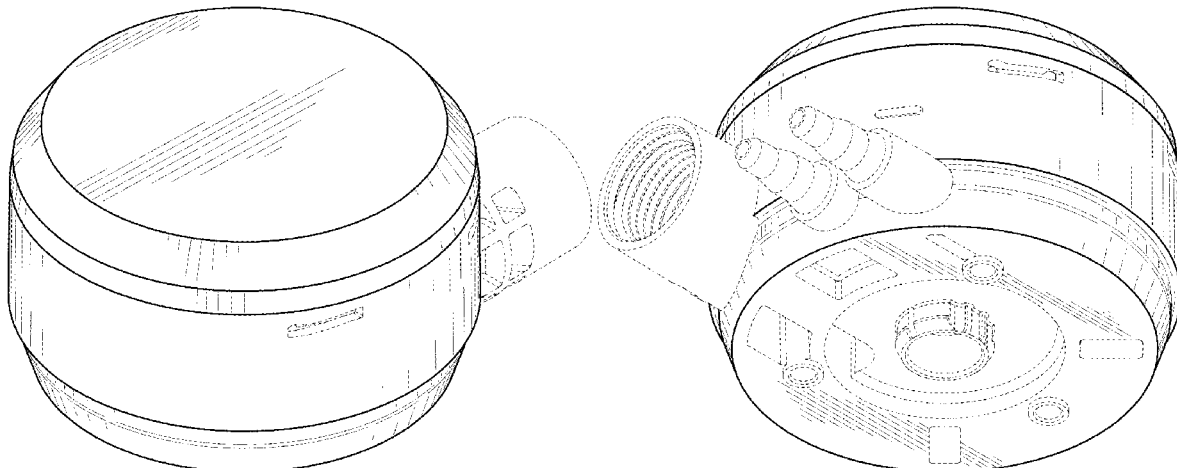
The ornamental design for a differential pressure transmitter, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a differential pressure transmitter illustrating our new design.  
 FIG. 2 is a bottom perspective view of a differential pressure transmitter illustrating our new design.  
 FIG. 3 is a rear view of a differential pressure transmitter illustrating our new design.  
 FIG. 4 is a front view of a differential pressure transmitter illustrating our new design.  
 FIG. 5 is a right side view of a differential pressure transmitter illustrating our new design.  
 FIG. 6 is a left side view of a differential pressure transmitter illustrating our new design.  
 FIG. 7 is a top view of a differential pressure transmitter illustrating our new design; and,  
 FIG. 8 is a bottom view of a differential pressure transmitter illustrating our new design.

The broken lines shown are included for the purpose of illustrating portions of the differential pressure transmitter that form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

7,412,882 B2 \* 8/2008 Lazar ..... G01F 15/063  
 73/273  
 D582,814 S \* 12/2008 Ball ..... D10/96  
 D711,267 S \* 8/2014 Tsuda ..... D10/96  
 D906,144 S \* 12/2020 Angus ..... D10/96  
 2011/0079303 A1 \* 4/2011 Varini ..... B67D 7/78  
 137/544  
 2012/0090406 A1 \* 4/2012 Etter ..... G01F 15/006  
 73/861.79  
 2014/0260668 A1 \* 9/2014 Liu ..... G01F 1/662  
 73/861.28  
 2015/0276454 A1 \* 10/2015 Laursen ..... G01D 11/24  
 73/201  
 2020/0386590 A1 \* 12/2020 Stuyvenberg ..... G01F 15/00

FOREIGN PATENT DOCUMENTS

CN 302349734 \* 10/2012  
 CN 305955389 \* 3/2020

CN 306167456 \* 6/2020  
 CN 306653923 \* 12/2020  
 KR 301122644.0000 \* 10/2020

OTHER PUBLICATIONS

Dwyer, Digital Pressure Gage, Date first available Oct. 11, 2012, [online]retrieved Sep. 16, 2021, available from [https://www.amazon.com/Dwyer-Digital-Pressure-Liquids-Compatible/dp/B009P8YJQ4/ref=sr\\_1\\_33?dchild=1&keywords=Dwyer&qid=1631823924&sr=8-33](https://www.amazon.com/Dwyer-Digital-Pressure-Liquids-Compatible/dp/B009P8YJQ4/ref=sr_1_33?dchild=1&keywords=Dwyer&qid=1631823924&sr=8-33) (Year: 2012).\*

