












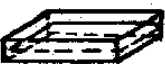







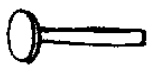


























Index to Feeder Design Specifications

Case No.	Description	
1	Cylindrical Part - length greater than diameter	
2	Cylindrical Part - length less than diameter	
3	Cylindrical Part - length equals diameter	
4	Discs and flat washers	
5	Headed Parts	
6	Rectangular Part	
7	Angle stampings	
8	Formed metal part - Walls not equally thick	
9	Horseshoes	
10	Pointed parts with large heads	
11	Headed part or shell - body weight slightly greater than head weight - part may not hang.	
12	Cup on scallops	
13	Parts having a groove on one face - Method #1	
14	Formed metal cup	
15	Headed parts with short body - Retaining by form	
16	Dish shaped parts	
17	Slotted parts	
18	Strips with projection at one end	
19	Formed metal flanged cups	
20	Pointed parts feeding point leading	
21	Pointed pins feeding point trailing	
22	Headed pins feeding head first	
23	Headed pins feeding body first	

24	Electronic detection of metals	
25	Photo-electric detection of surface finish or color	
26	Very thin discs or washers	
27	Selection by fine dimple on end of part	
28	Shallow dished blanks and stampings	
29	Stacking flat washers and discs	
30	Stacking flat washers and discs to a height	
31	Orienting by center of gravity	
32	Irregular flat parts	
33	Parts with prongs or tabs	
34	Part with projecting pins	
35	Tapered parts	
36	Elbows	
37	Lock washer	
38	Parts having a groove on one face - Method #2	
39	Rectangular parts with offset key	
40	Very thin discs	
41	Rectangular "U" shaped parts	
42	Flat parts with raised center on one side	
43	Irregular shaped flat parts	
44	Transistors in hi-negative bowl	
45	Stacked bowls	
46	Pin length greater than diameter	
47	Pin-minimum length is three times diameter	
48	Headed pins with extra long bodies	
49	Pin with length greater than diameter	

# VIBRATORY FEEDER COMPANY

AUTOMATION PARK, BOX AD

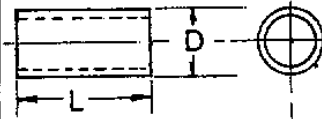
FAIRVIEW, PA. 16415

PHONE 814/474-5561

CASE NO.

# 1

$$L = D \times 1.2 \text{ MIN.}$$



DWN R.L.L.  
DATE 6/4/56  
CHK'D W  
DATE 6-23-56

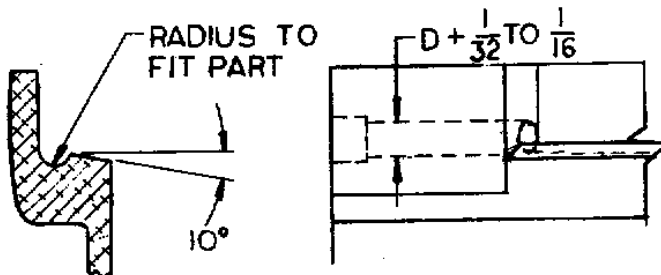
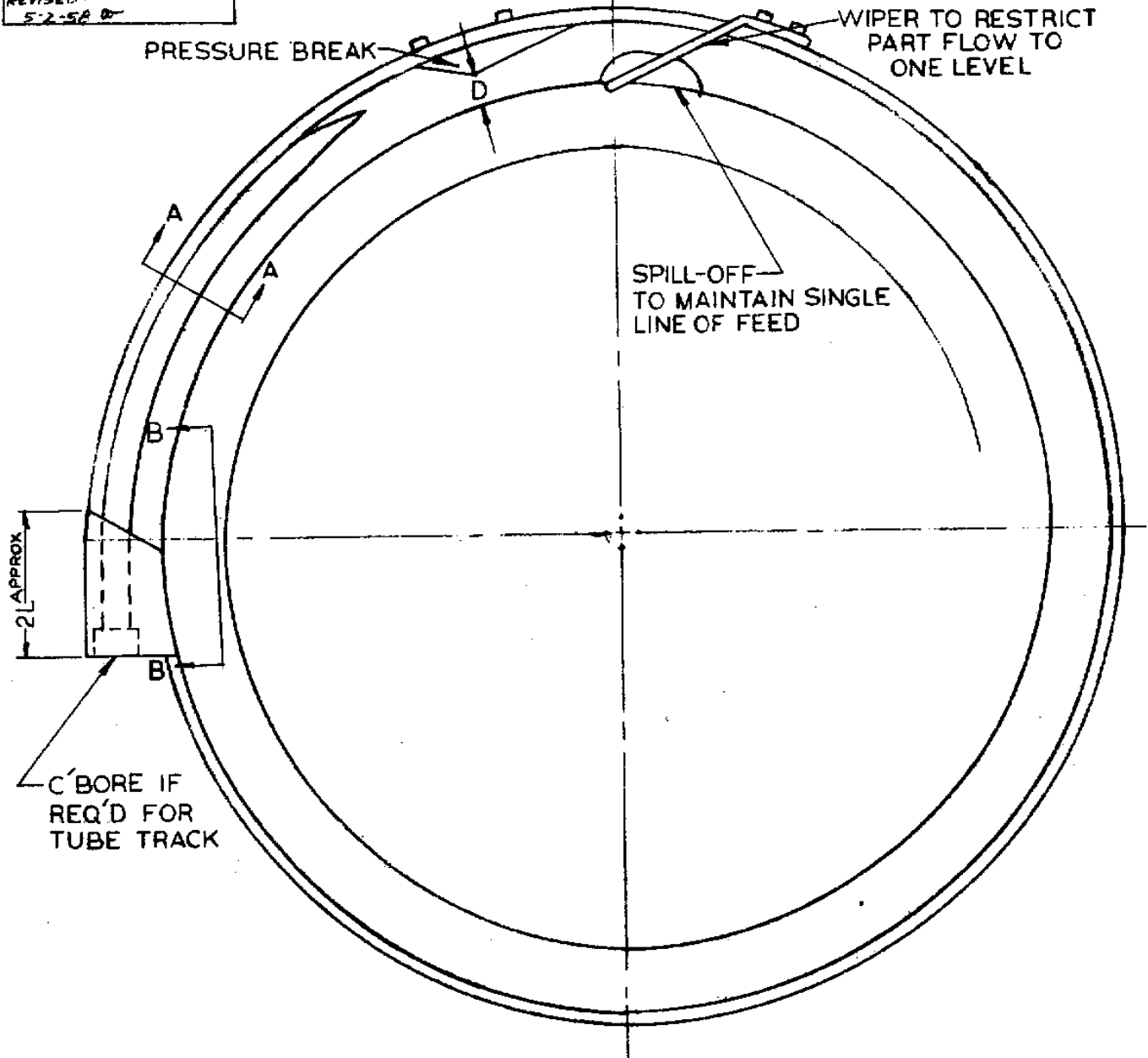
SCALE ~

SK.NO. 2004

CYLINDERS  
LENGTH GREATER  
THAN DIAMETER

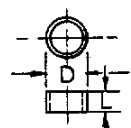
PART BEING FED

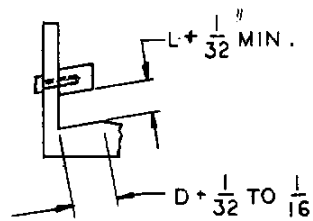
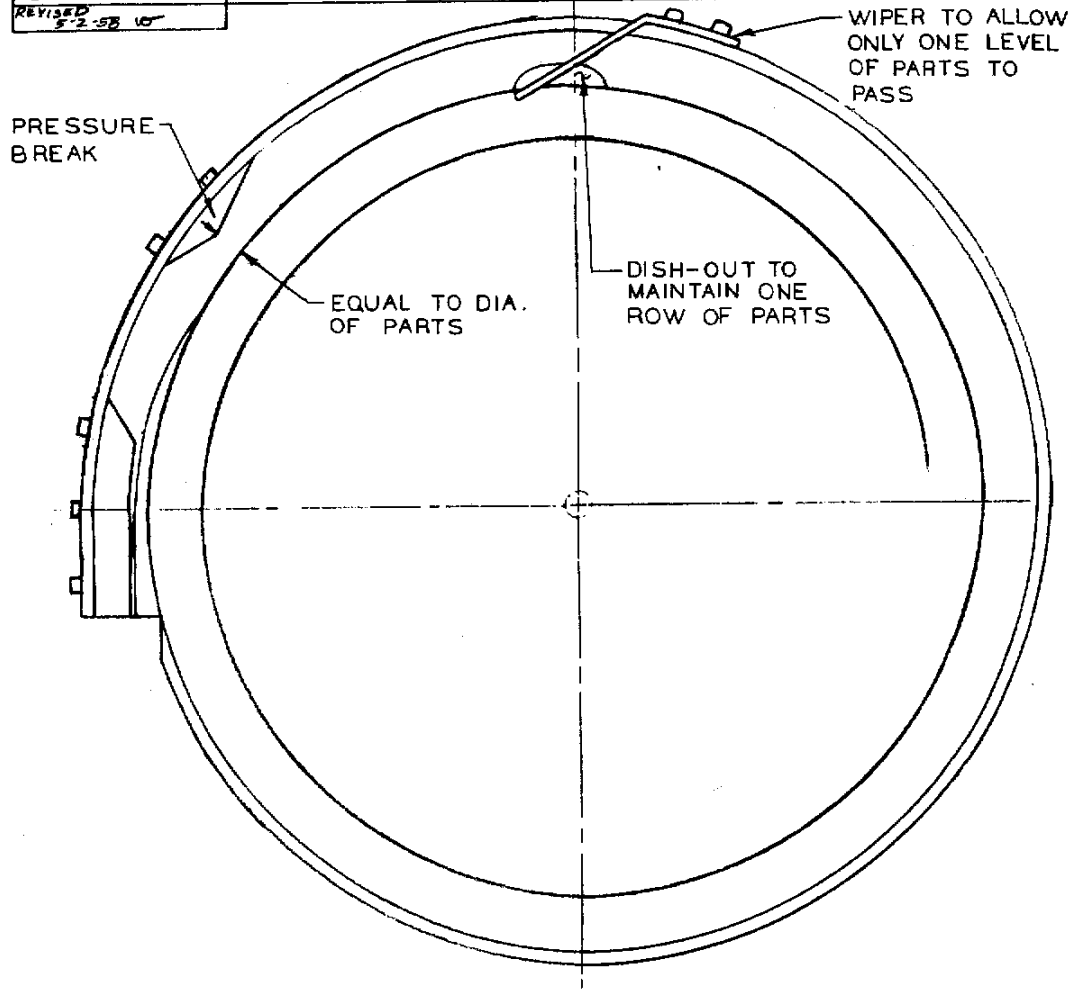
REVISED  
5-2-56

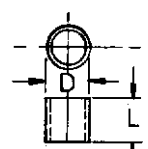


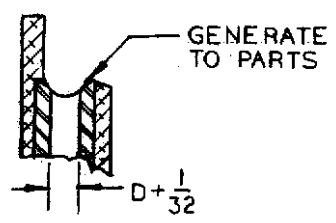
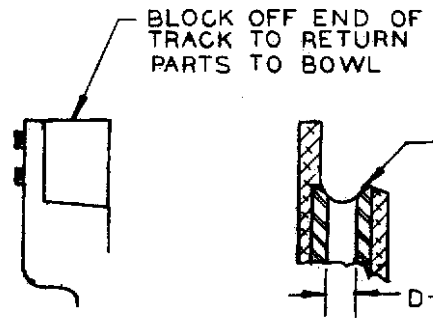
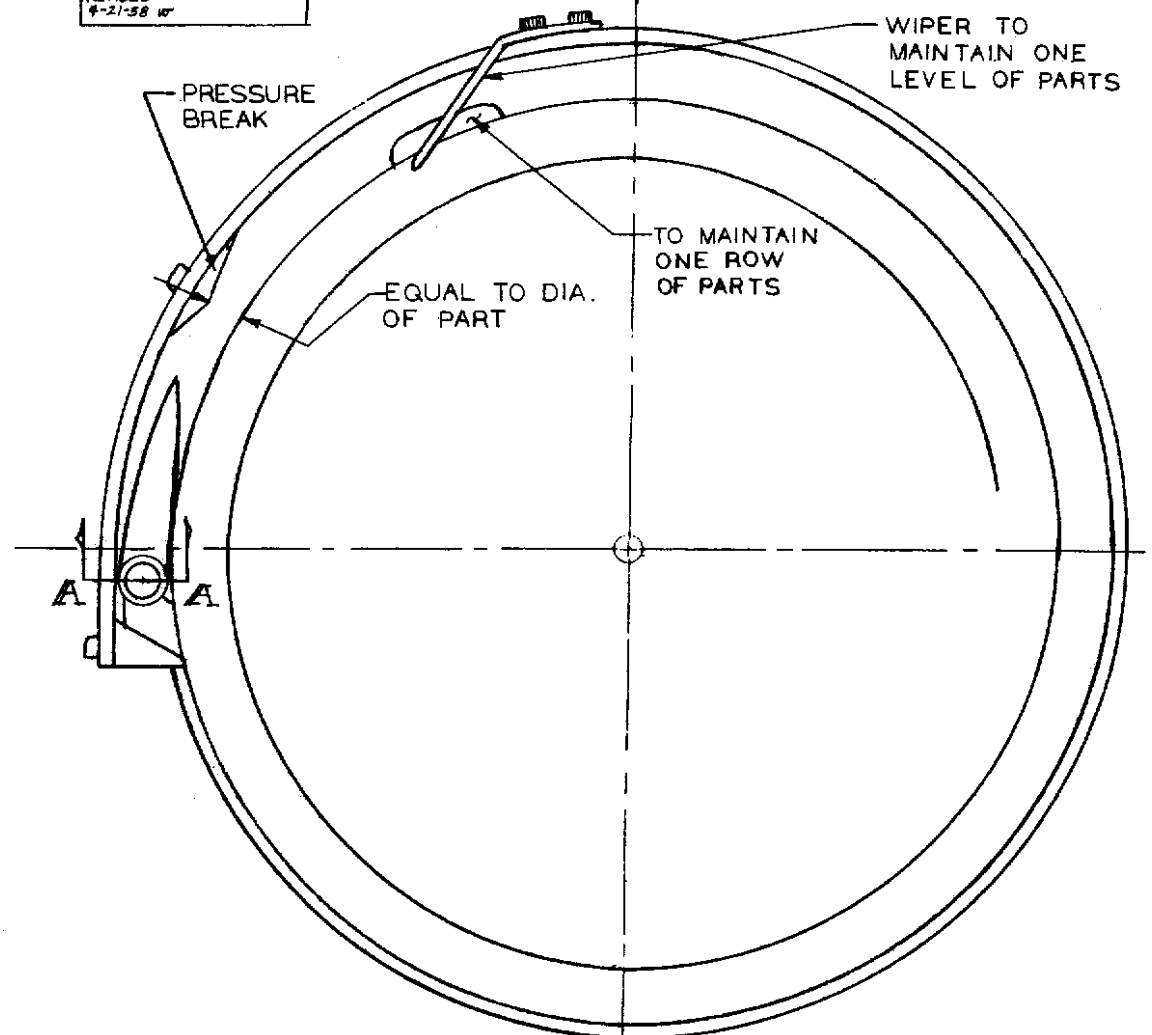
SECTION A-A

SECTION B-B

<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>2</b>	 $L = .8D \text{ MAX.}$ PART BEING FED
DWN R.L.L. DATE 6/4/58 CHK'D ✓ DATE 6-7-56 REVISED 5-2-58 ✓	SCALE ~ SK.NO.2005	CYLINDERS LENGTH LESS THAN DIAMETER	



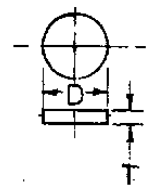
<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>3</b>	 $L = D \pm 20\%$ PART BEING FED
DWN R.L.L. DATE 6/4/56 CHK'D W DATE 6-7-56 <small>REVISED 4-21-58 W</small>	SCALE ~ SK. NO. 2006	CYLINDERS LENGTH EQUALS DIAMETER	



SECTION A~A

VIBRATORY FEEDER COMPANY  
 AUTOMATION PARK, BOX AD  
 FAIRVIEW, PA, 16415  
 PHONE 814/474-5561

CASE NO.  
**4**

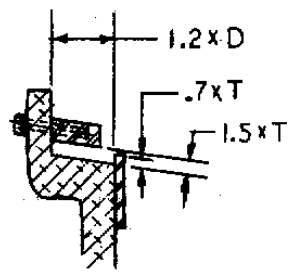
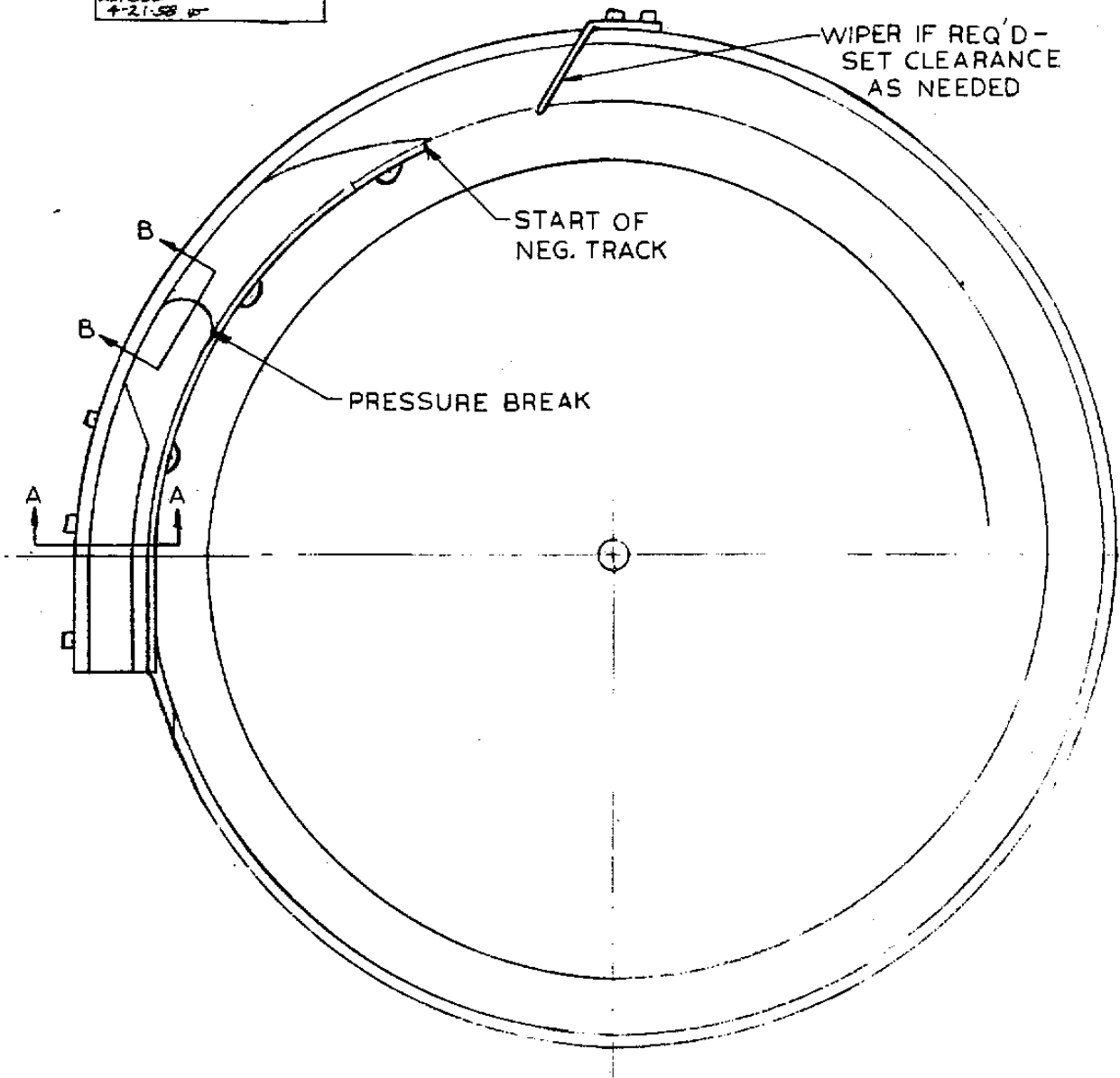


PART BEING FED

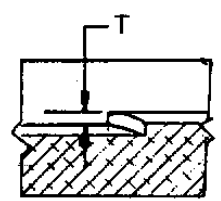
DWN R.L.L.  
 DATE 6/4/56  
 CHK'D W  
 DATE 6-7-56  
 REVISED  
 4-21-58 W

SCALE ~  
 SK.NO. 2007

DISCS AND  
 FLAT WASHERS



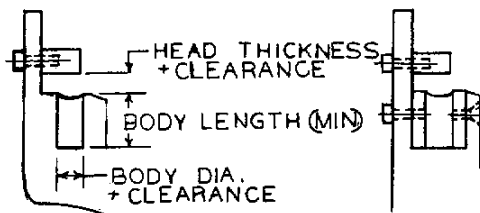
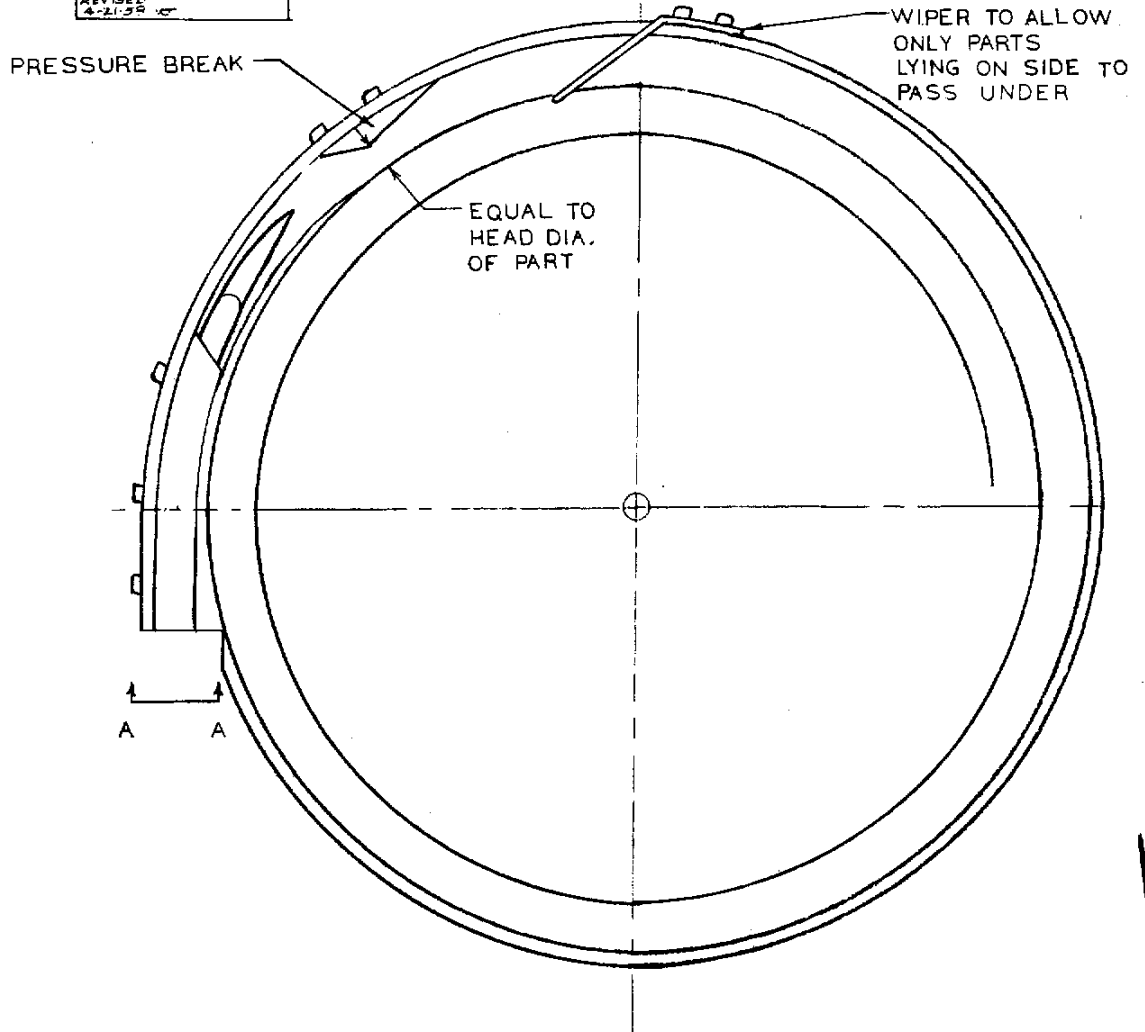
SECTION A-A



SECTION B-B

© 1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.