Dwyer, Magnehelic Differential Pressure Gage, Date first available Oct. 11, 2012, [online]retrieved Sep. 16, 2021, available from [https://www.amazon.com/Dwyer-Magnehelic-Differential-Pressure-Gauge/dp/B009P9EF62/ref=pd\\_sbs\\_6/134-5564337-2927451?pd\\_rd\\_w=ch5Tq&pf\\_rd\\_p=0a3ad226-8a77-4898-9a99-63ffeb1aef90&p](https://www.amazon.com/Dwyer-Magnehelic-Differential-Pressure-Gauge/dp/B009P9EF62/ref=pd_sbs_6/134-5564337-2927451?pd_rd_w=ch5Tq&pf_rd_p=0a3ad226-8a77-4898-9a99-63ffeb1aef90&p) (Year: 2012).\*

Dwyer, Series DH3 Digihelic® Differential Pressure Controller, Date first available Dec. 2018, [online]retrieved Sep. 20, 2021, available from [dwyer-inst.com](http://dwyer-inst.com) (Year: 2018).\*

\* cited by examiner

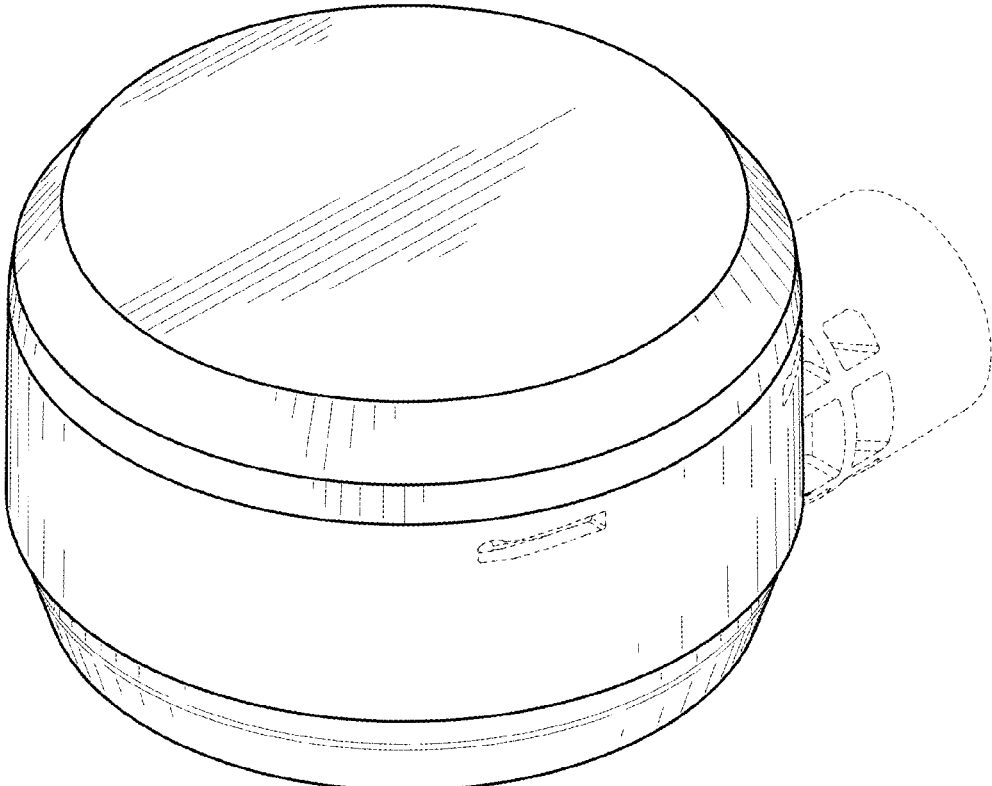


Fig. 1

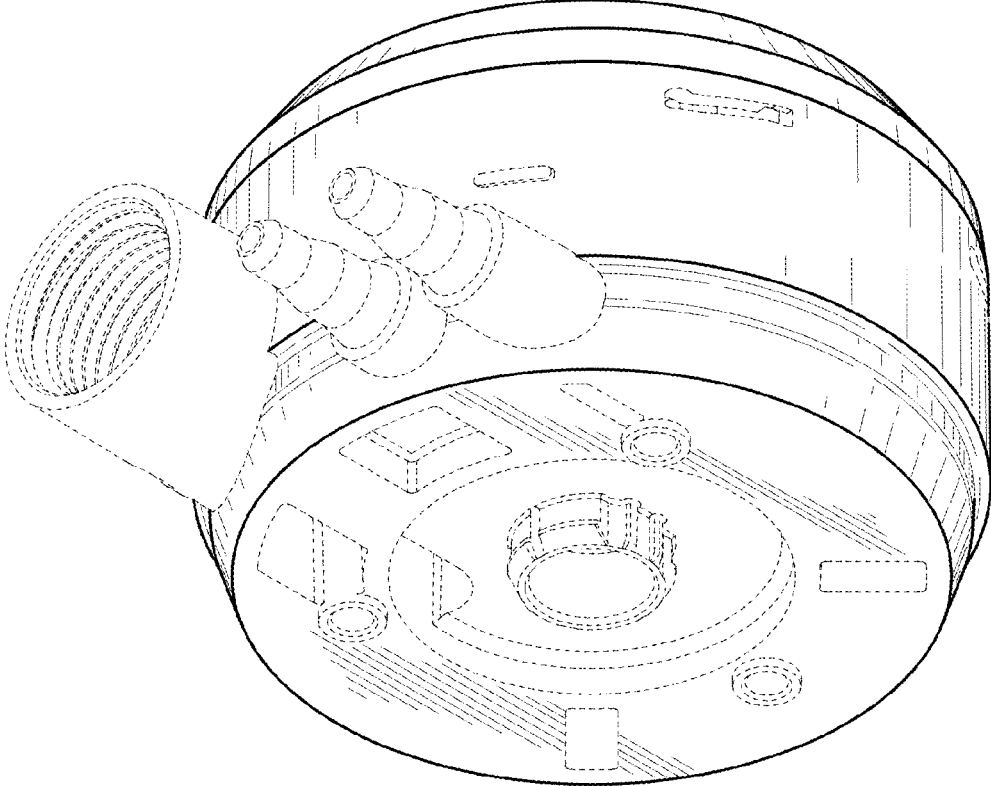


Fig. 2

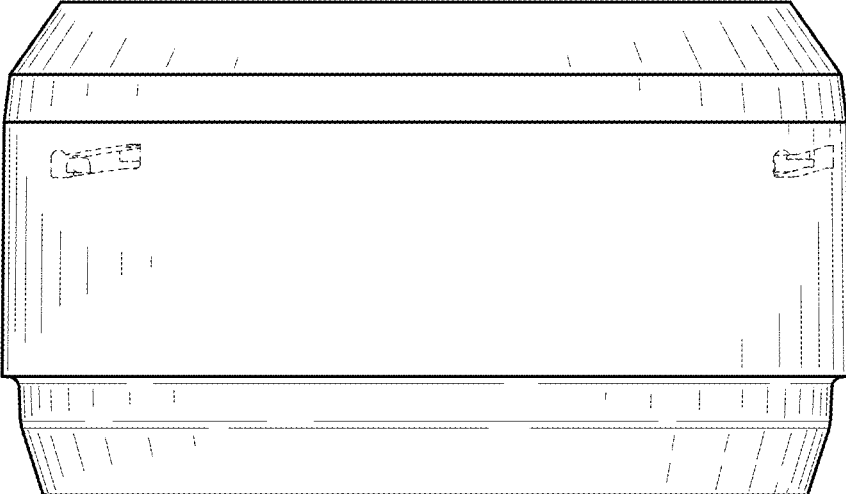