<b>VIBRATORY FEEDER CO.</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>5</b>	
DWN R.L.L. DATE 6/4/56 CHK'D W DATE 6-7-56 <small>REVISED 4-21-55</small>	SCALE ~~~~~ SK NO 2008	HEADED PART	PART FED



VIEW A-A

ALT. VIEW A-A  
 USE IF PART  
 CAUSES GREAT  
 AMOUNT OF WEAR

© 1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.

# VIBRATORY FEEDER CO.

AUTOMATION PARK, BOX A.D.

FAIRVIEW, PA. 16415

PHONE 814/474-5561

CASE NO

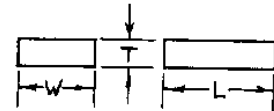
# 6

DWN R.L.L.  
DATE 6/4/56  
CKD W  
DATE 6-7-56

SCALE ~

RECTANGULAR  
PART

SK NO 2009

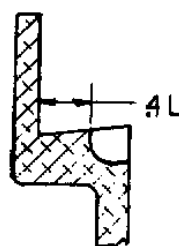
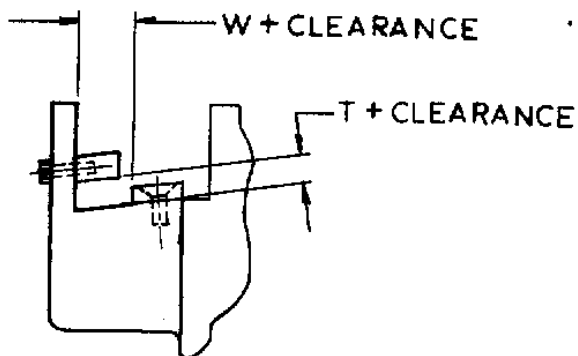
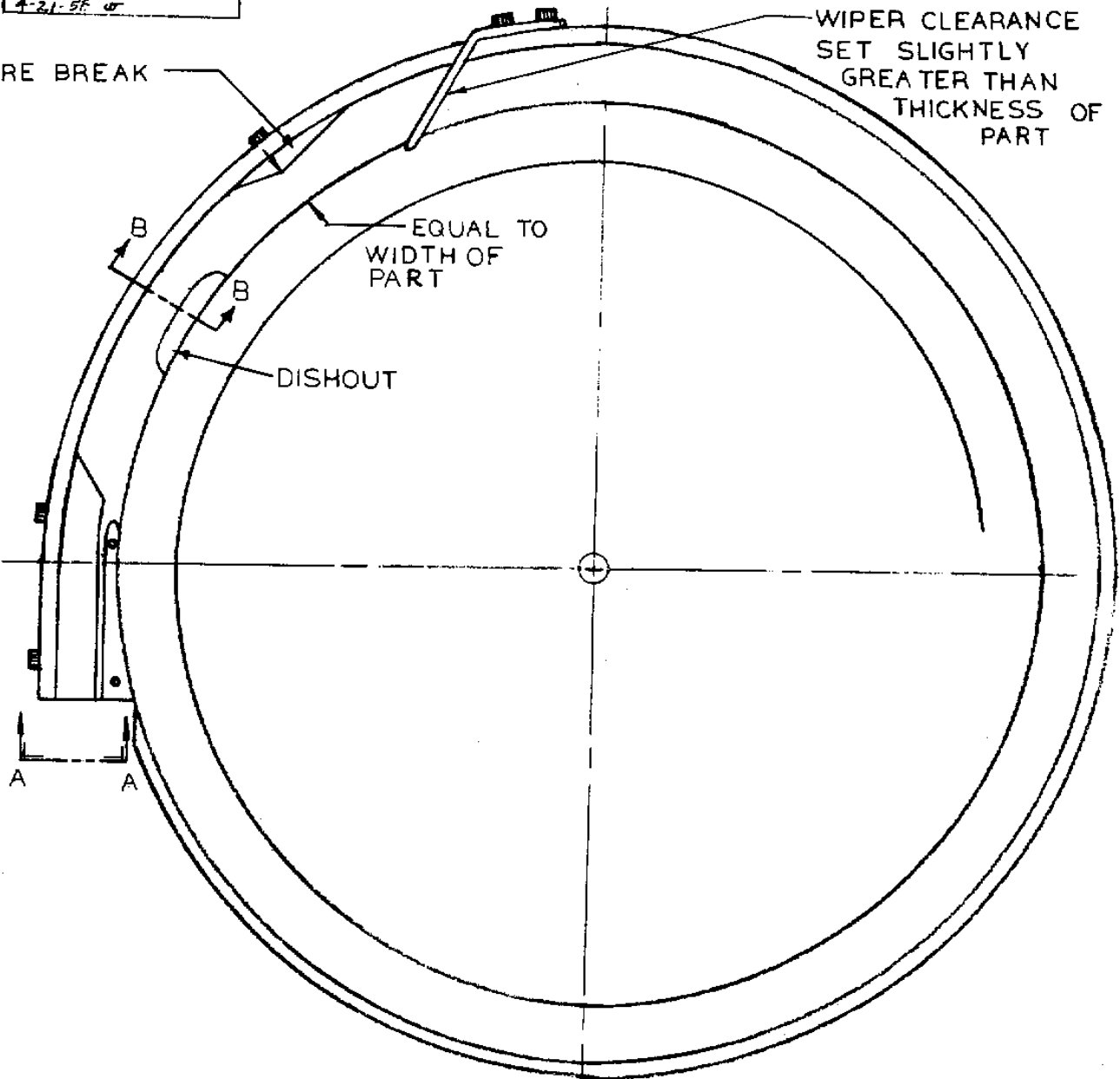


PART FED

REVISED  
4-21-56 W

PRESSURE BREAK

WIPER CLEARANCE  
SET SLIGHTLY  
GREATER THAN  
THICKNESS OF  
PART



VIEW A-A

SECTION B-B



VIBRATORY FEEDER CO.

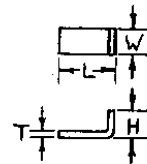
AUTOMATION PARK, BOX AD

FAIRVIEW W, PA. 16415

PHONE 814/474-5561

CASE NO

7



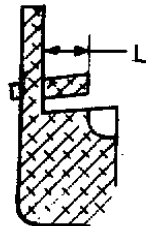
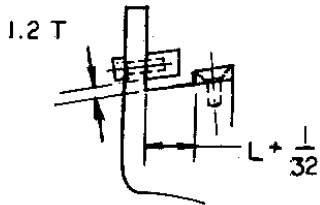
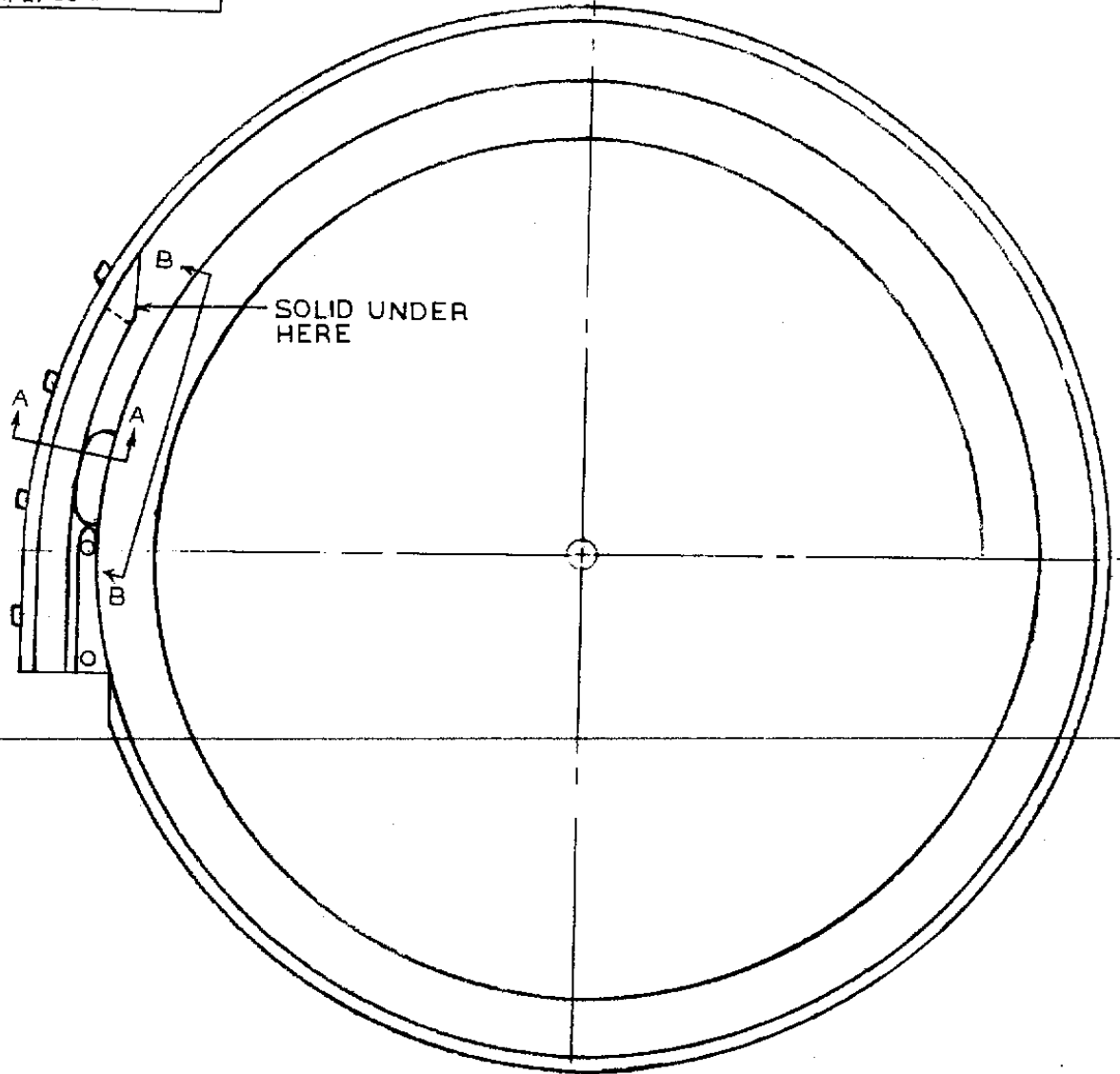
PART NO

DWN R.L.L.  
 DATE 6-4-56  
 CHKD W  
 DATE 6-7-56  
 REVISED 4-21-58 W

SCALE ~

ANGLE STAMPING

SK NO 2010

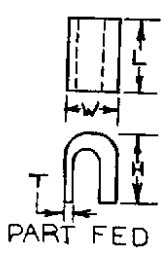


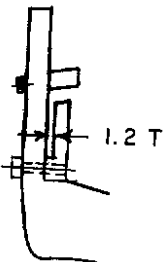
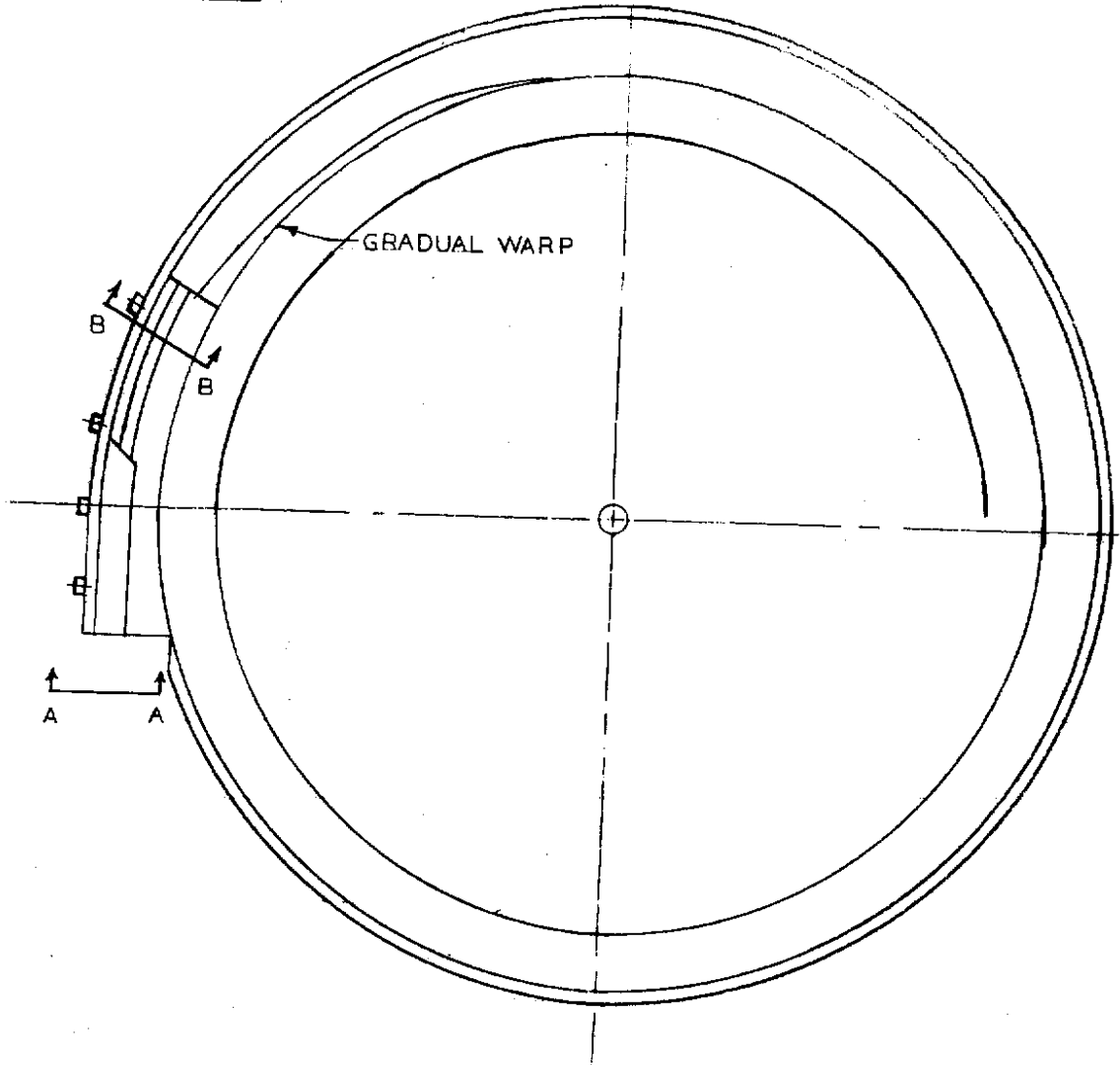
SECTION A~A



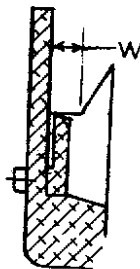
VIEW B~B

© 1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.


VIBRATORY FEEDER CO. AUTOMATION PARK, BOX 4D FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>8</b>	
DWN R.L.L. DATE 6/4/56 CHKD W DATE 6-7-56 REVISOR 4-21-58 W	SCALE ~ SK NO 2011	FORMED METAL PART-WALLS NOT EQUALLY THICK	

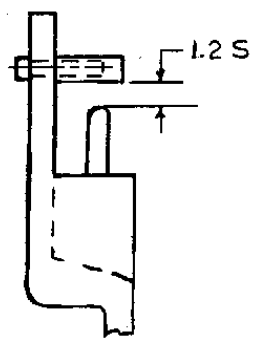
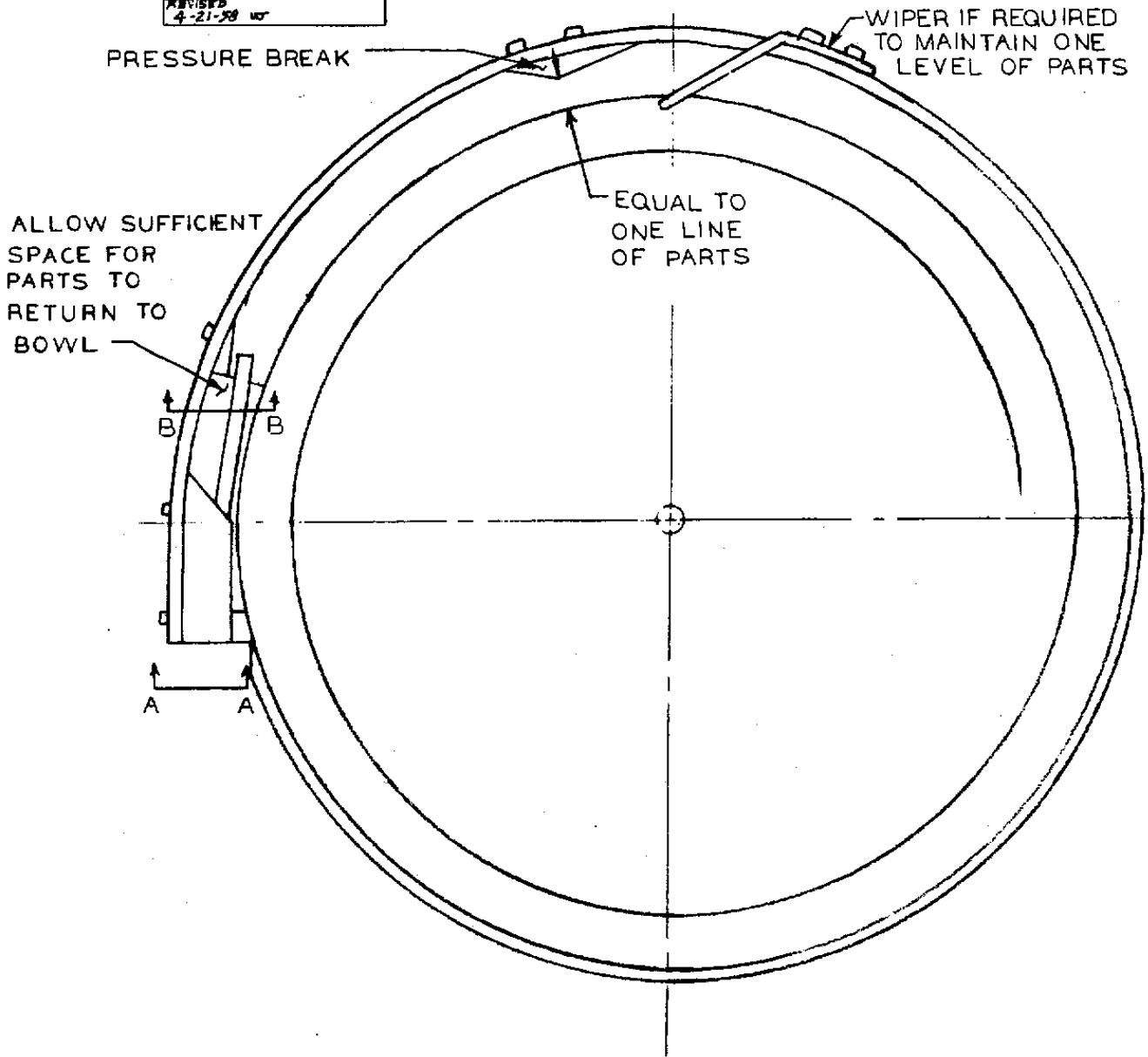


VIEW A~A

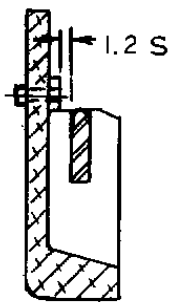


SECTION B~B

VIBRATORY FEEDER CO AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>9</b>	
DWN R.L.L. DATE 6/4/56 CHKD W DATE 6-7-56 REVISED 4-21-58 W	SCALE ~ SK. NO. 2012	HORSESHOES	



VIEW A~A

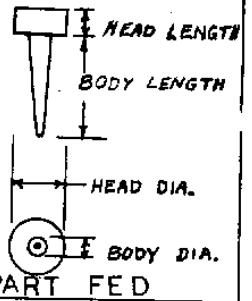


SECTION B~B

VIBRATORY FEEDER CO.  
 AUTOMATION PARK, BOX AD  
 FAIRVIEW, PA. 16415  
 PHONE 814/474-5561

CASE NO

**10**



DWN R.L.L.  
 DATE 6/4/56  
 CHKD W  
 DATE 6-7-56  
 REVISED 4-21-58 W

SCALE ~

POINTED PARTS  
 WITH LARGE  
 HEAD

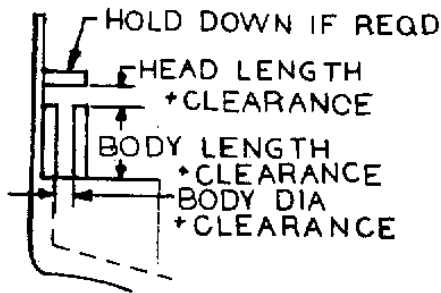
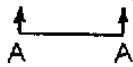
SK. NO. 2013

PRESSURE BREAK

WIPER, IF REQ'D. TO  
 MAINTAIN ONE  
 LEVEL OF PARTS

DISH-OUT  
 TO MAINTAIN  
 ONE ROW  
 OF PARTS

ALLOW  
 ENOUGH  
 SPACE FOR  
 PARTS TO  
 RETURN  
 TO BOWL



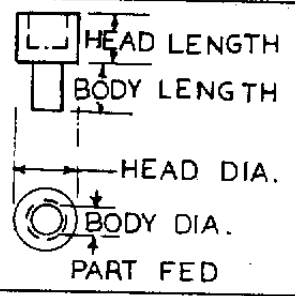
VIEW A~A



SECTION B~B

VIBRATOR FEEDER CO.  
 AUTOMATION PARK, BOX AD  
 FAIRVIEW, PA. 16415  
 PHONE 814/474-5561

CASE NO  
**11**



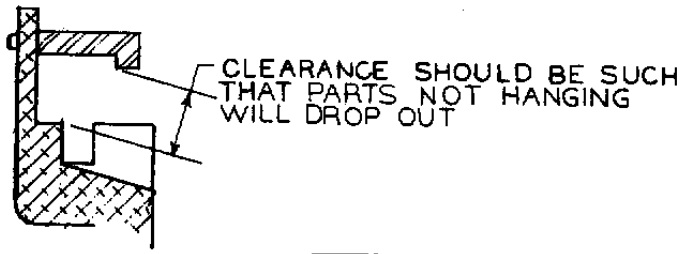
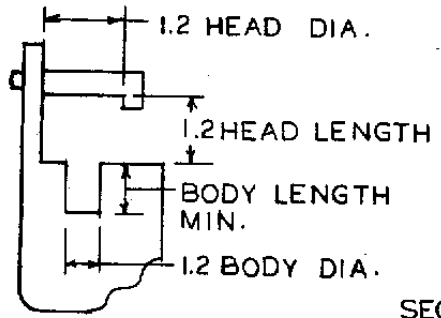
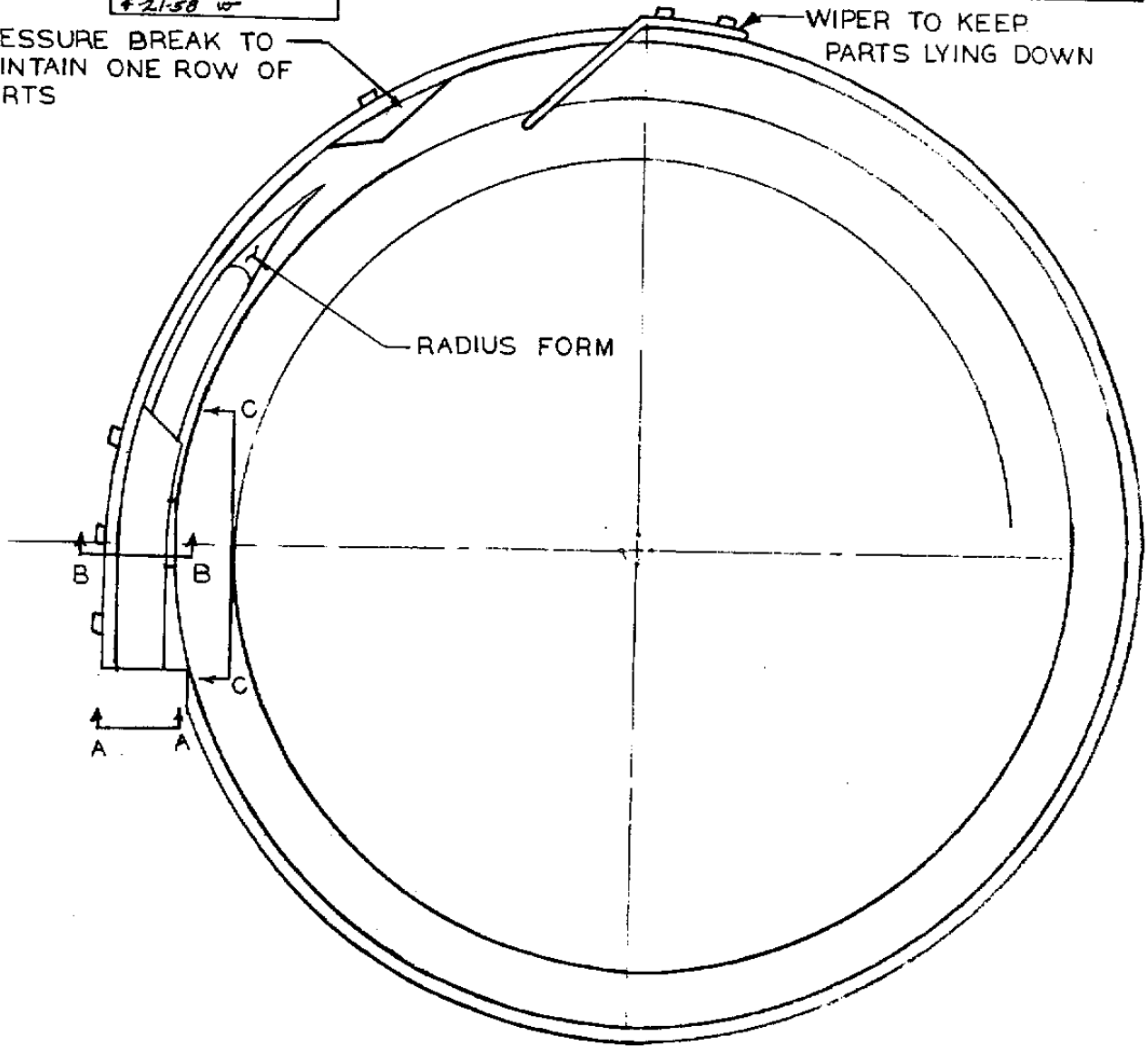
DWN. R.L.L.  
 DATE 6/4/56  
 CHKD ✓  
 DATE 6-7-56  
 REVISED 4-21-58 ✓

SCALE ~  
 SK NO 2014

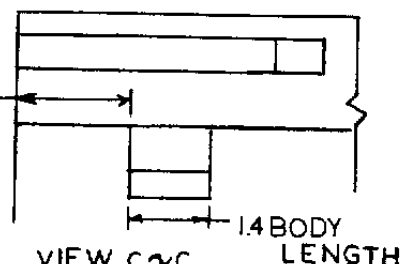
HEADED PT OR SHELL  
 BODY WT. SLIGHTLY  
 GREATER THAN HEAD  
 WT - PART MAY  
 NOT HANG

PRESSURE BREAK TO  
 MAINTAIN ONE ROW OF  
 PARTS

WIPER TO KEEP  
 PARTS LYING DOWN



SECTION B~B  
 APPROX TWICE  
 HEAD DIA. OF PART



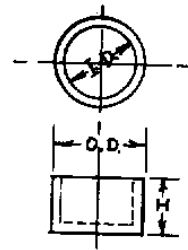
VIBRATORY FEEDER CO.

AUTOMATION PARK, BOX AD

FAIRVIEW, PA. 16415  
PHONE 814/474-5561

CASE NO

12



PART FED

DWN R.L.L.  
 DATE 6/4/56  
 CHK'D W  
 DATE 6-7-56

SCALE ~

CUP ON SCALLOPS

SK. NO. 2015

REVISED  
4-21-58 W

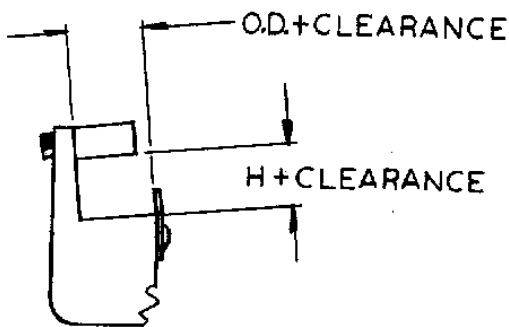
PRESSURE BREAK

WIPER TO ALLOW ONLY PARTS ON END TO PASS

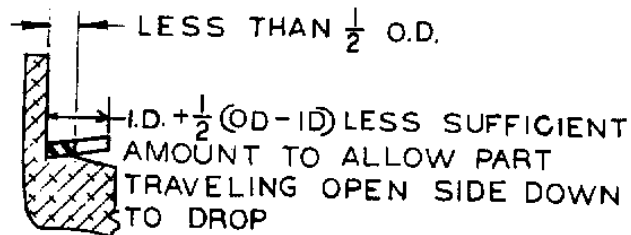
EQUAL TO DIA OF PARTS

LESS THAN INSIDE DIA OF CUP.

A A



VIEW A~A



SECTION B~B

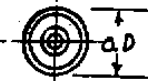
VIBRATORY FEEDER CO.

AUTOMATION PARK, BOX AD

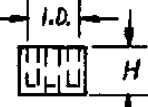
FAIRVIEW, PA. 16415  
PHONE 814/474-5561

CASE NO

13



O.D. GREATER THAN "H"



PART FED

DWN R.L.L.

DATE 6/4/56

CHKD ✓

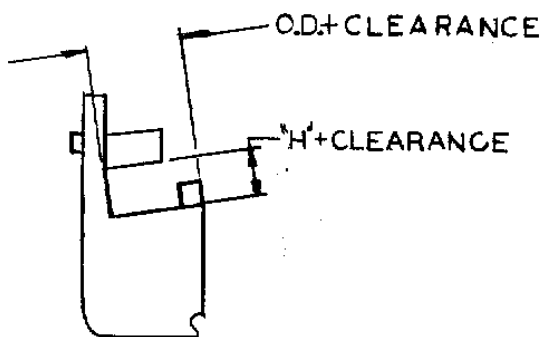
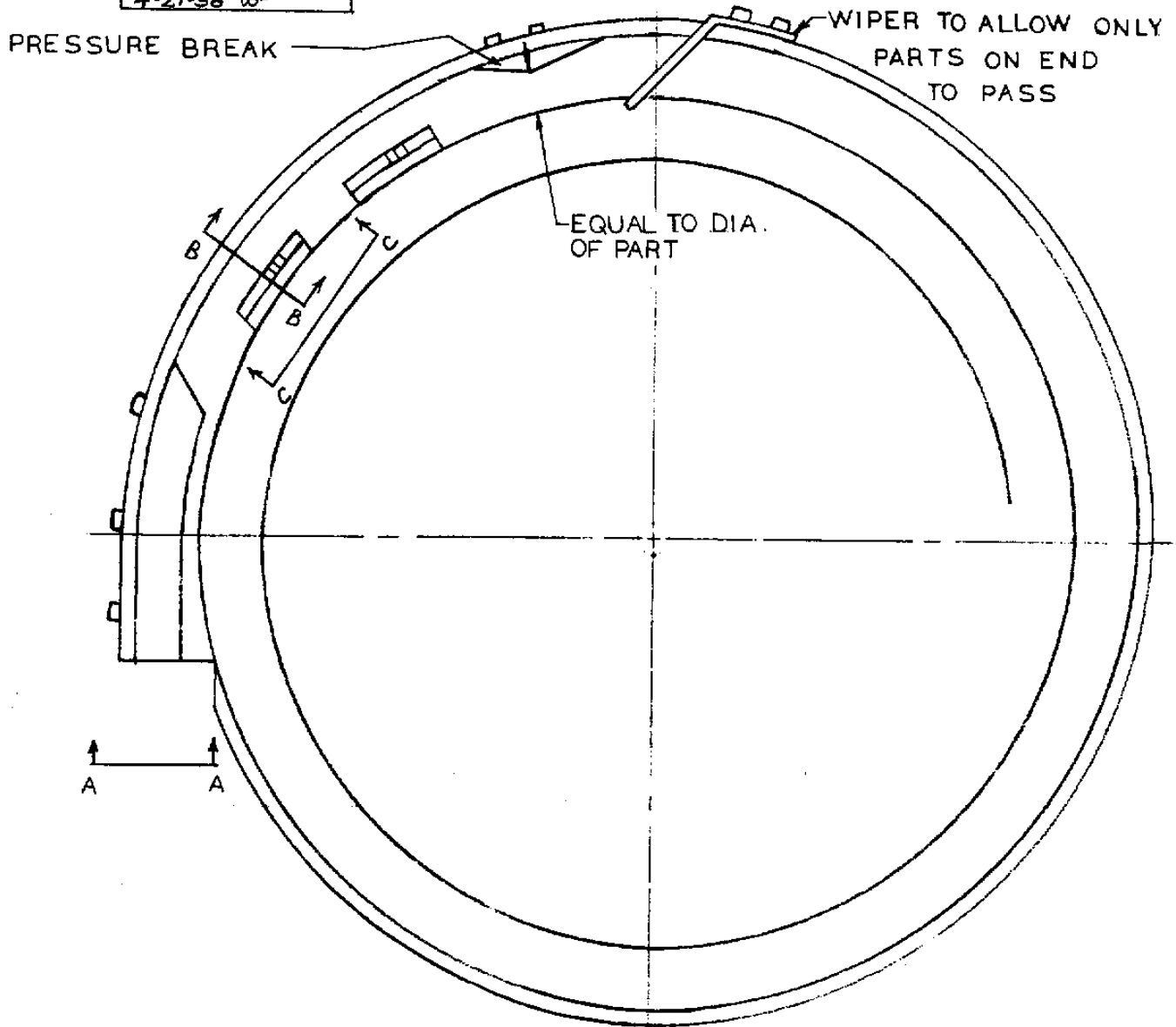
DATE 6-7-56

REVISE D  
4-21-58 ✓

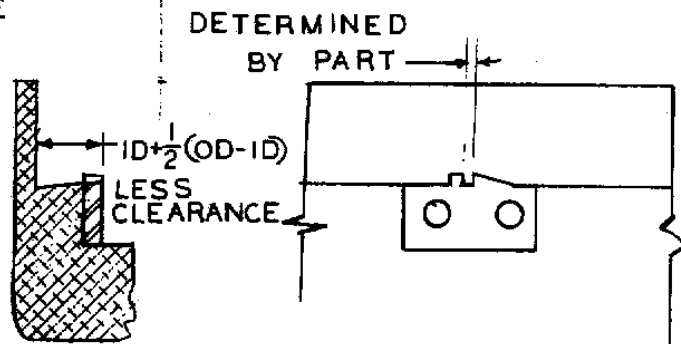
SCALE

PARTS HAVING A GROOVE ON ONE FACE

SK. NO. 2016



VIEW A~A



SECTION B~B

SECTION C~C

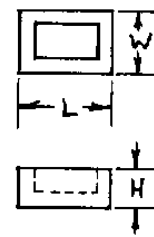
VIBRATORY FEEDER CO.

AUTOMATION PARK, BOX AD

FAIRVIEW, PA. 16415  
PHONE 814/474-5561

CASE NO

14



PART FED

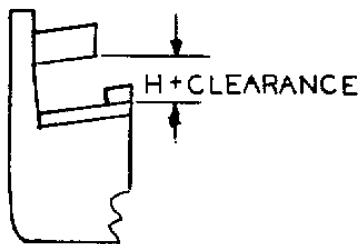
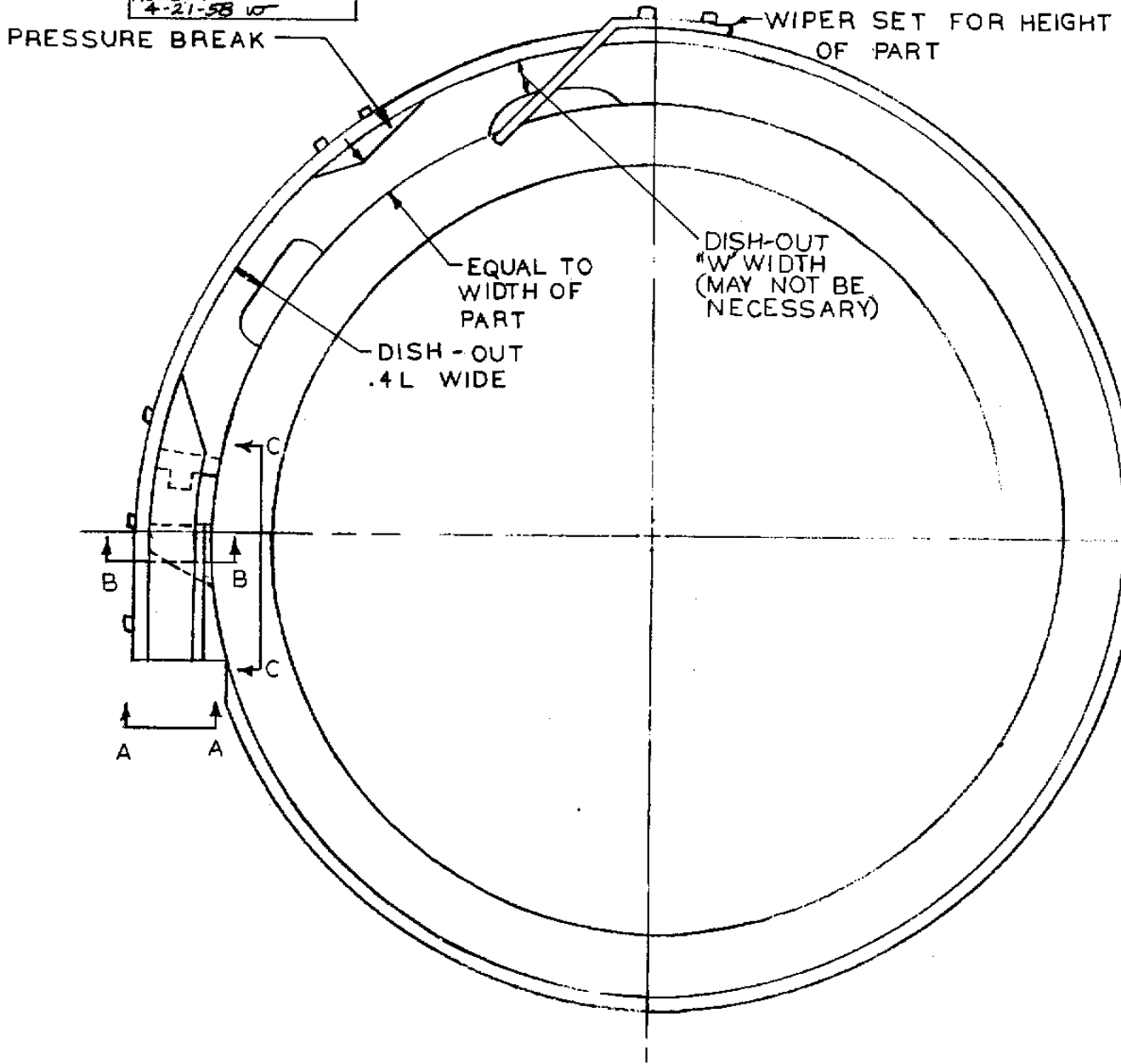
DWN R.L.L.  
DATE 6/4/56  
CHK'D W  
DATE 6-7-56

SCALE

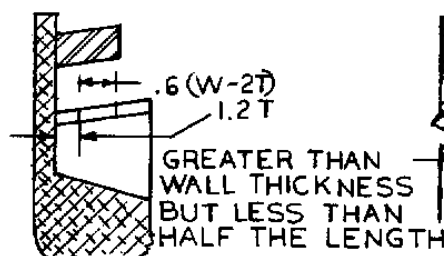
FORMED METAL CUPS

SK NO 2017

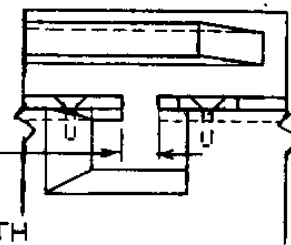
REVISED 4-21-58 W



VIEW A~A





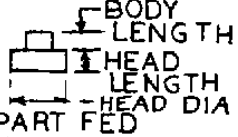
SECTION B~B

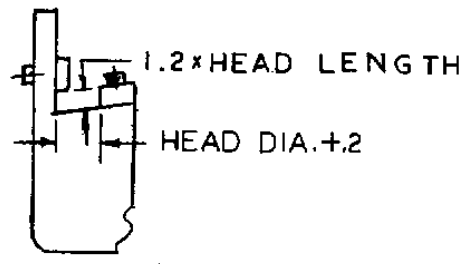
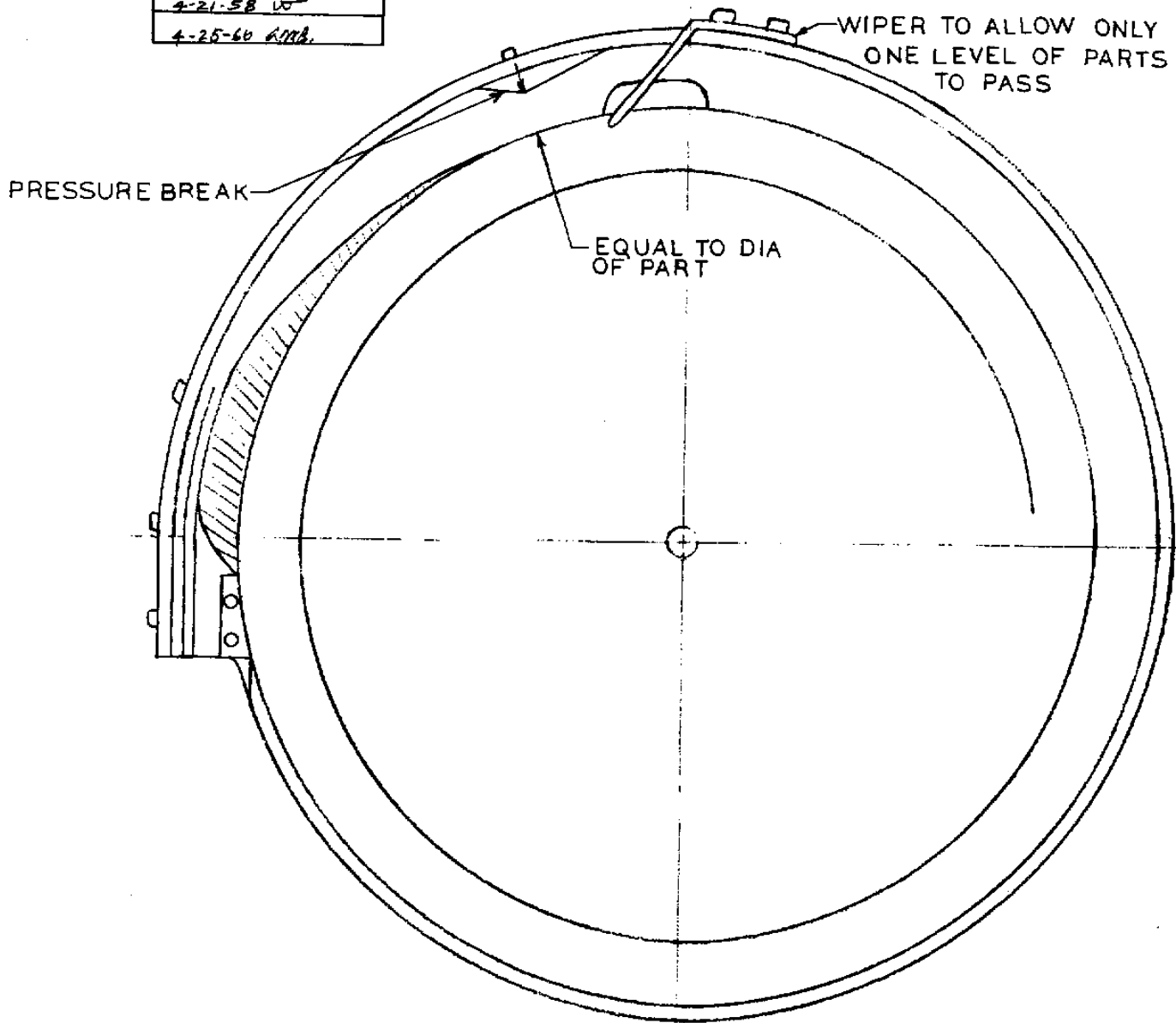


SECTION C~C

GREATER THAN WALL THICKNESS BUT LESS THAN HALF THE LENGTH



<b>VIBRATORY FEEDER CO.</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA, 16415 PHONE 814/474-5561		CASE NO <b>15</b>	 BODY DIA
DWN R.L.L. DATE 6/4/56 CHKD WJ DATE 6-7-56 REVISED 4-21-58 WJ 4-25-60 6108	SCALE  SK NO 2018	HEADED PARTS WITH SHORT BODY - RE - TAINING BY FORM	



VIBRATORY FEEDER CO.

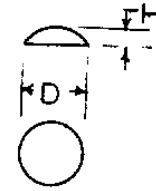
AUTOMATION PARK, BOX AD

FAIRVIEW, PA. 16415

PHONE 814/474-5561

CASE NO

16



PART FED

DWN.