Fig. 3

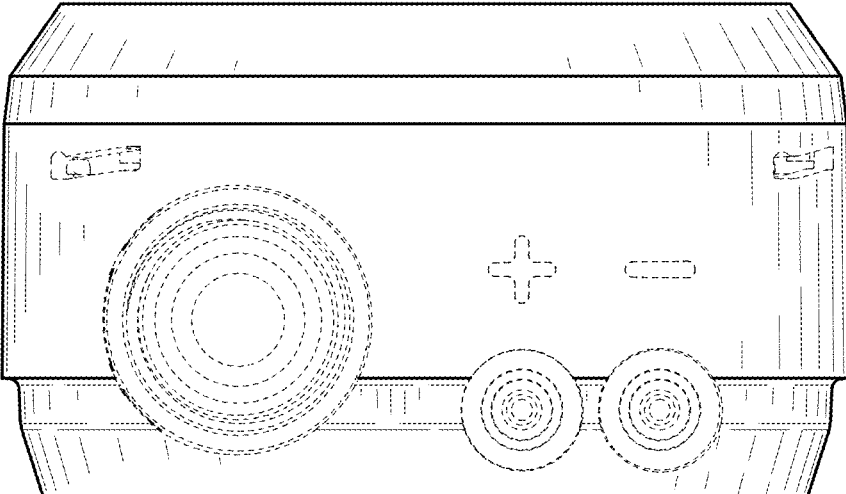


Fig. 4

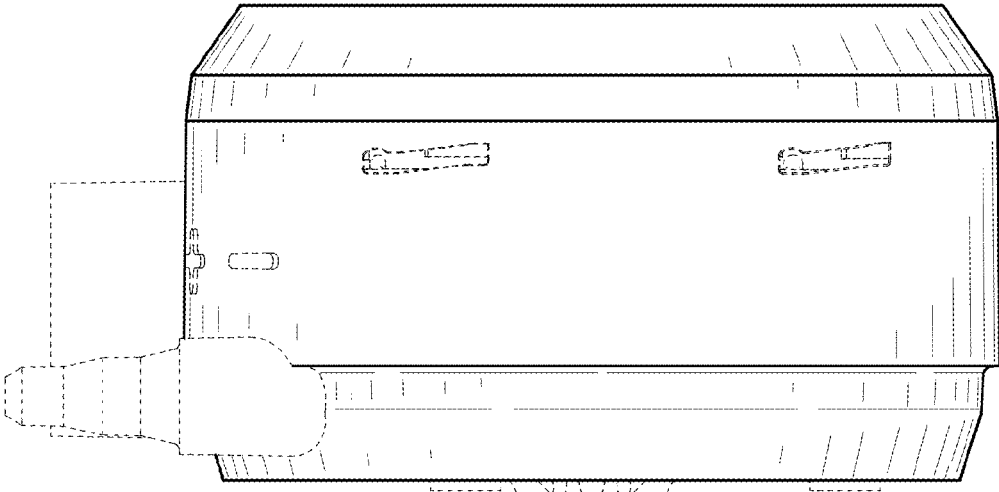


Fig. 5

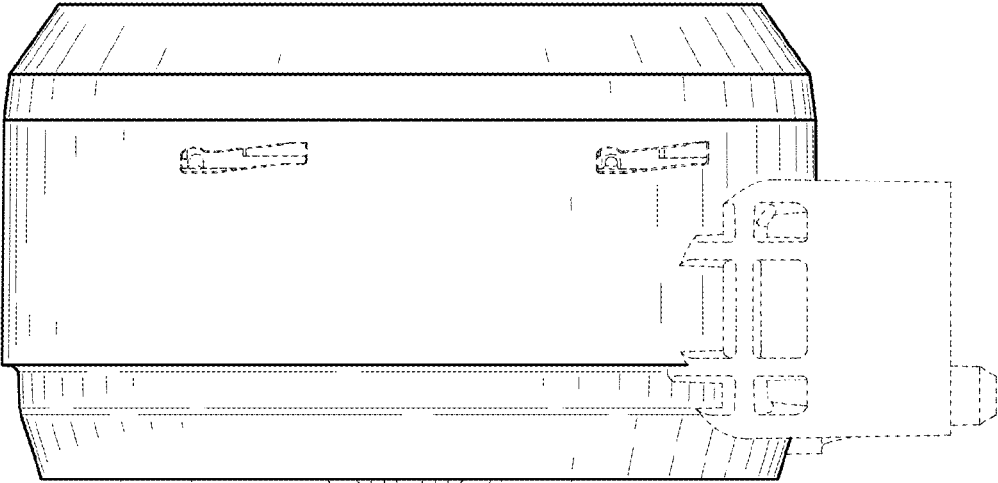
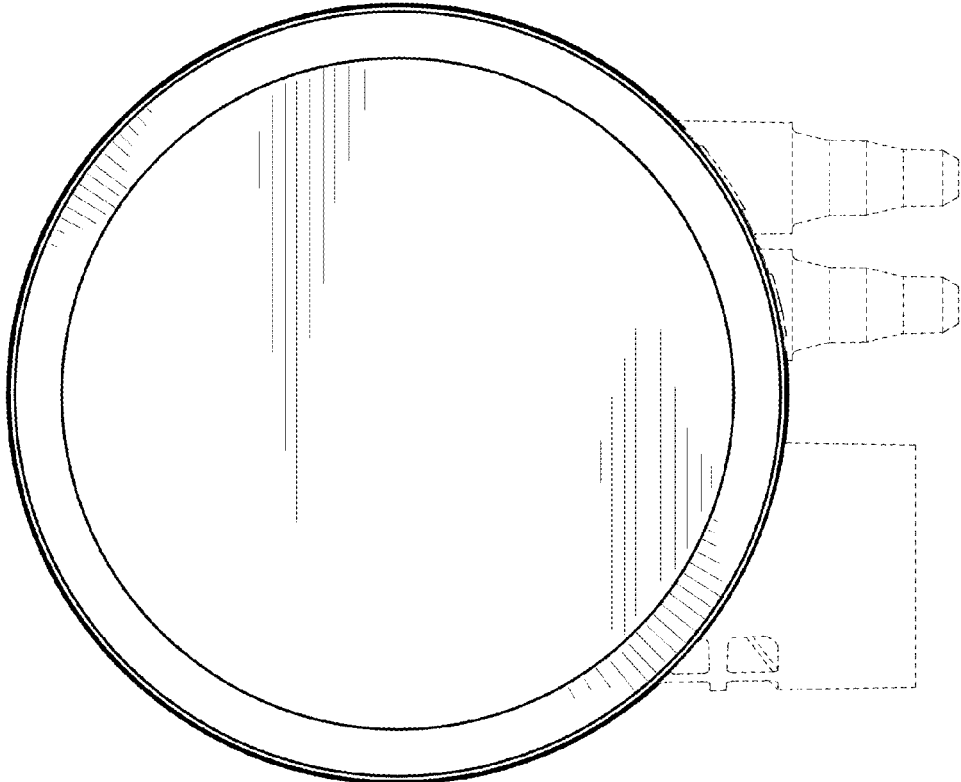
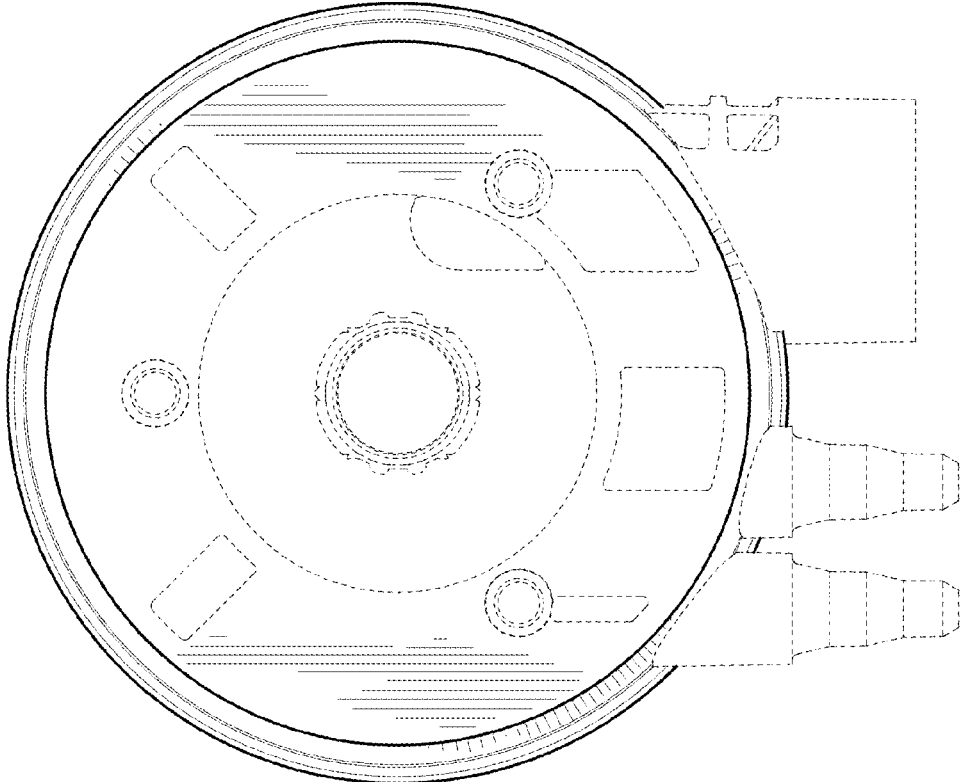


Fig. 6



**Fig. 7**



**Fig. 8**