R. L. L.

DATE

6/4/56

CHKD

W

DATE

6-7-56

REVISED

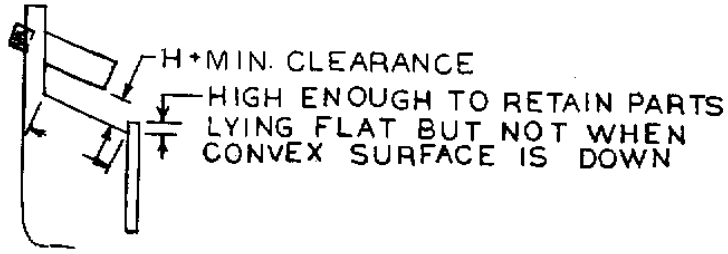
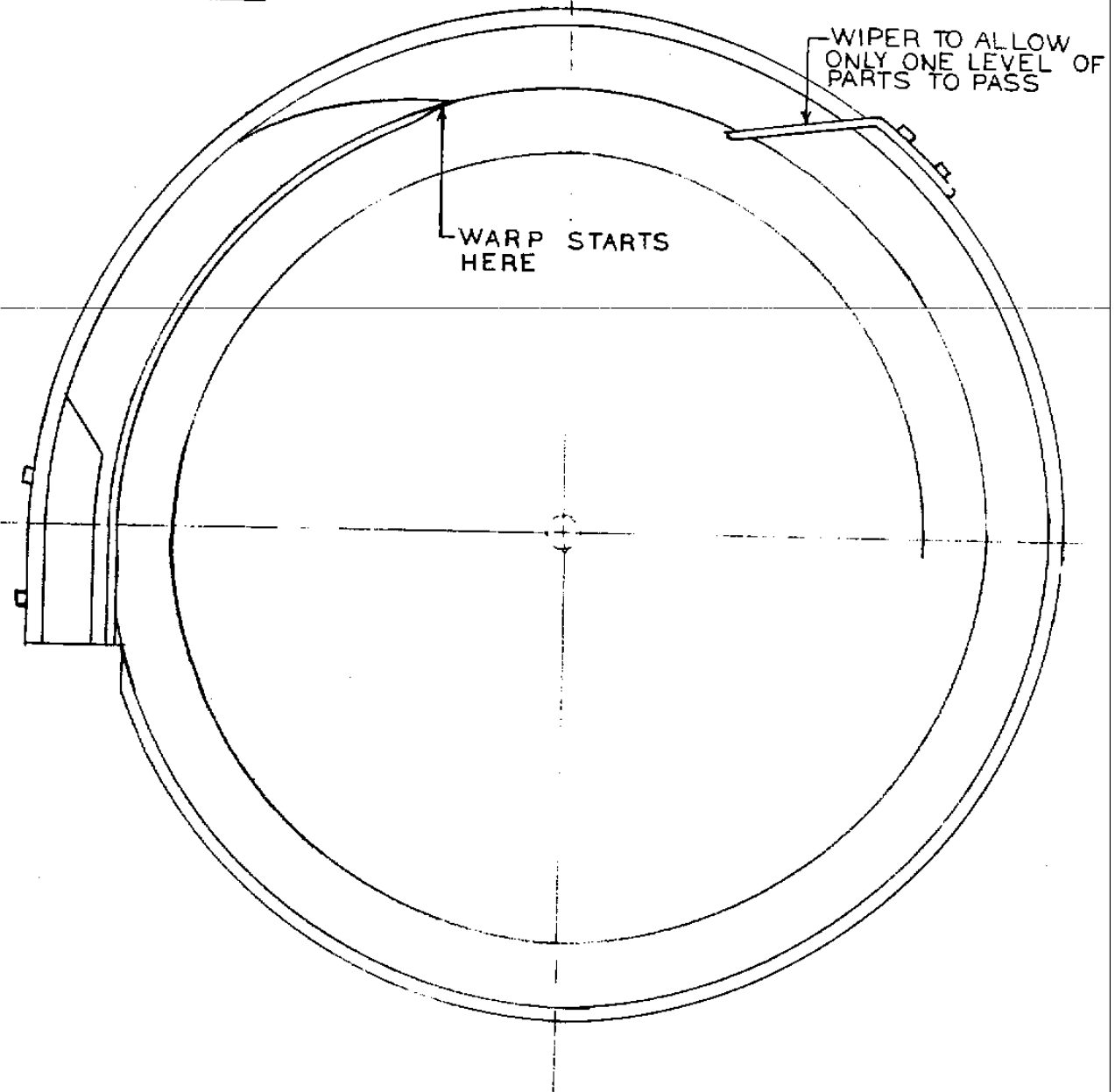
4-21-58

SCALE



DISH SHAPED PARTS

SK. NO. 2019



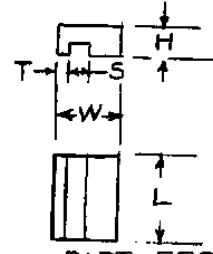
VIBRATORY FEEDER CO.

AUTOMATION PARK, BOX AD

FAIRVIEW, PA, 16415  
PHONE 814/474-5561

CASE NO

**17**



DWN. R.L.L.  
 DATE 6/4/56  
 CHKD W  
 DATE 6-7-56

SCALE

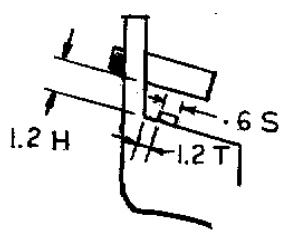
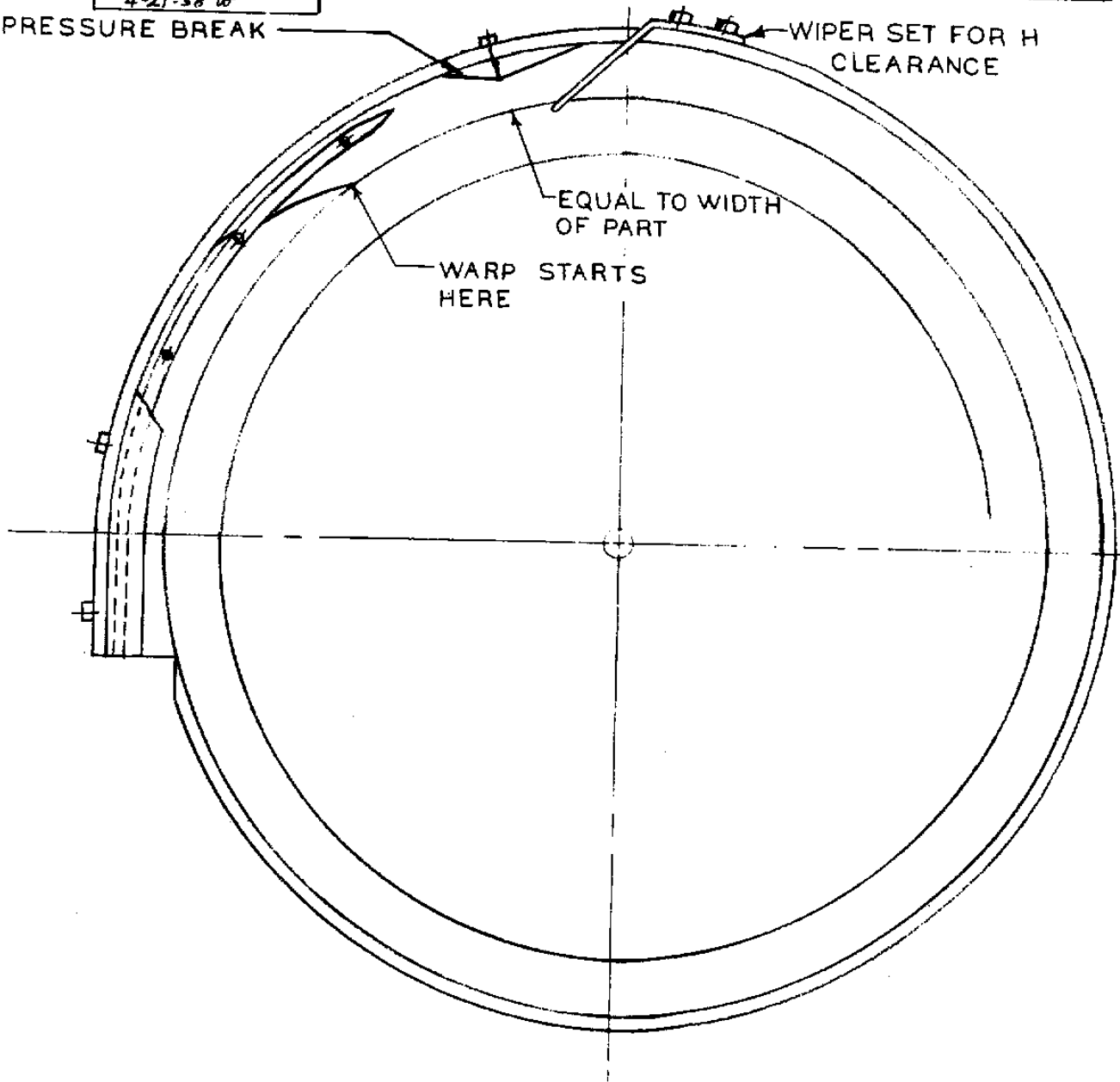
SK. NO. 2020

SLOTTED PART

REVISED  
4-21-58 W

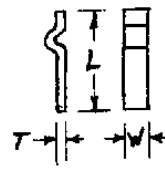
PRESSURE BREAK

WIPER SET FOR H CLEARANCE



VIBRATORY FEEDER CO.  
 AUTOMATION PARK, BOX AD  
 FAIRVIEW, PA. 16415  
 PHONE 814/474-5561

CASE NO  
**18**



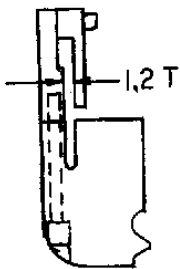
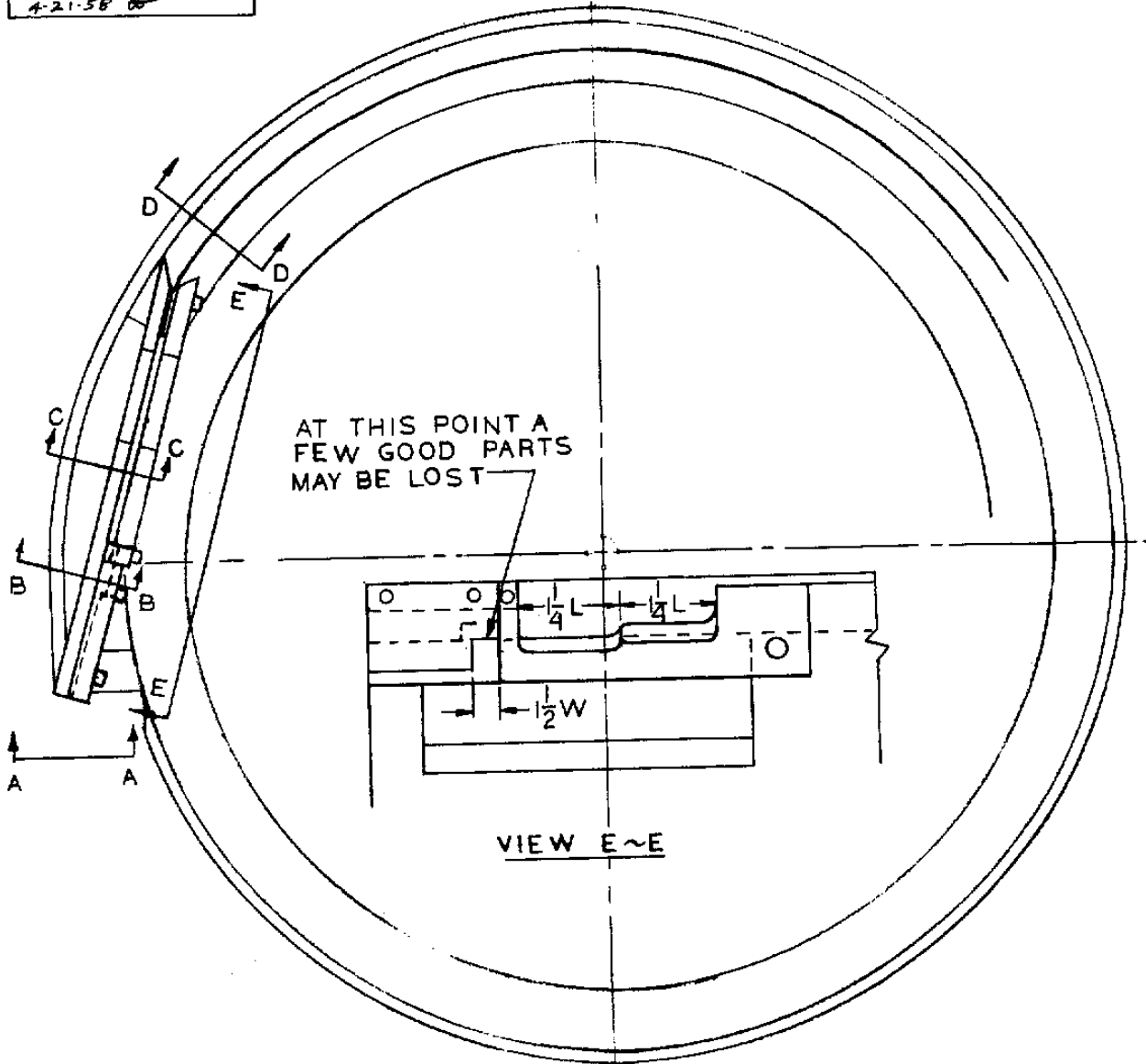
DWN R.L.L.  
 DATE 6/4/56  
 CHK'D W  
 DATE 6-7-56

SCALE   
 SK. NO. 2021

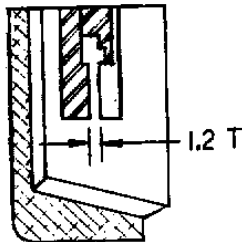
STRIPS WITH A  
 PROJECTION AT  
 ONE END

PART FED

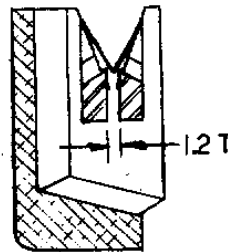
REVISED  
 4-21-58



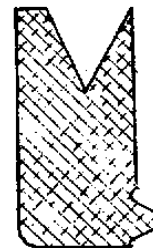
VIEW A~A



SECTION B~B



SECTION C~C



SECTION D~D

VIBRATORY FEEDER CO.

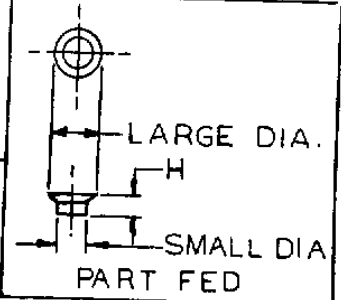
AUTOMATION PARK, BOX AD

FAIRVIEW, PA, 16415

PHONE 814/474-5561

CASE NO

19



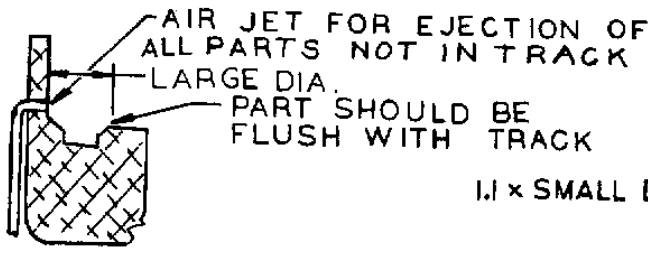
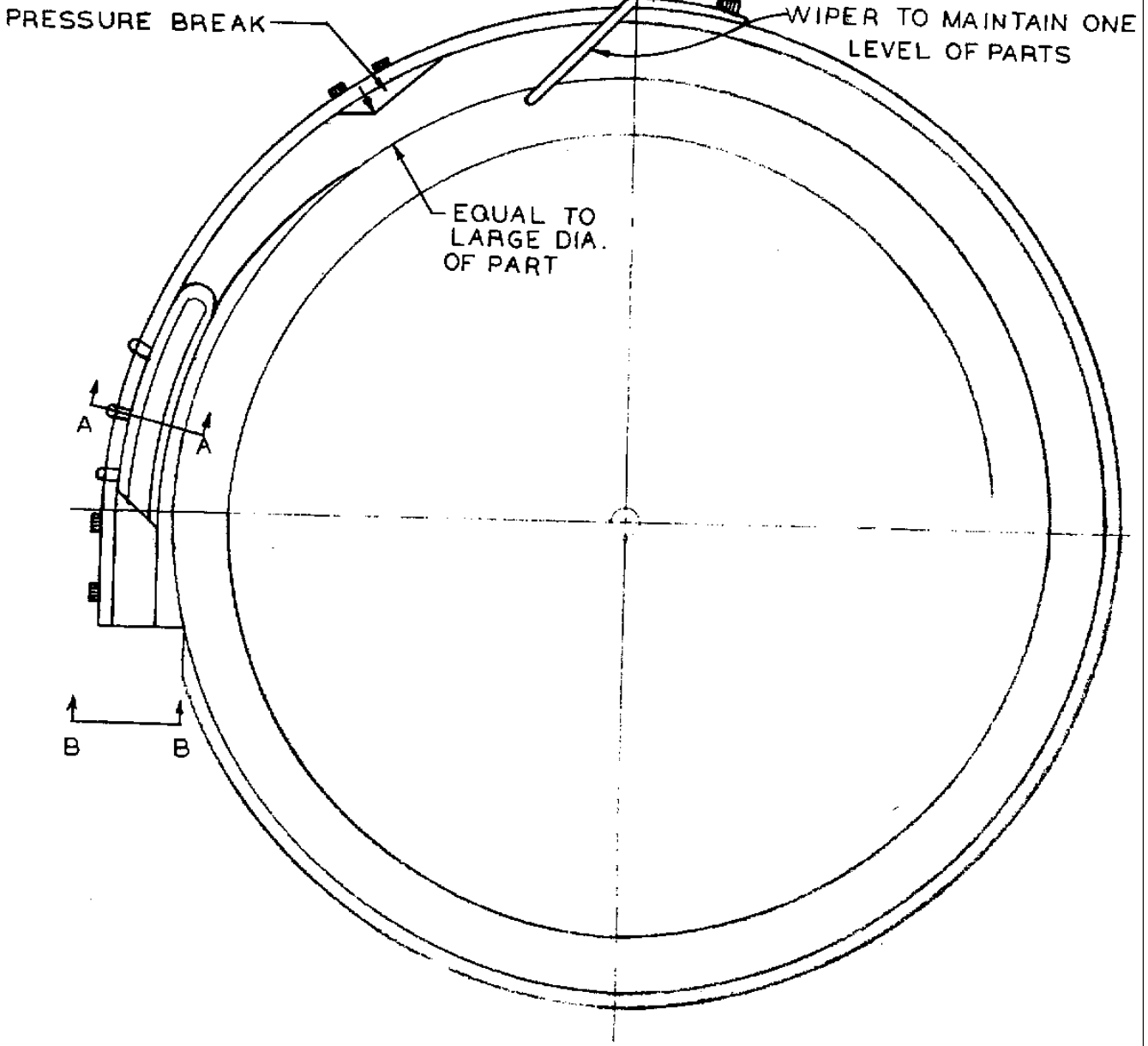
DWN R.L.L.  
 DATE 6/4/56  
 CHKD ✓  
 DATE 6-7-56

SCALE

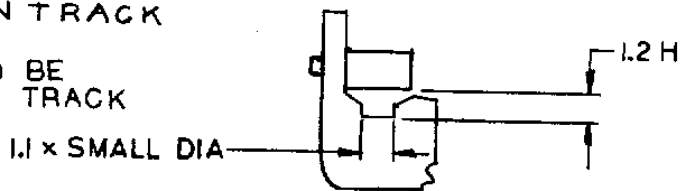
FORMED METAL FLANGED CUP

SK. NO. 2022

REVISED 4-21-58



SECTION A~A



VIEW B~B

VIBRATORY FEEDER CO.

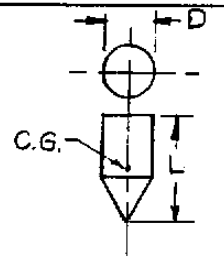
AUTOMATION PARK, BOX AD

FAIRVIEW, PA. 16415

PHONE 814/474-5561

CASE NO

20



DWN R.L.L.

DATE 6/5/56

CHK'D ✓

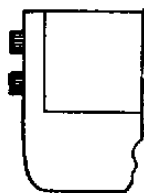
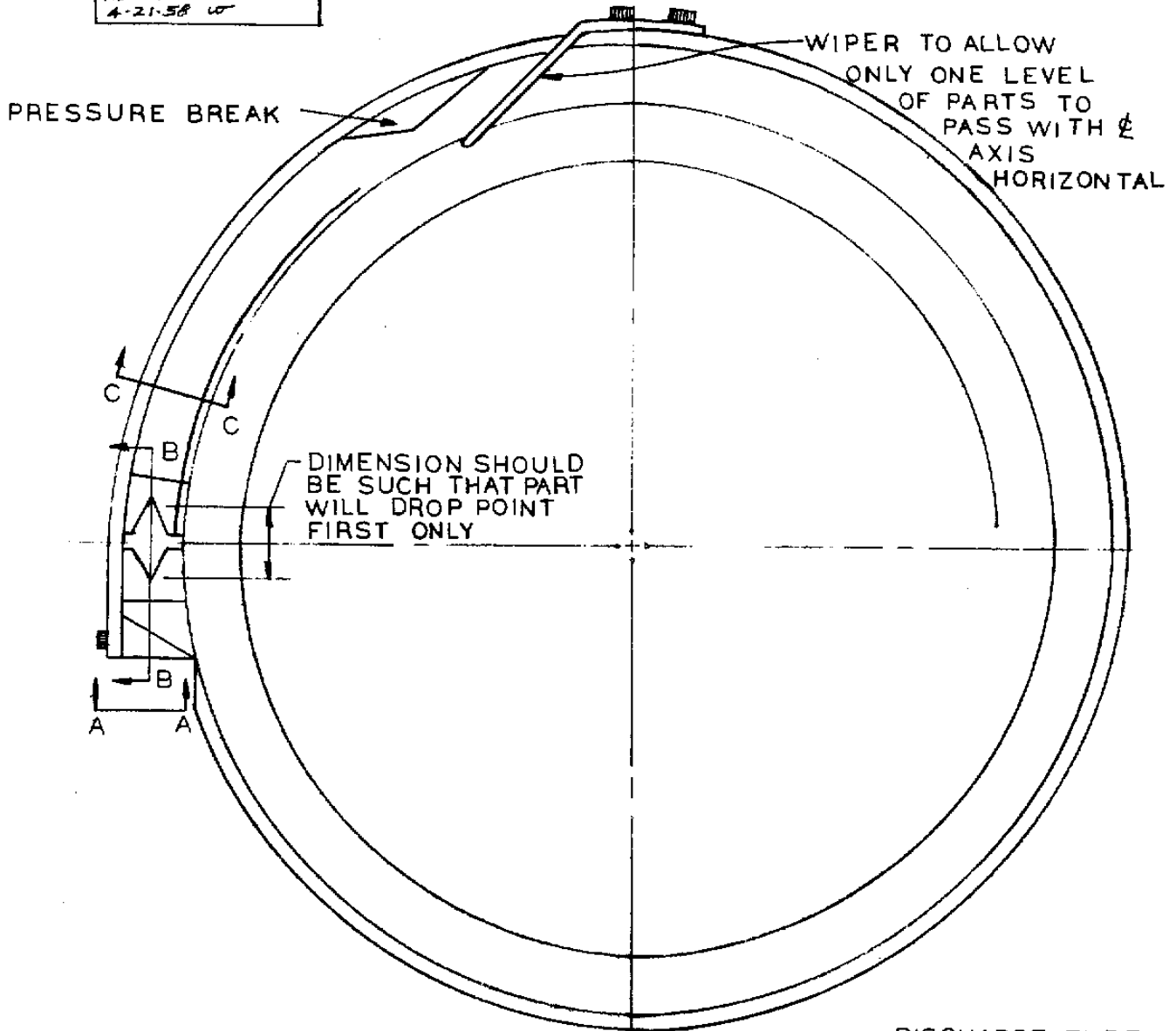
DATE 6-7-56

REVISED  
4-21-58 ✓

SCALE ~

SK NO 2023

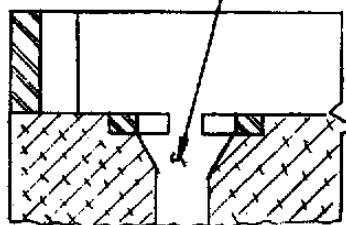
POINTED PARTS  
FEEDING POINT  
LEADING



VIEW A~A



SECTION C~C



SECTION B~B

VIBRATORY FEEDER CO.

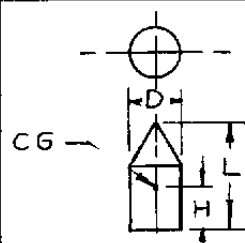
AUTOMATION PARK, BOX AD

FAIRVIEW, FA. 16415

PHONE 814/474-5561

CASE NO

21



PART FED

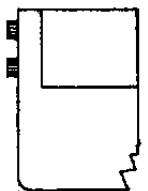
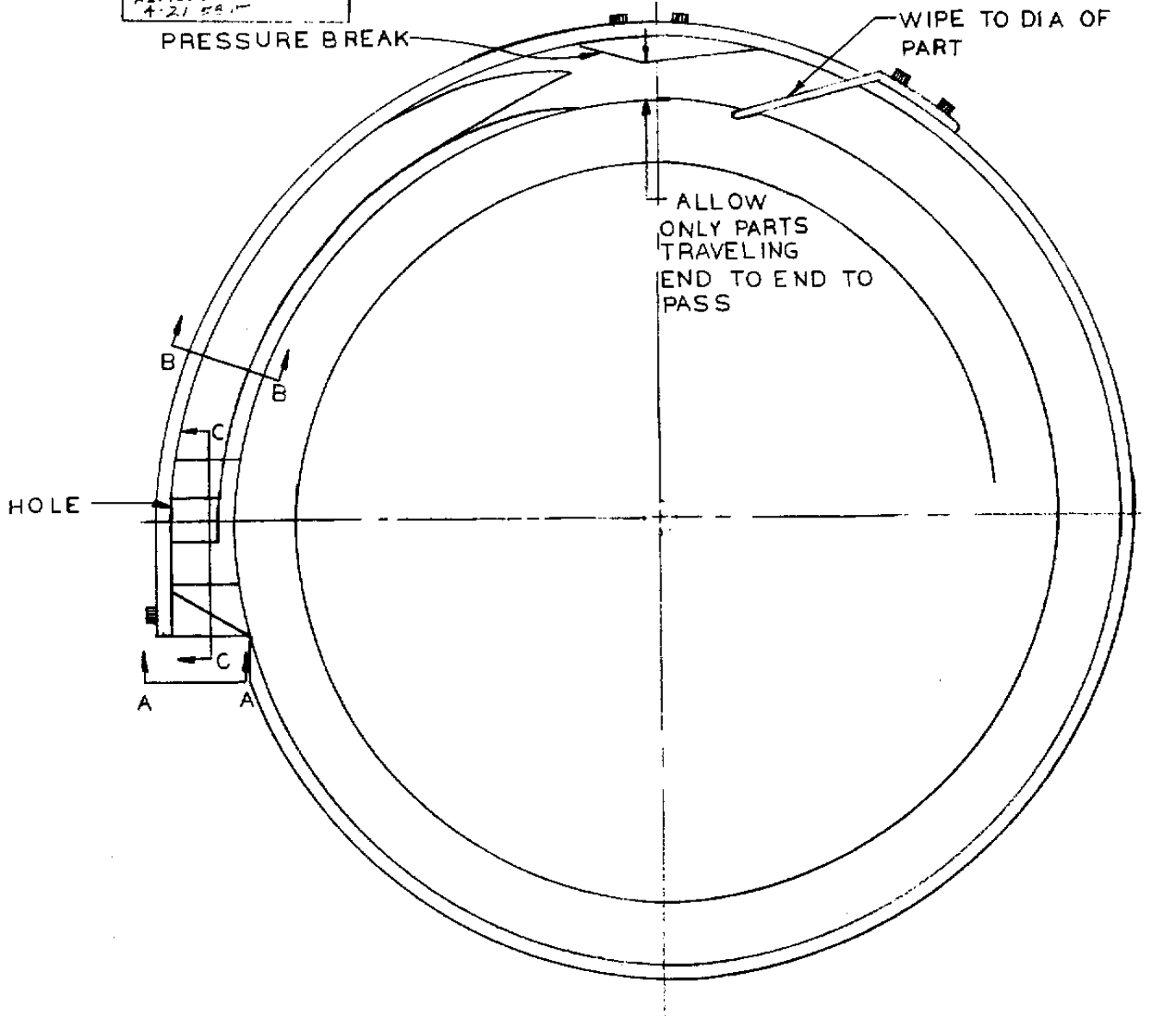
DWN R.L.L.  
 DATE 2/5/56  
 CHK'D ✓  
 DATE 4-21-58

SCALE

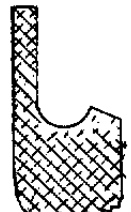
SK. NO. 2024

POINTED PINS  
FEEDING POINT  
TRAILING

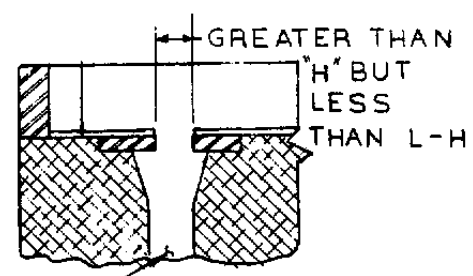
REVISED  
4-21-58



VIEW A~A



SECTION B~B



SECTION C~C

DISCHARGE TUBE MUST NOT ALLOWED TO FILL TO LEVEL OF TRACK-CONTROLL

VIBRATORY FEEDER CO.

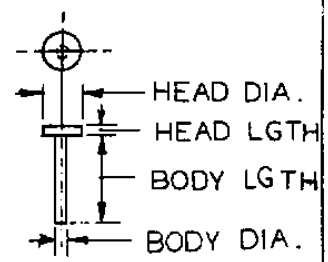
AUTOMATION PARK, BOX AD

FAIRVIEW, PA. 16415

PHONE 814/474-5561

CASE NO

**22**



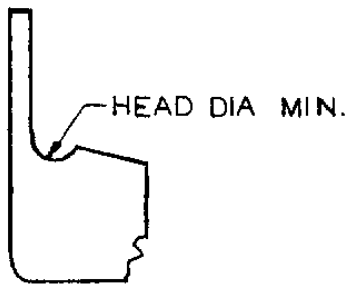
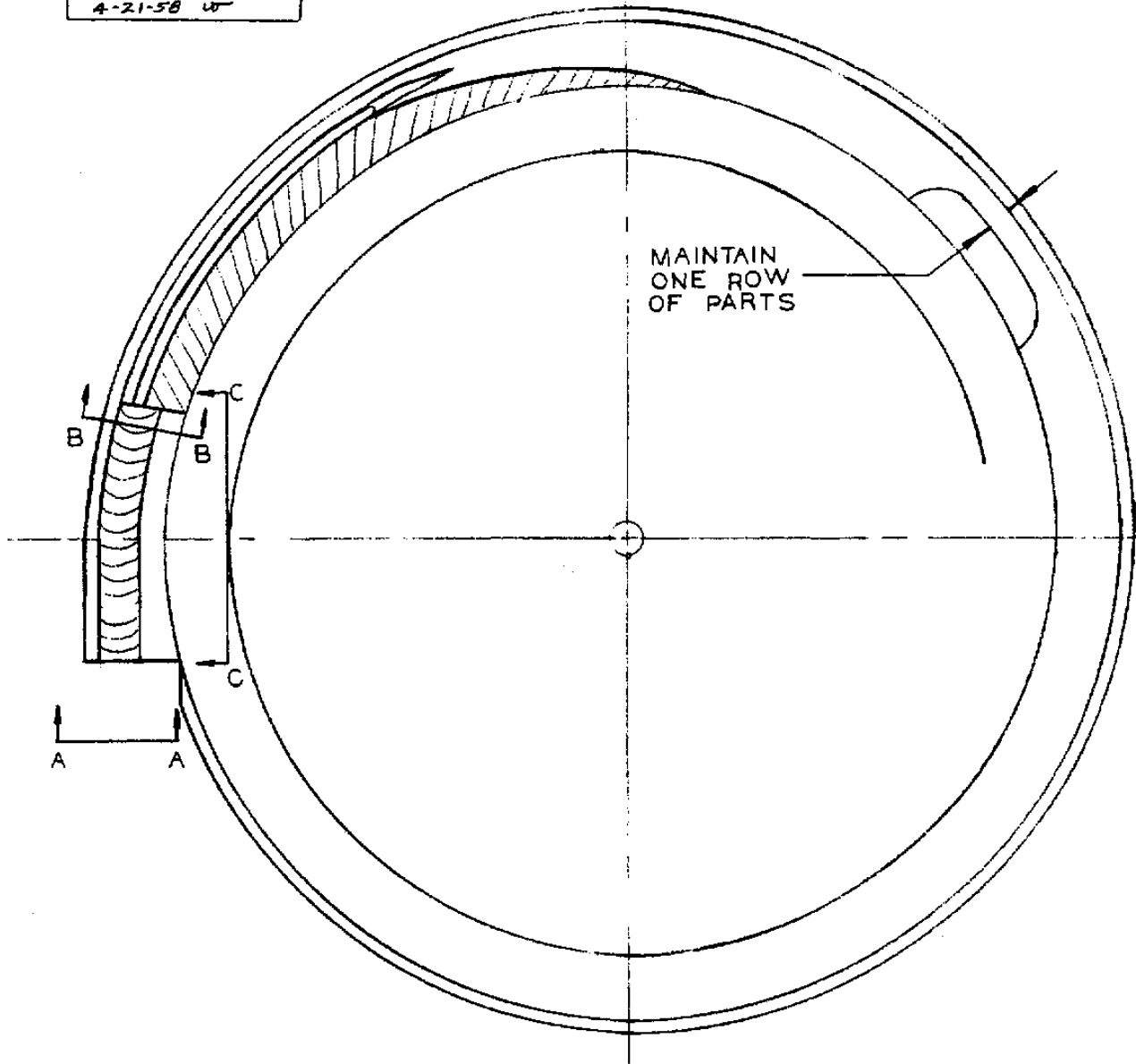
DWN R.L.L.  
DATE 6/5/56  
CHKD W  
DATE 6-7-56

SCALE  $\sim$

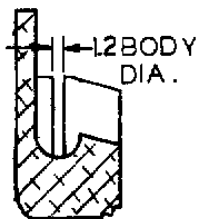
SK. NO. 2025

HEADED PINS  
FEEDING HEAD  
FIRST

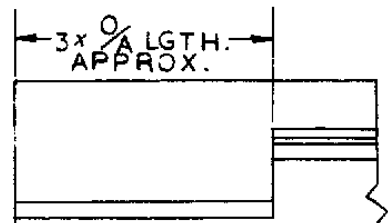
REVISED  
4-21-58 W



VIEW A~A



SECTION B~B



ORIENTATION SECTION  
SHOULD NEVER BECOME  
FILLED. CONTROL BY  
EXTERNAL SWITCHING

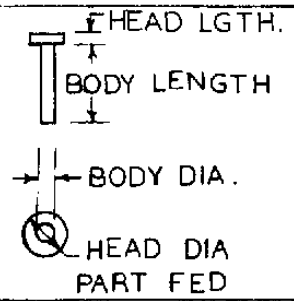
SECTION C~C



VIBRATORY FEEDER CO.  
 AUTOMATION PARK, BOX AD  
 FAIRVIEW, PA. 16415  
 PHONE 814/474-5561

CASE NO

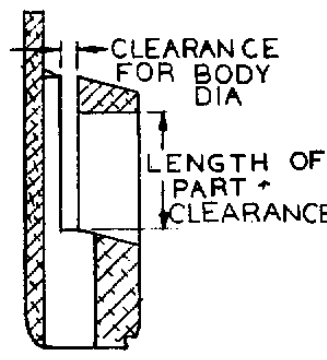
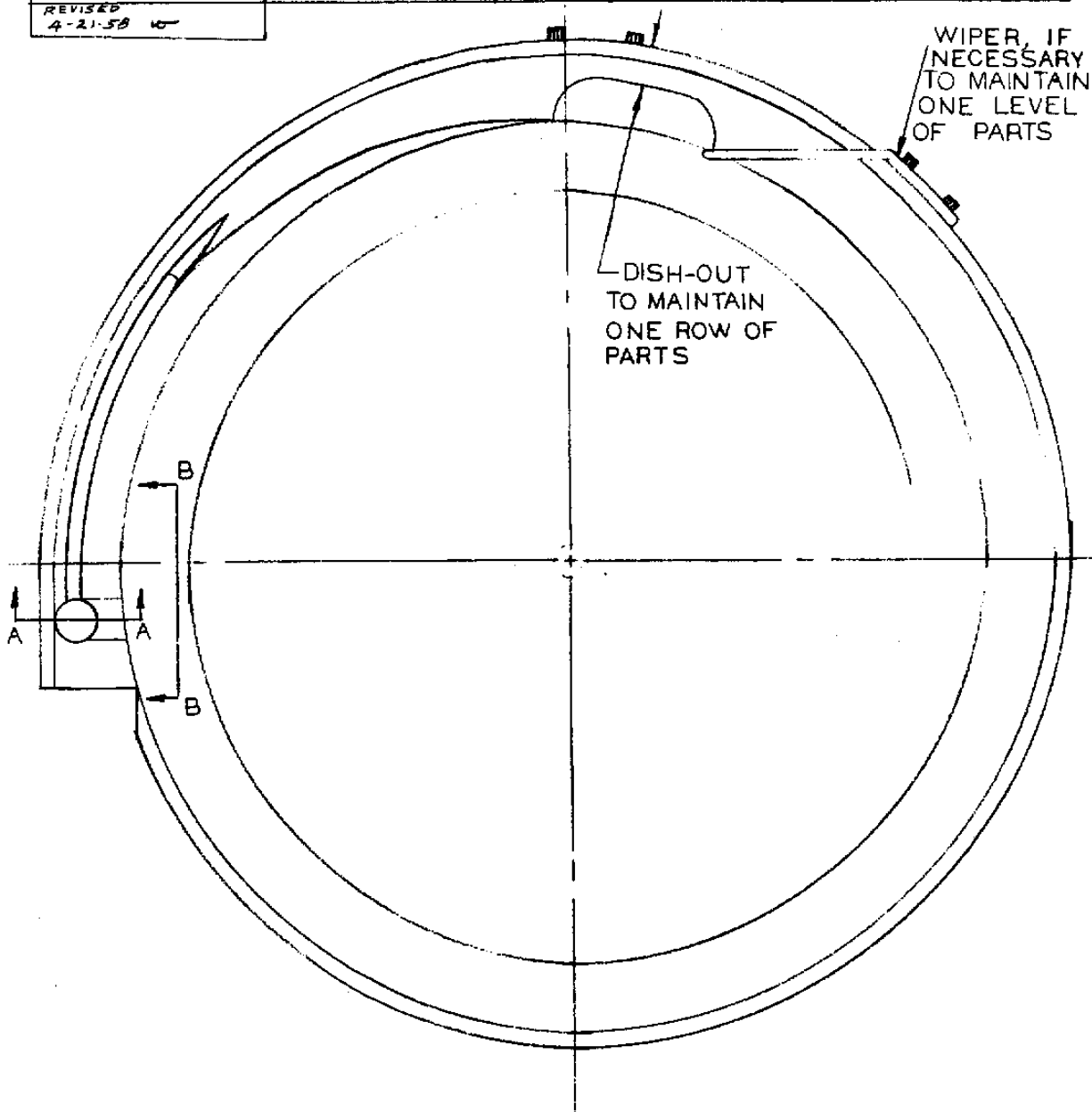
**23**



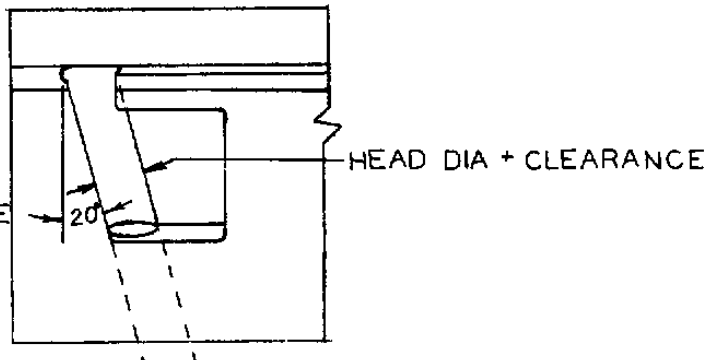
DWN R.L.L.  
 DATE 6/5/56  
 CHKD W  
 DATE 6-7-56  
 REVISED  
 4-21-58 W

SCALE ~  
 SK NO 2026

HEADED PINS  
 FEEDING  
 BODY FIRST



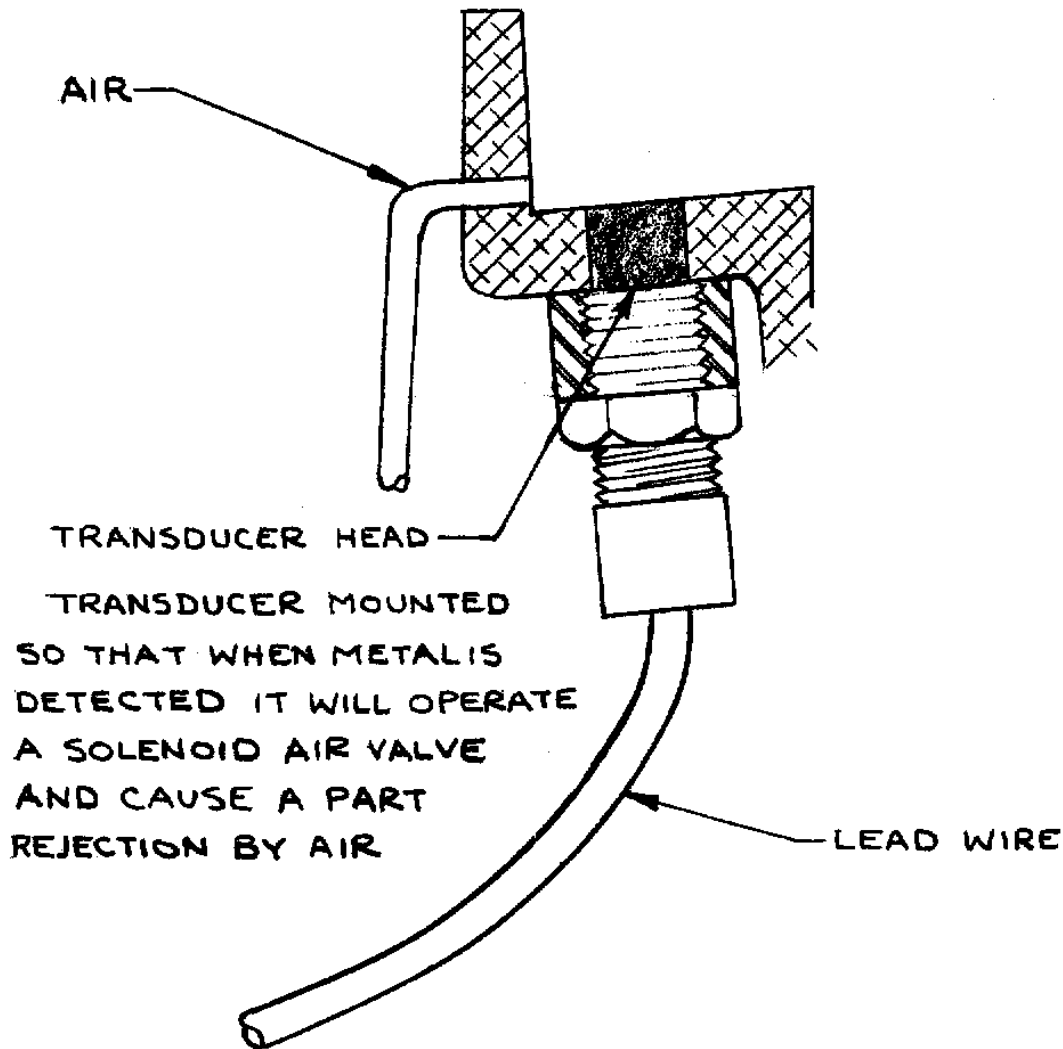
SECTION A~A



VIEW B~B

<b>VIBRATORY FEEDER CO.</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>24</b>	
DWN RLL DATE 6-13-56 CHK'D W DATE 6-23-56	SCALE ~ SK.NO.2027	ELECTRONIC DETECTION OF METALS	
REVISED 4-21-58			

USED IN ORIENTING BIMETALIC PARTS, OR NONMETALLIC PARTS WITH METAL IMBEDDED ON ONE SURFACE. SHOWN HERE AS COULD BE USED IN CASE NO. 6, BUT MAY BE USED WITH VARIOUS OTHER TECHNIQUES



VIBRATORY FEEDER CO.  
 AUTOMATION PARK, BOX AD  
 FAIRVIEW, PA. 16415  
 PHONE 814/ 474-5561

CASE NO.  
**25**

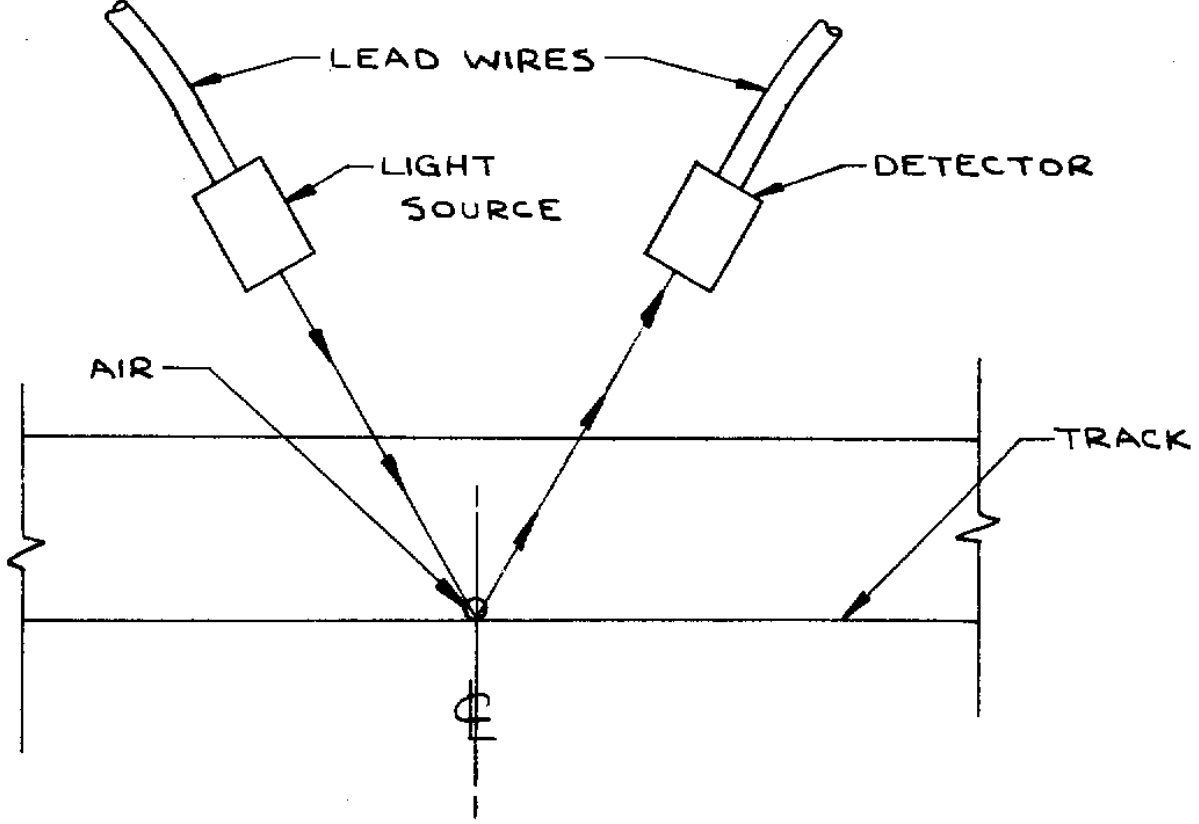


DWN RGM  
 DATE 9-9-66  
 CHK'D WJ  
 DATE 9-7-66  
 REDWUN Rgm 9-9-66

SCALE ~  
 SK. NO. 2028

PHOTO-ELECTRIC  
 DETECTION OF  
 SURFACE FINISH  
 OR COLOR

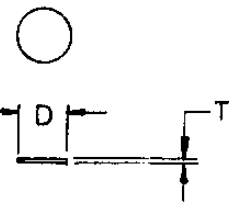
PART FED




DETECTOR IS EXTREMELY SENSITIVE TO LIGHT. CHANGES IN AMOUNT OF LIGHT INITIATES AN ELECTRICAL RESPONSE WHICH WILL OPERATE A SOLENOID AIR VALVE AND CAUSE PART REJECTION BY AIR. MAY BE USED WITH ANY DESIGN OF FEEDER.

VIBRATORY FEEDER CO.  
 AUTOMATION PARK, BOX AD.  
 FAIRVIEW, PA, 16415  
 PHONE 814/474-5561

CASE NO  
**26**

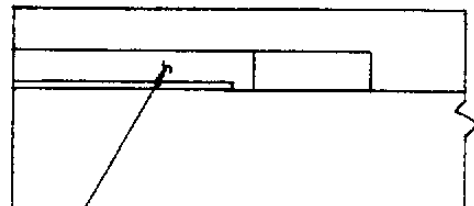
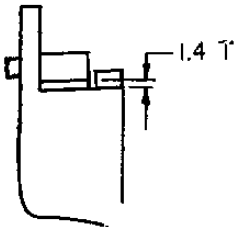
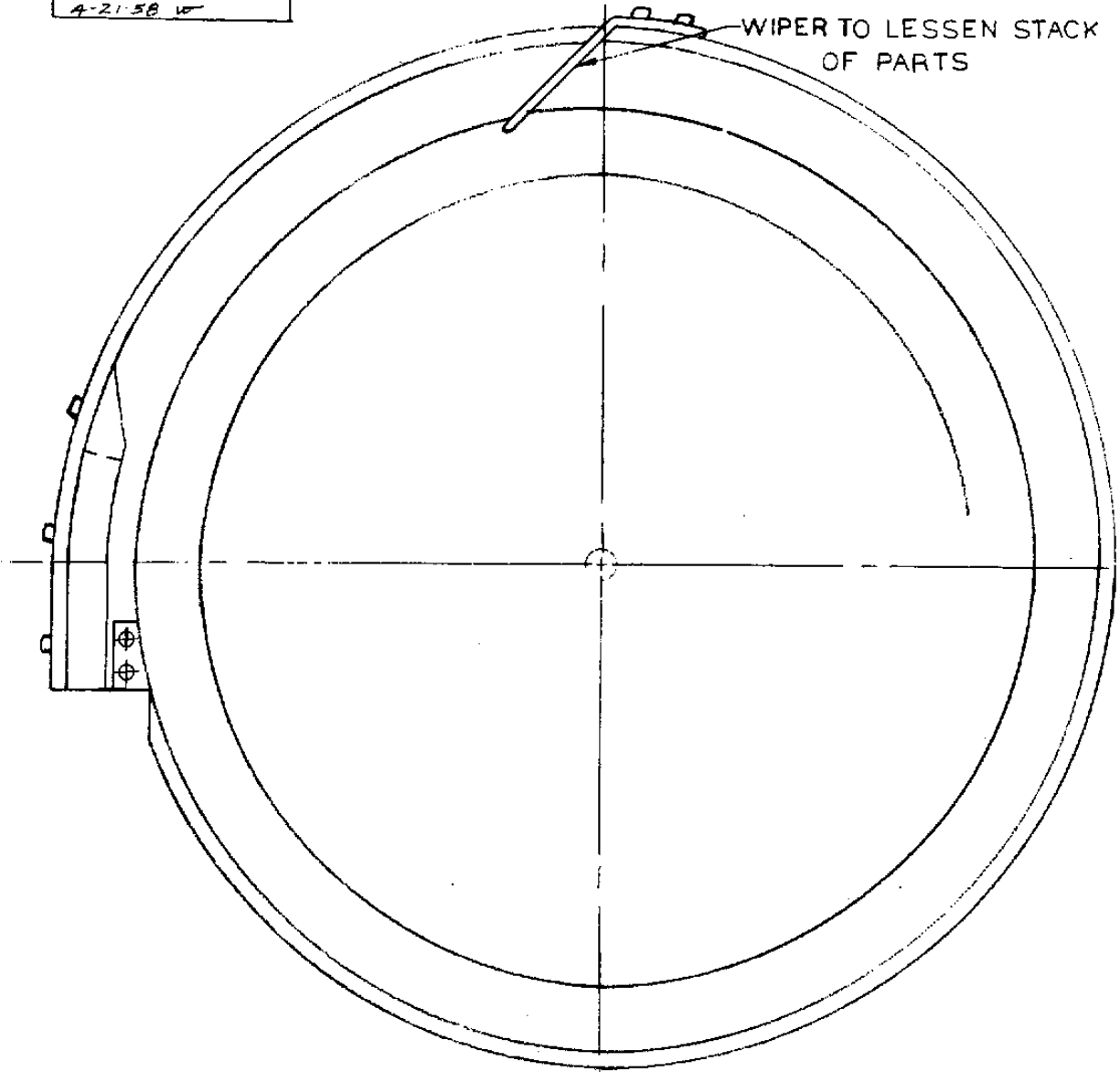


DWN R.L.L.  
 DATE 6/5/58  
 CHKD W  
 DATE 6-7-58  
 REVISED  
 4-21-58 W

SCALE   
 SK NO 2029

VERY THIN  
 DISC OR WASHER

PART FED.



USED TO PREVENT  
 WEDGING BY FORCING  
 PART OUT AROUND  
 AND ALLOWING PART  
 TO DRIFT BACK  
 UNDER RAIL

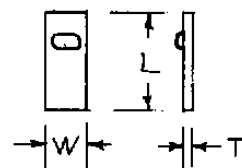
VIBRATORY FEEDER CO.

AUTOMATION PARK, BOX AD

FAIRVIEW, PA, 16415  
PHONE 814/474-5561

CASE NO.

**27**



DWN R.L.L.

DATE 6-8-56

CHKD W

DATE 6-9-56

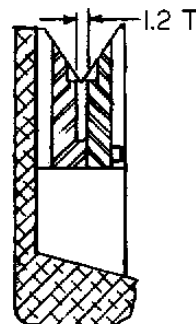
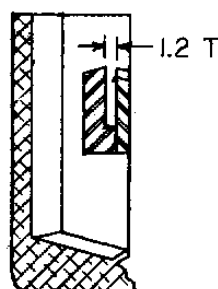
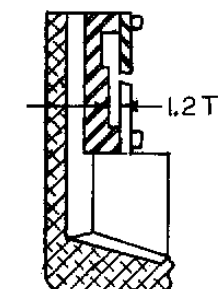
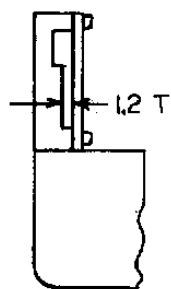
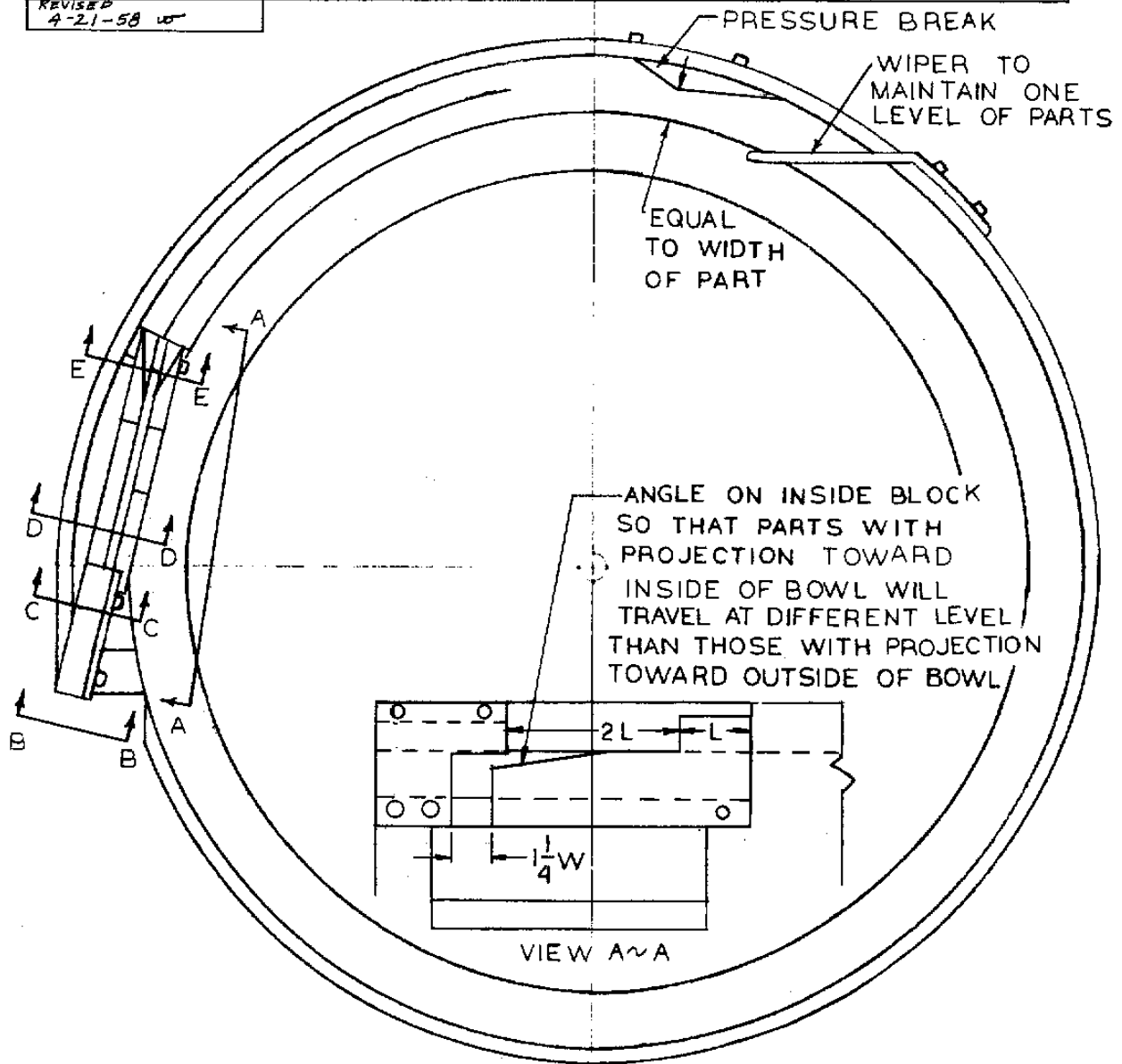
REVISED  
4-21-58 W

SCALE ~

SK NO 2030

SECTION OF PART  
BY FINE DIMPLE  
NEAR ONE END

PART FED



VIEW B~B

SECTION C~C

SECTION D~D

SECTION E~E

VIBRATORY FEEDER CO.

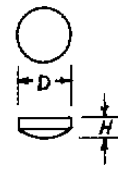
AUTOMATION PARK, BOX AD

FAIRVIEW, PA. 16415

PHONE 814/474-5561

CASE NO.

28

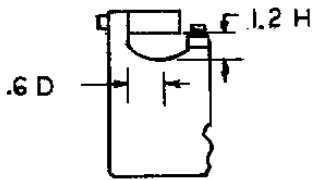
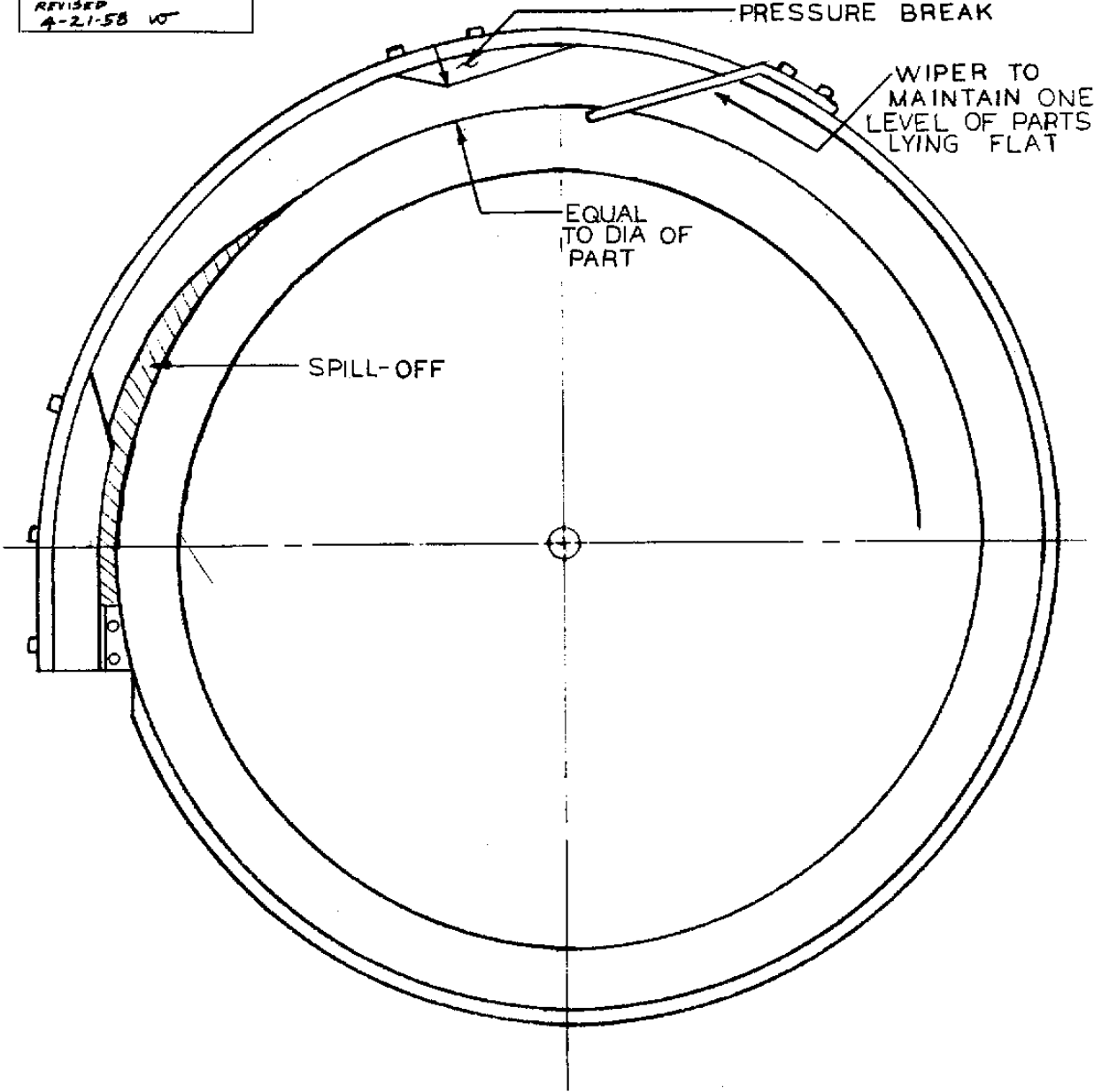


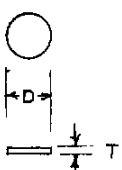

DWN R.L.L.  
 DATE 6-10-56  
 CHKD W  
 DATE 4-21-58  
 REVISED  
 4-21-58 W

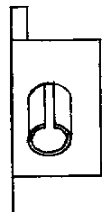
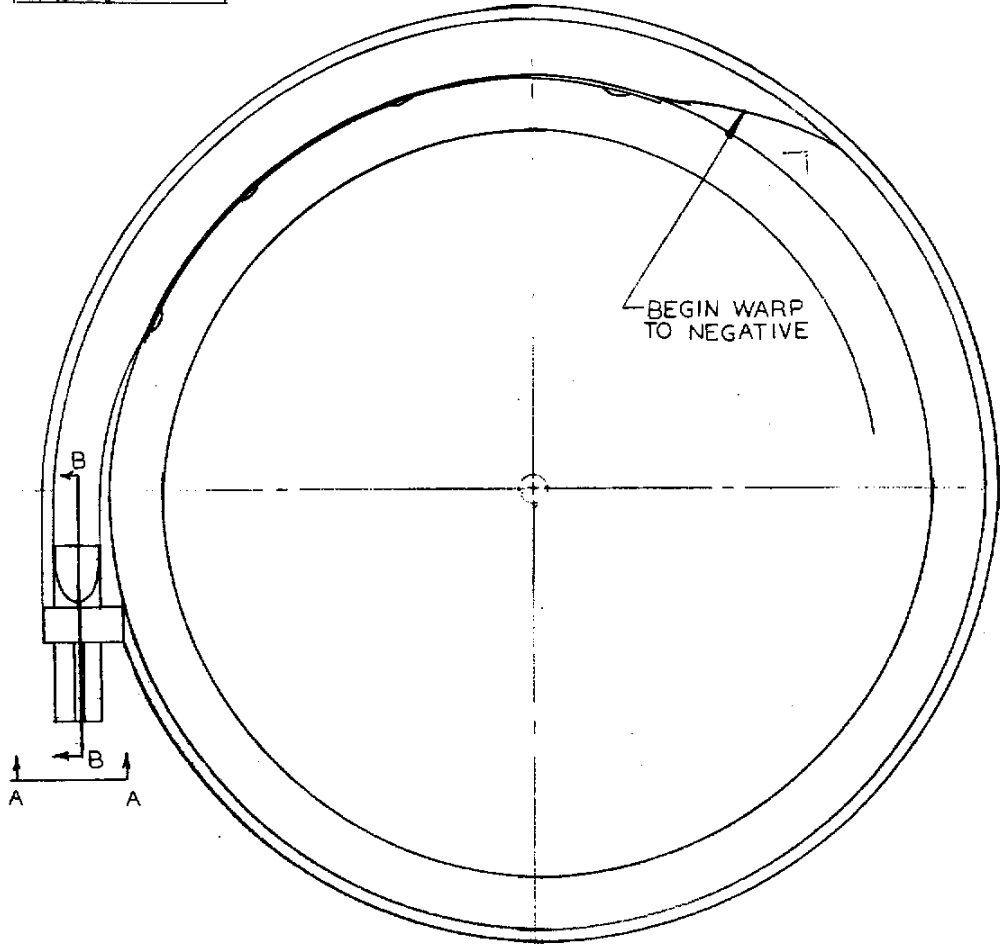
SCALE  $\sim$   
 SK NO 2031

SHALLOW DISHED  
 BLANKS OR  
 STAMPINGS

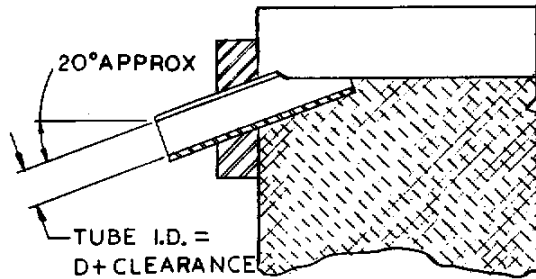
PART FED



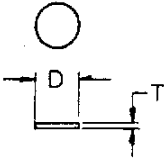

VIBRATORY FEEDER CO. AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>29</b>	
DWN R.L.L. DATE 6/5/56 CHKD W DATE 6-7-56 REVISED 4-21-58 W	SCALE  SK NO	STACKING FLAT WASHER & DISC	PART FED

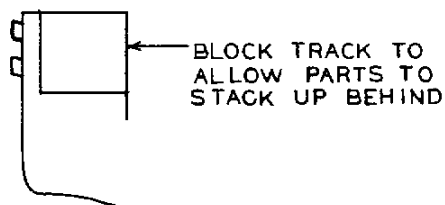
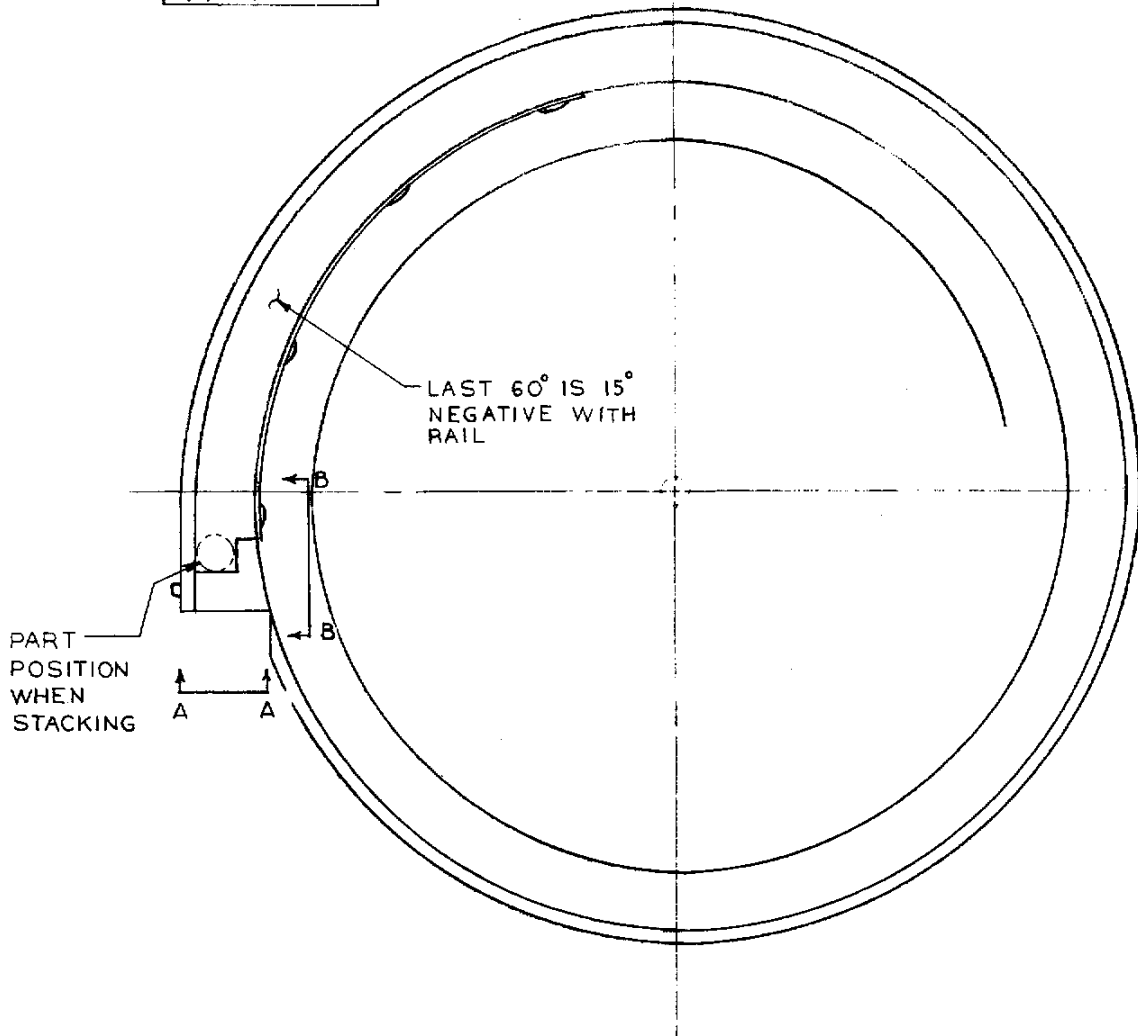


VIEW A ~ A

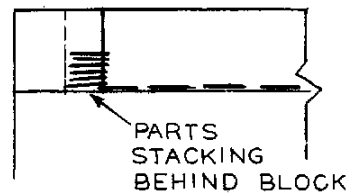


SECTION B ~ B

VIBRATORY FEEDER CO. AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-3561		CASE NO. <b>30</b>	
DWN. R.L.L. DATE 6/5/56 CHK'D W DATE 6-7-56 REVISED 4-21-58 W	SCALE  SK NO. 2033	STACKING DISCS TO A HEIGHT	PART FED



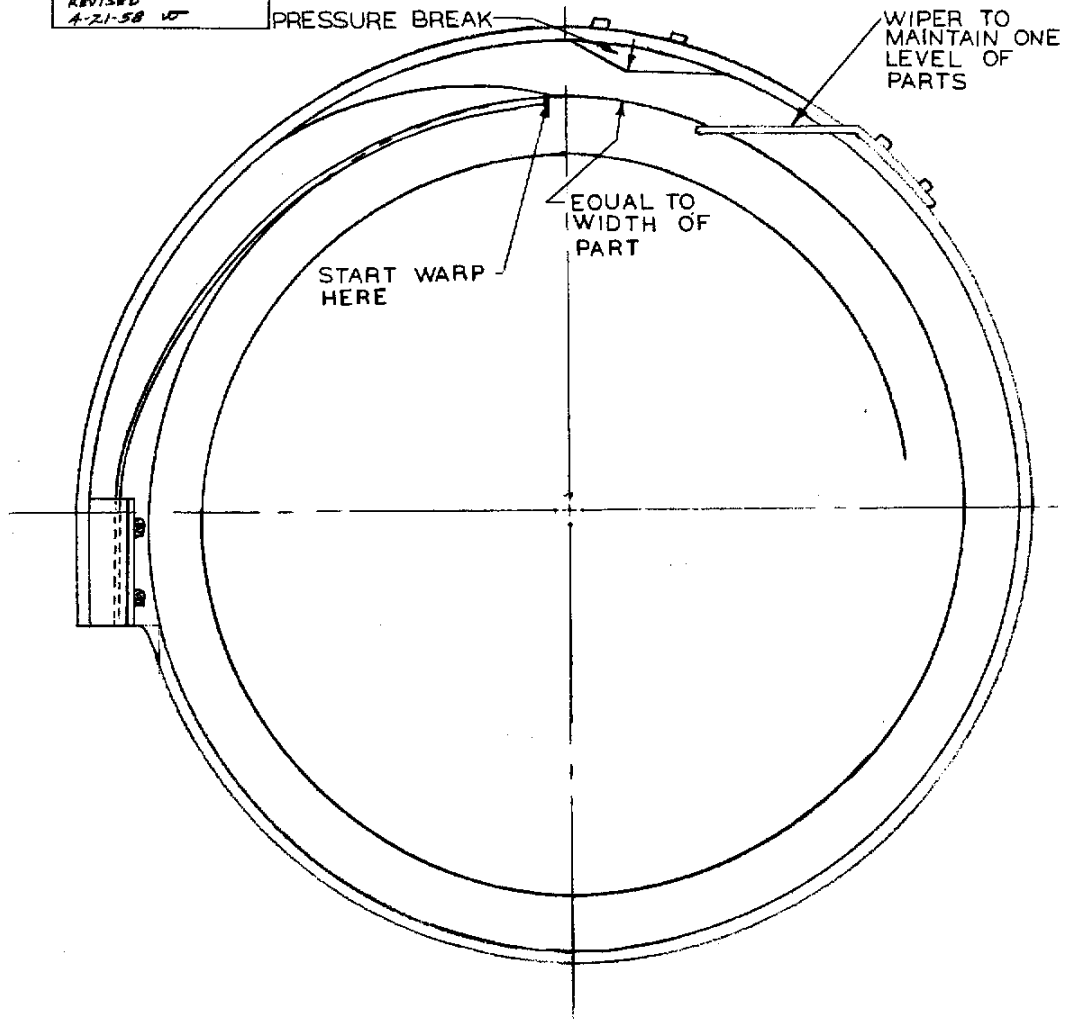
VIEW A~A



VIEW B~B

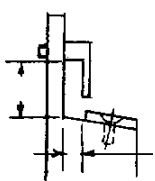
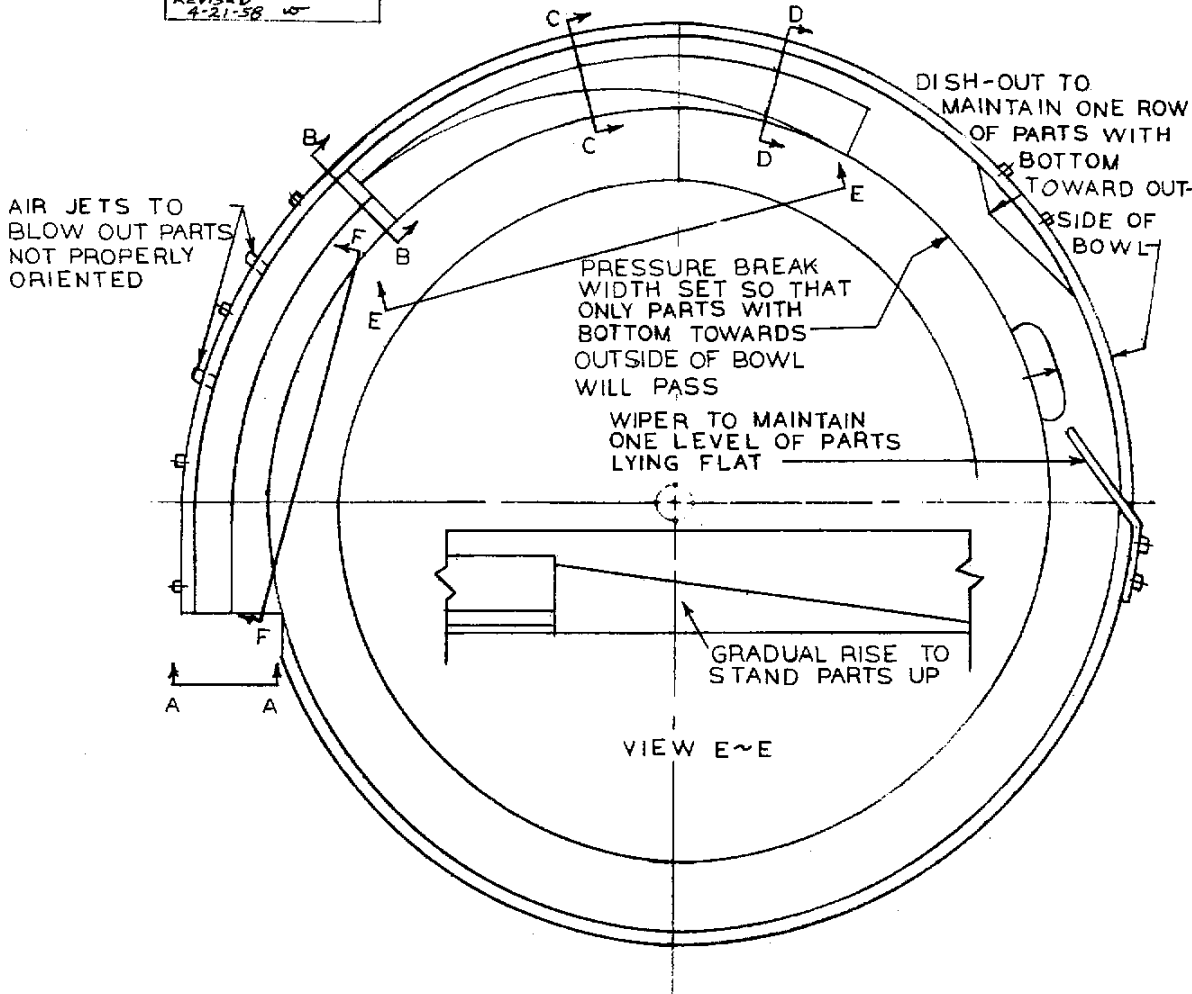


<b>VIBRATORY FEEDER CO.</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>31</b>	
DWN R.L.L. DATE 6/7/56 CHKD ✓ DATE 4-21-58 REVISED 4-21-58 ✓	SCALE ~~~~~ SK NO 2034	ORIENTING BY CENTER OF GRAVITY	PART FED

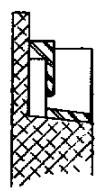


ANGLE OF PROJECTION SHOULD BE SUCH THAT PARTS NOT PROPERLY ORIENTED WILL FALL OFF BEFORE REACHING HOLDOWN

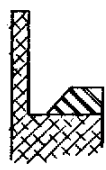
VIBRATORY FEEDER CO AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>32</b>	
DWN R.L.L. DATE 6-14-56 CHK'D ✓ DATE 6-22-56 REVISED 4-21-58 ✓	SCALE ~ SK. NO 2035	IRREGULAR FLAT PART	PART FED



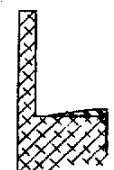
VIEW A~A



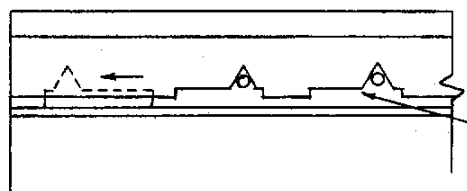
SECTION B~B



SECTION C~C



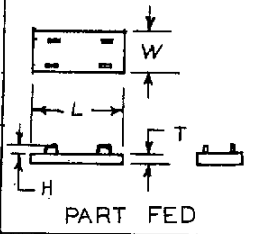

SECTION D~D

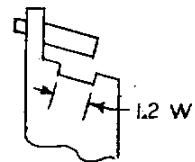
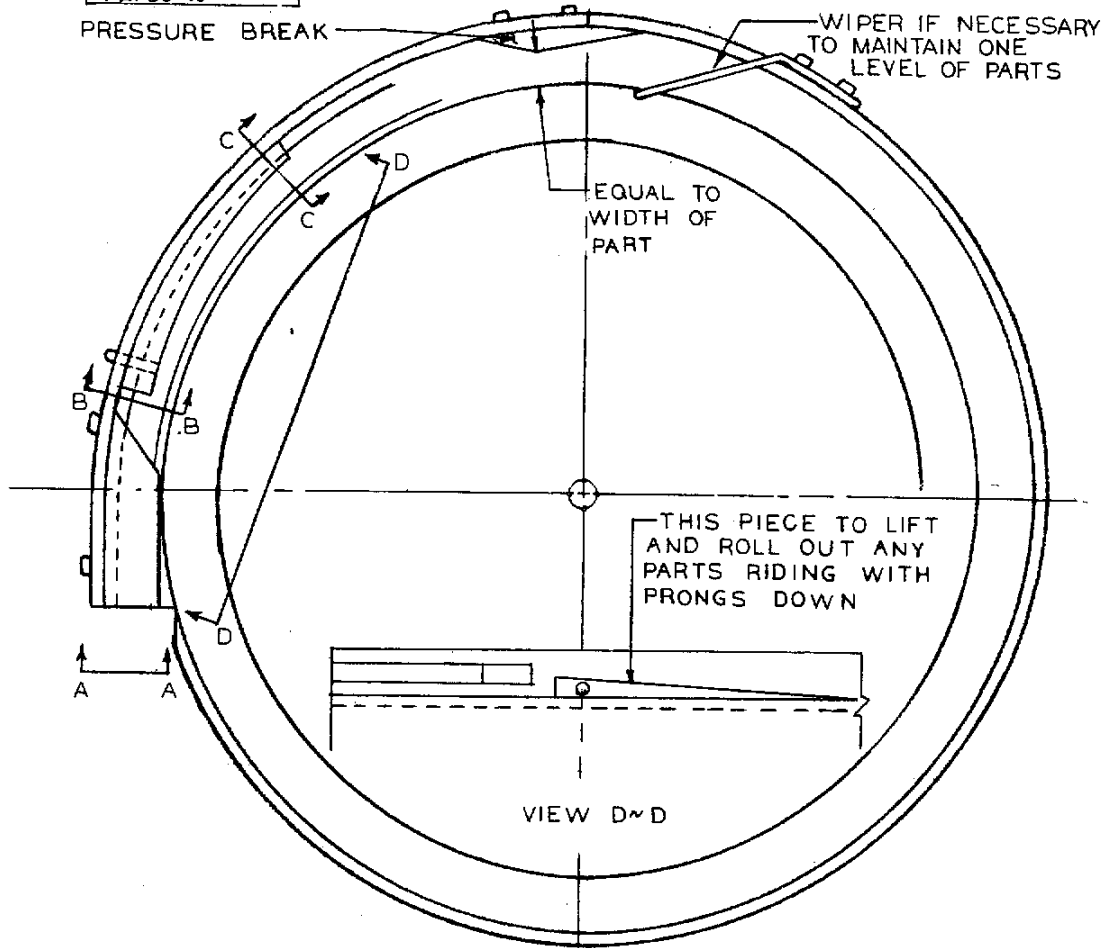


VIEW F~F

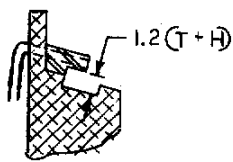
SILHOUETTE FORM SLIGHTLY LARGER THAN PART SIZE TO ALLOW AIR TO REJECT PARTS NOT PROPERLY ORIENTED

© 1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.

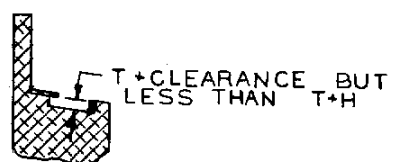
<b>VIBRATORY FEEDER CO.</b> AUTOMATION PARK, BOX AD. FAIRVIEW, PA, 16415 PHONE 814/474-5561		CASE NO <b>33</b>	
DWN R.L.L. DATE 6-11-56 CHKD W DATE 6-23-56 REVISED 4-21-58 WJ	SCALE  SK NO 2036	PARTS WITH PRONGS OR TABS	PART FED



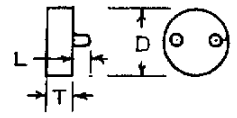
VIEW A~A

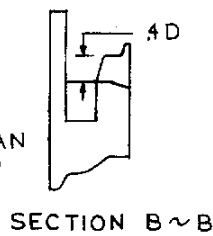
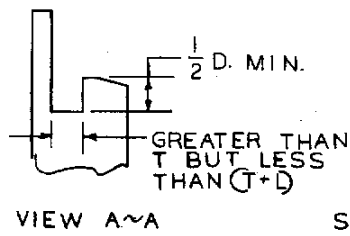
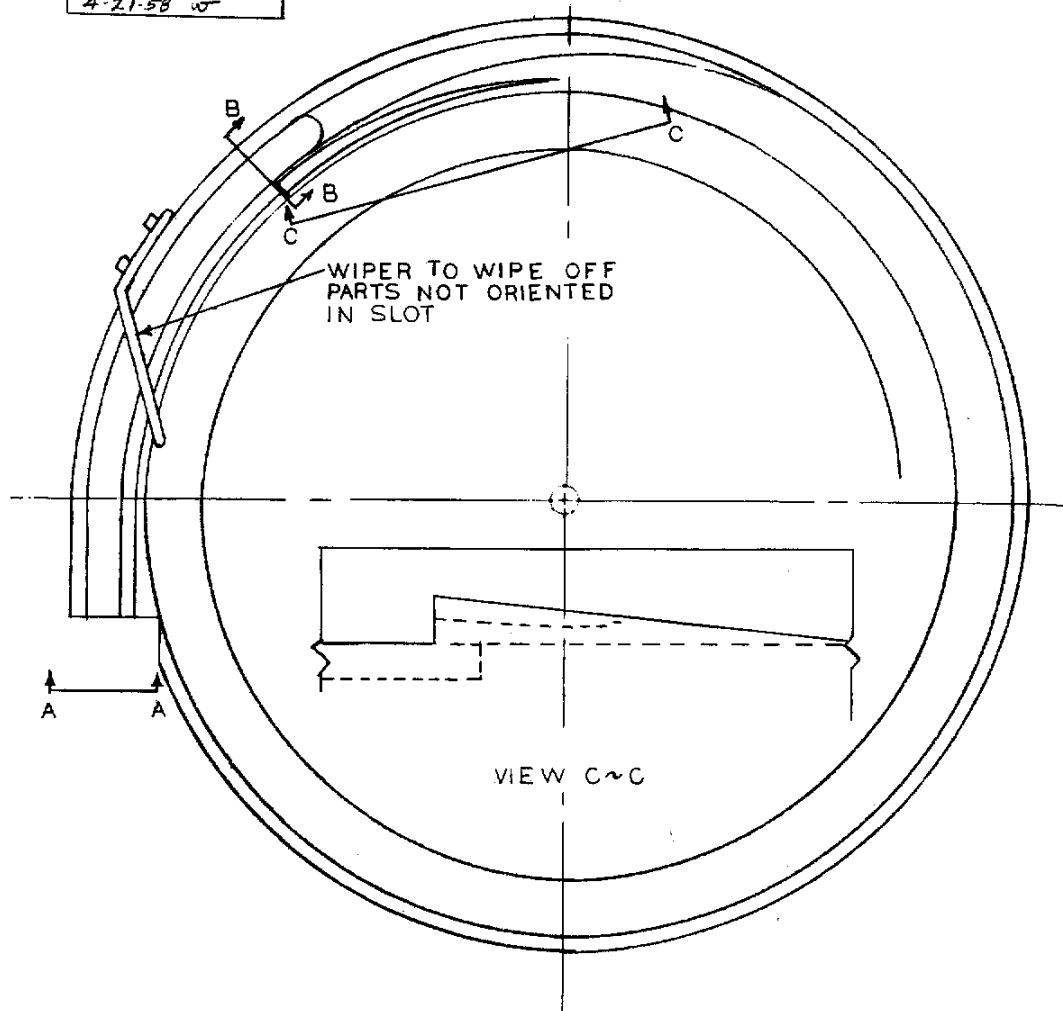


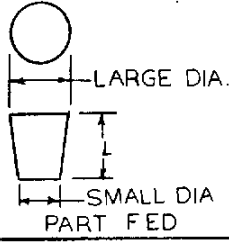
SECTION B~B

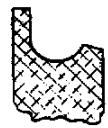
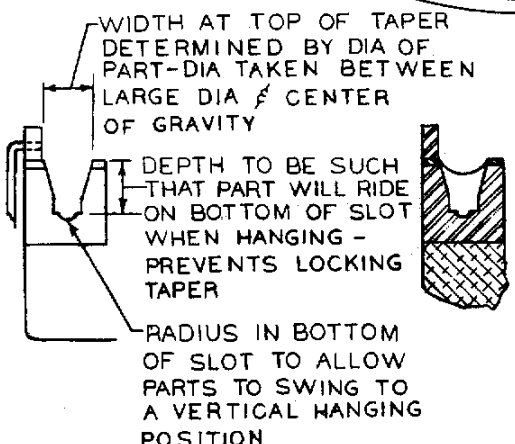
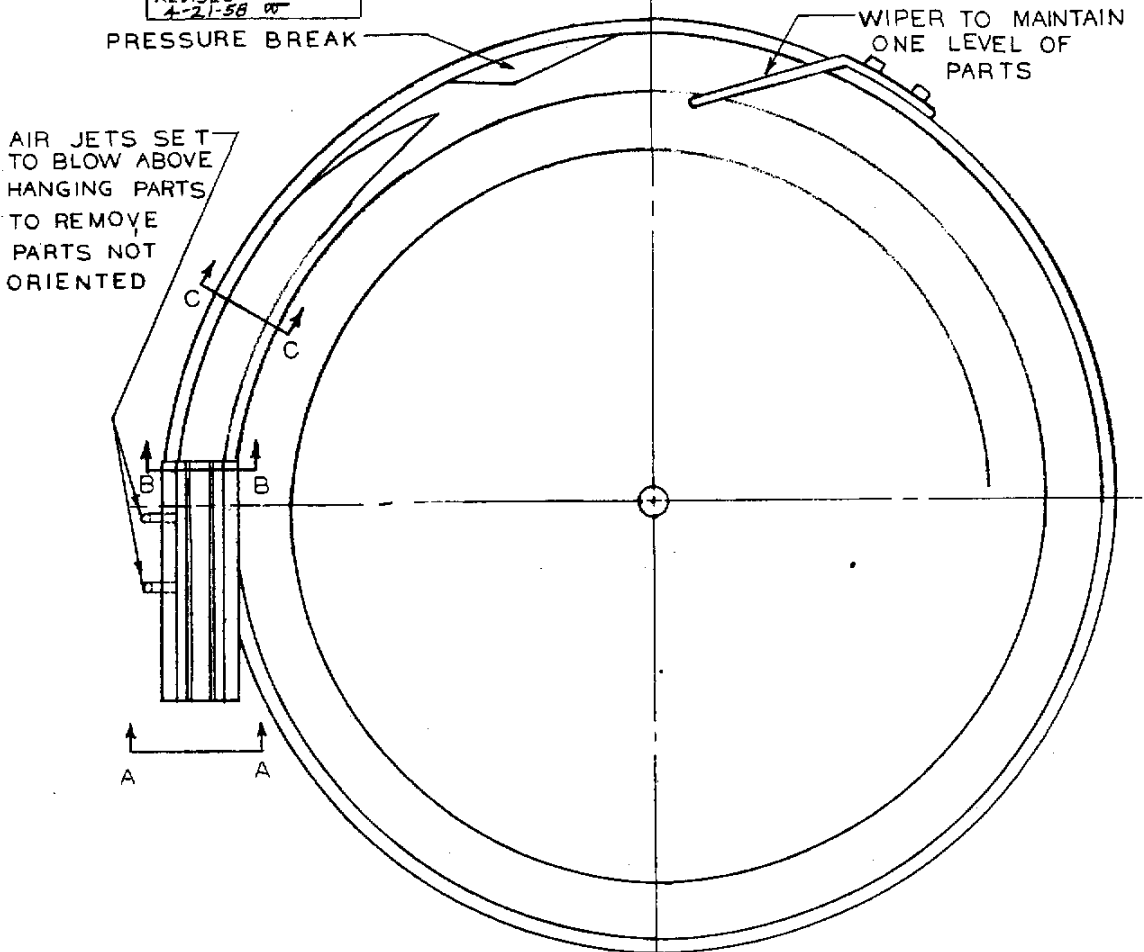


SECTION C~C

<b>VIBRATORY FEEDER CO.</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>34</b>	
DWN DATE 6-11-56 CHKD ✓ DATE 6-23-56 REVISED 4-21-58 ✓	R.L.L. 6-11-56	SCALE ~ SK NO 2037	PARTS WITH PROJECTING PINS PART FED



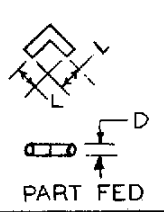
<b>VIBRATORY FEEDER CO.</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>35</b>	
DWN. DATE 6-12-56 CHK'D DATE 6-23-56 REVISED 1-21-58	R.L.L. 6-12-56 W W	SCALE ~ SK NO 2038	CONE OR A FRUSTUM OF A CONE

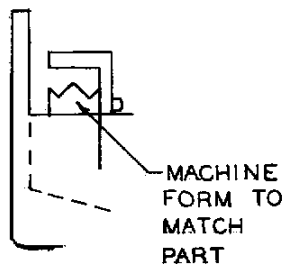
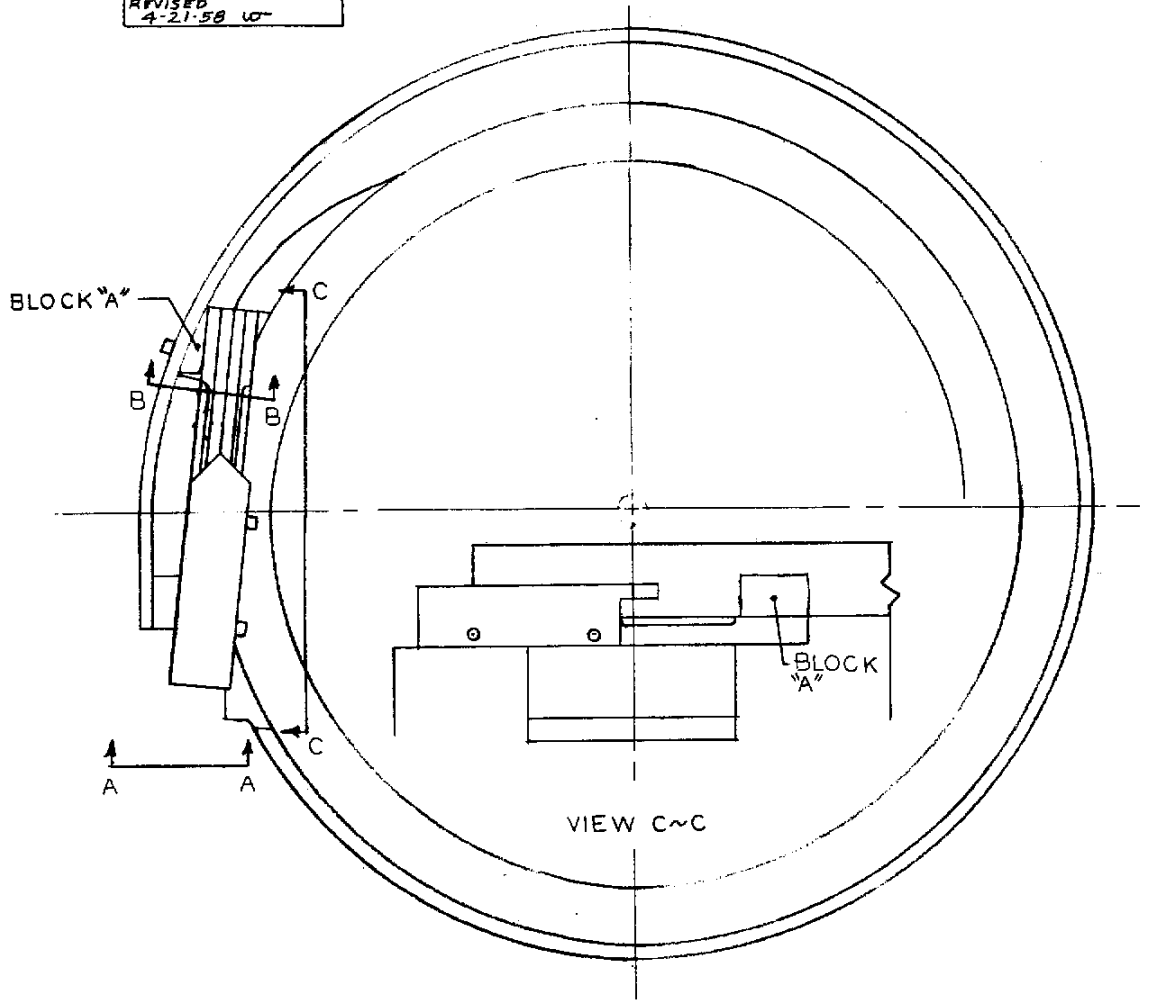


SECTION C~C

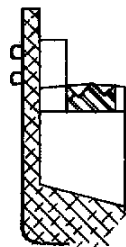
VIEW A~A

SECTION B~B

VIBRATORY FEEDER CO. AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>36</b>	
DWN. R.L.L. DATE 6-13-56 CHKD. W DATE 6-23-56 REVISED 4-21-58 W	SCALE ~ SK. NO. 2039	ELBOWS PART FED	



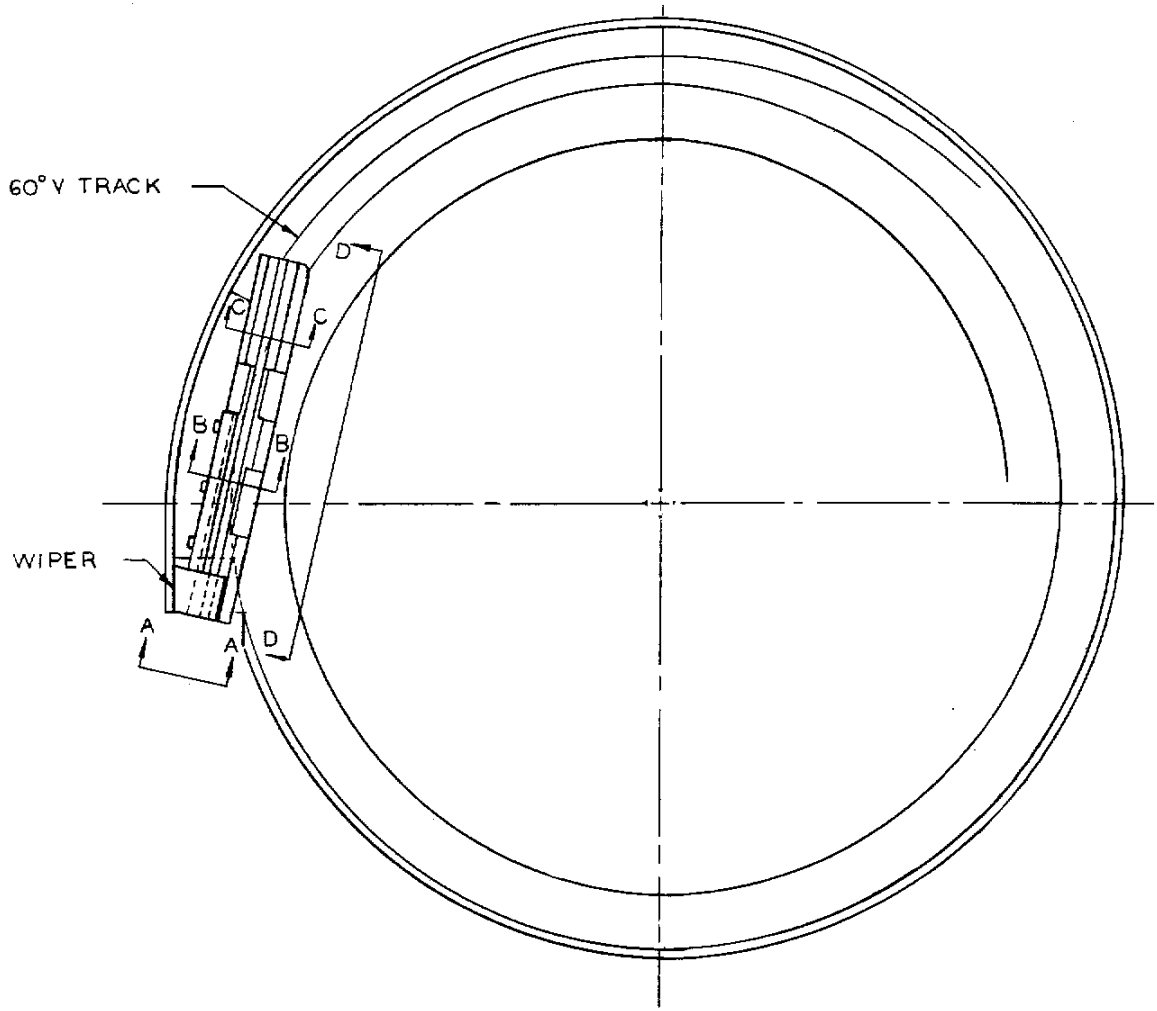
VIEW A~A



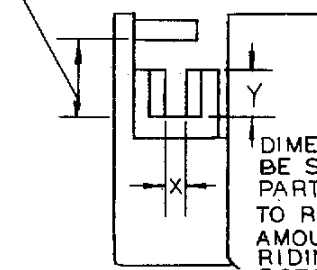
SECTION B~B

NOTE: BLOCK "A" TO CHANGE  
 DIRECTION OF FLOW ↗  
 DIVERT PARTS ONTO  
 RAIL

<b>VIBRATORY FEEDER CO.</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>37</b>	
DWN DATE 1-31-57 CHKD W DATE 5-2-58	J.P.R. 1-31-57 W 5-2-58	SCALE SK NO 2040	LOCK WASHERS MUST BE NON- INTERLOCKING TYPE PART FED

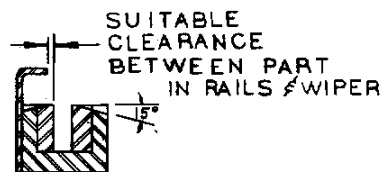


1.2 TIMES DIA OF PART



VIEW A~A

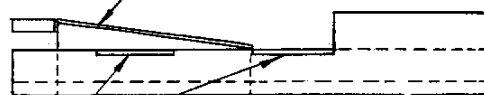
DIMENSION X & Y MUST BE SUCH THAT THE PART WILL BE FREE TO ROTATE A SLIGHT AMOUNT DUE TO ITS RIDING ON THE BOTTOM. THIS WILL PREVENT JAMMING



SECTION B~B



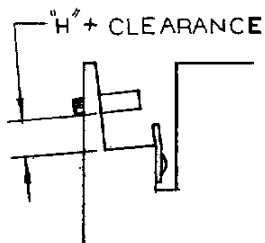
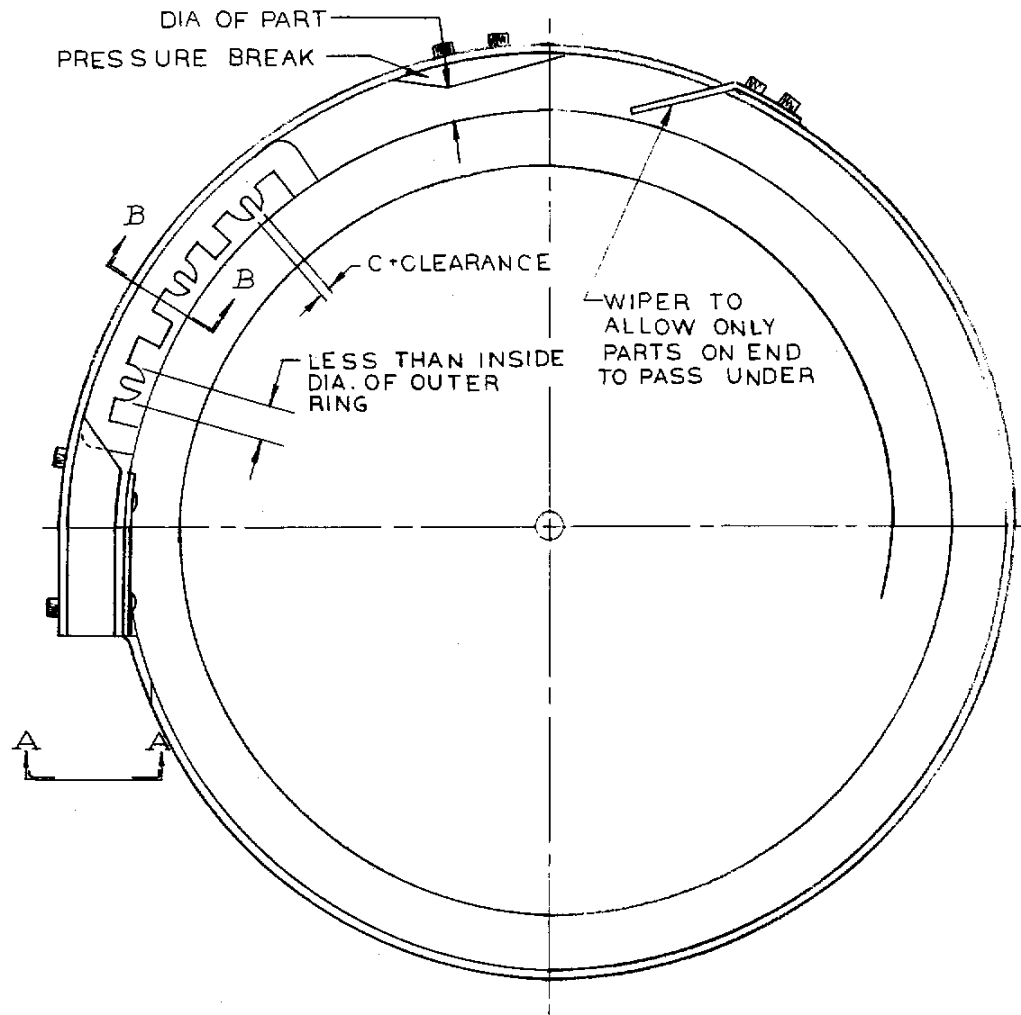
SECTION C~C  
 SLOPING WIPER TO RISE UP ONE SIDE OF PART THAT IS LYING FLAT SO IT WILL DROP OFF



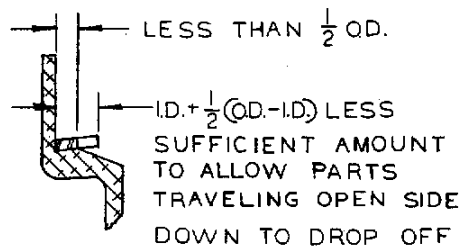
VIEW D~D

2 15° NEG SPILLOFFS

<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX A D FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>38</b>	
DWN J.P.R. DATE 9-17-57 CHKD W DATE 5-2-58	SCALE ~~~~~ SK NO 2041	PARTS HAVING A GROOVE ON ONE FACE	



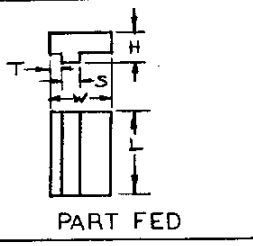
VIEW A~A

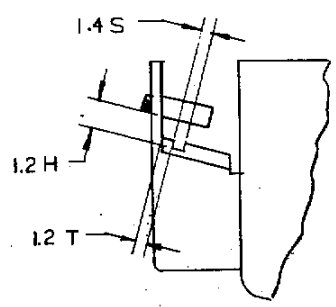
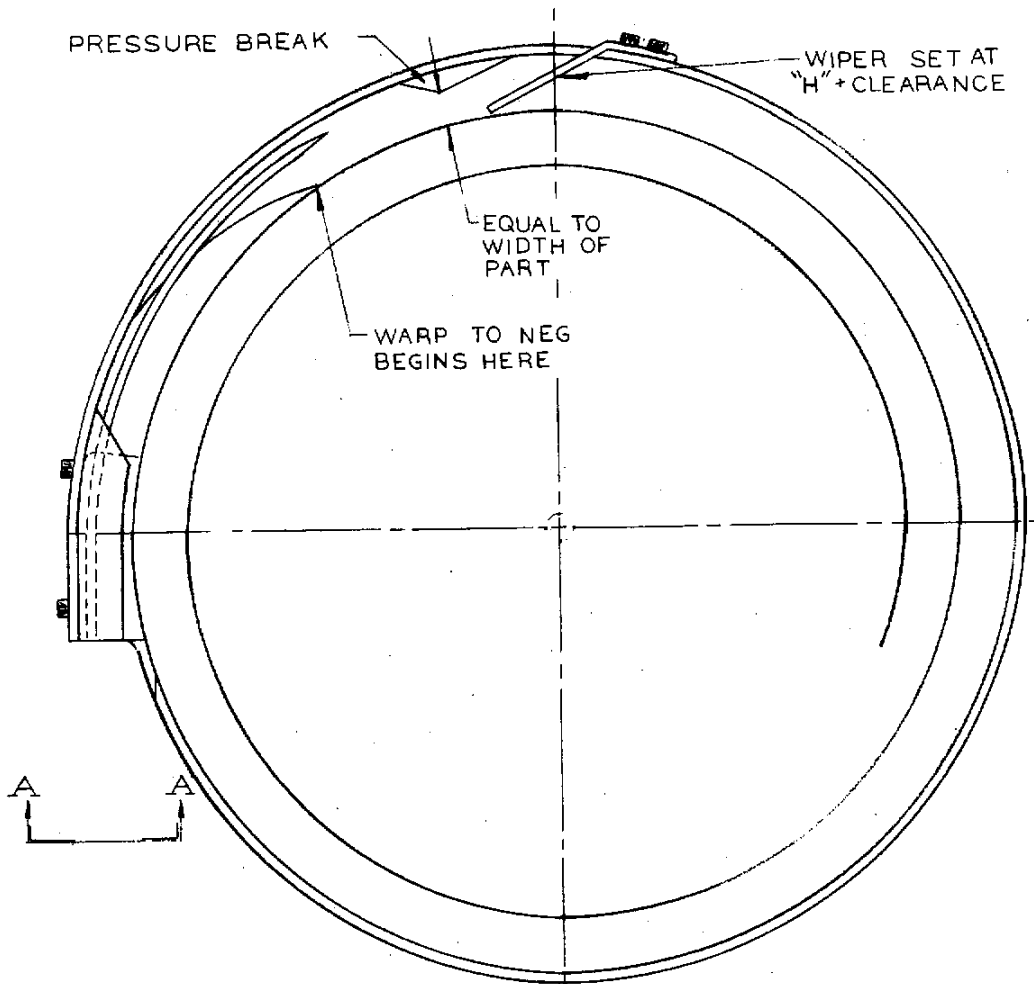


SECTION B~B

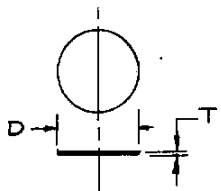
©1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.

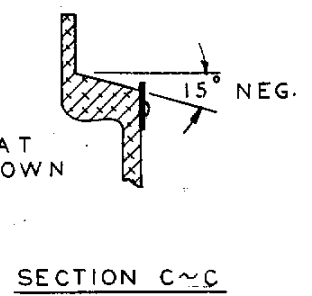
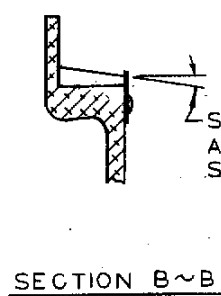
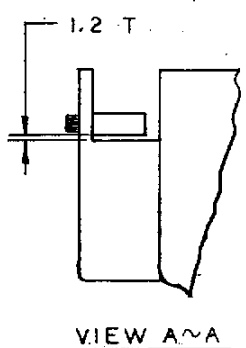
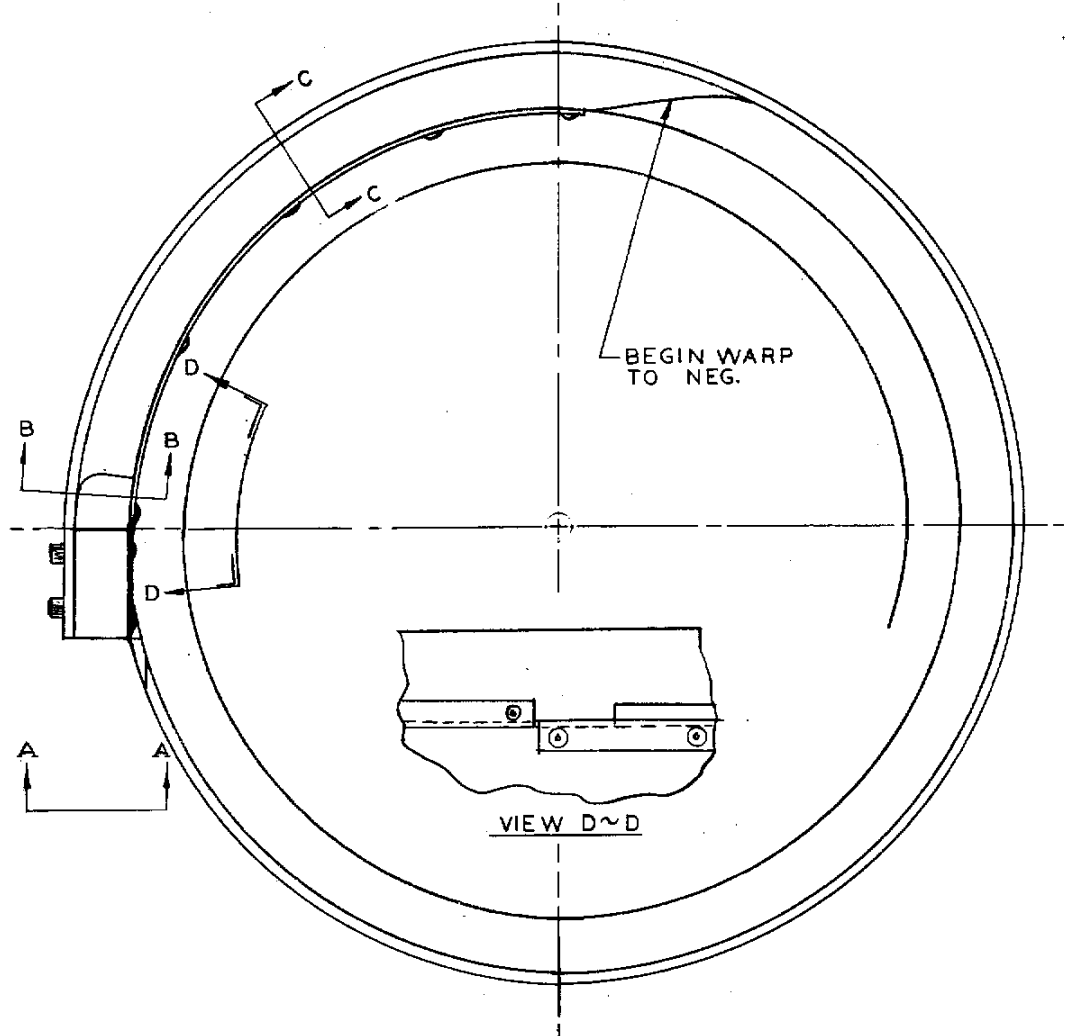


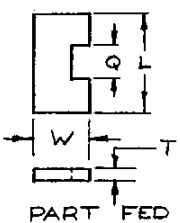
<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>39</b>	
DWN J.P.R. DATE 9-17-57 CHKD W DATE 5-2-58	SCALE $\sim$ SK NO 2042	PART HAVING AN OFF-SET KEY ON ONE SIDE	

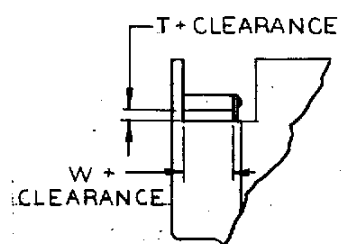
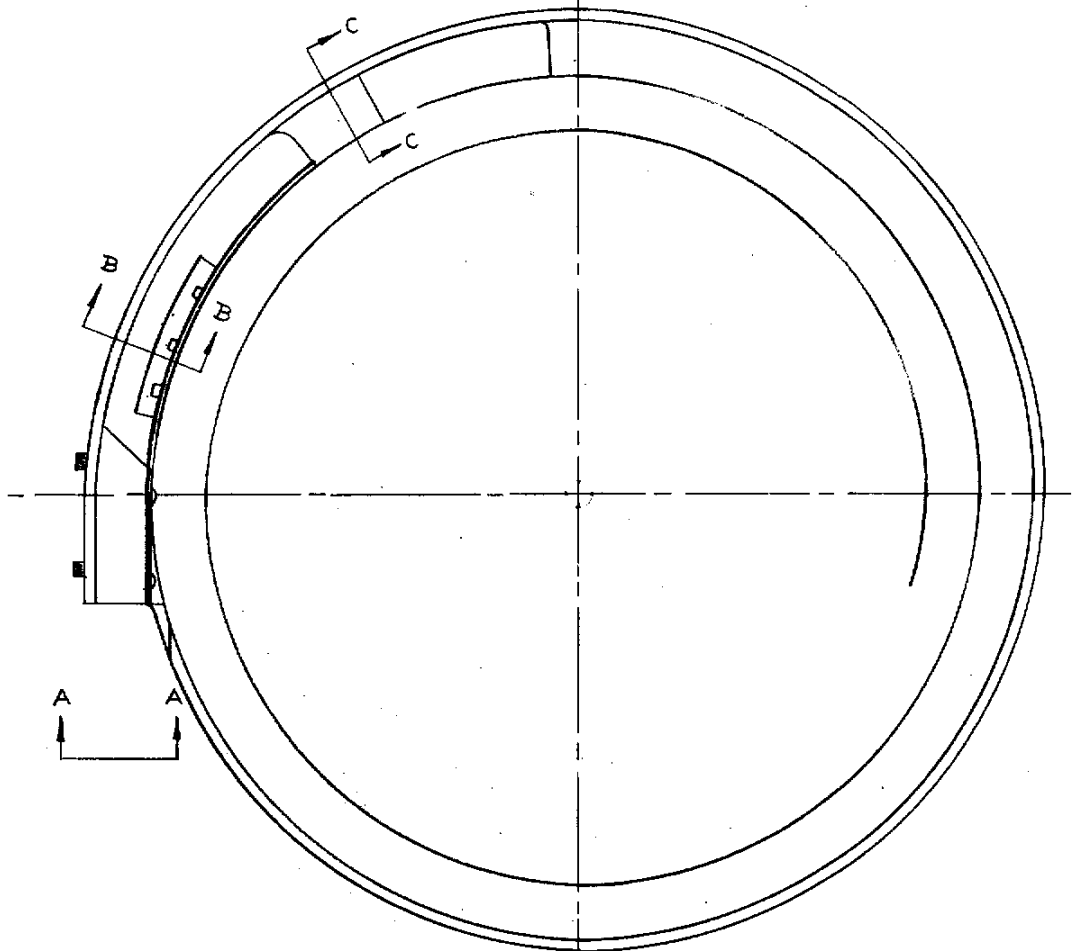


VIEW A-A

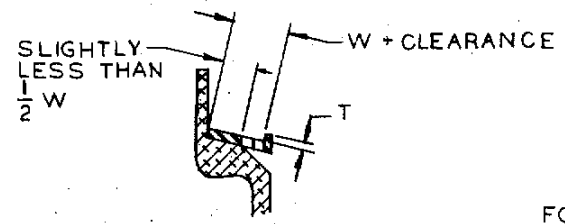
<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>40</b>	 PART FED
DWN J.P.R. DATE 9-17-57 CHKD DATE 5-2-58	SCALE ~ SK NO 2043	VERY THIN DISCS FLAT WASHERS	



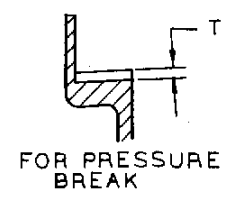
<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO <b>41</b>	
DWN JPR DATE 9-17-57 CHK'D W DATE 5-2-58	SCALE $\sim$ SK NO 2044	"U" SHAPED PART. LENGTH GREATER THAN WIDTH	PART FED



VIEW A~A



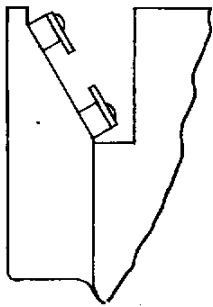
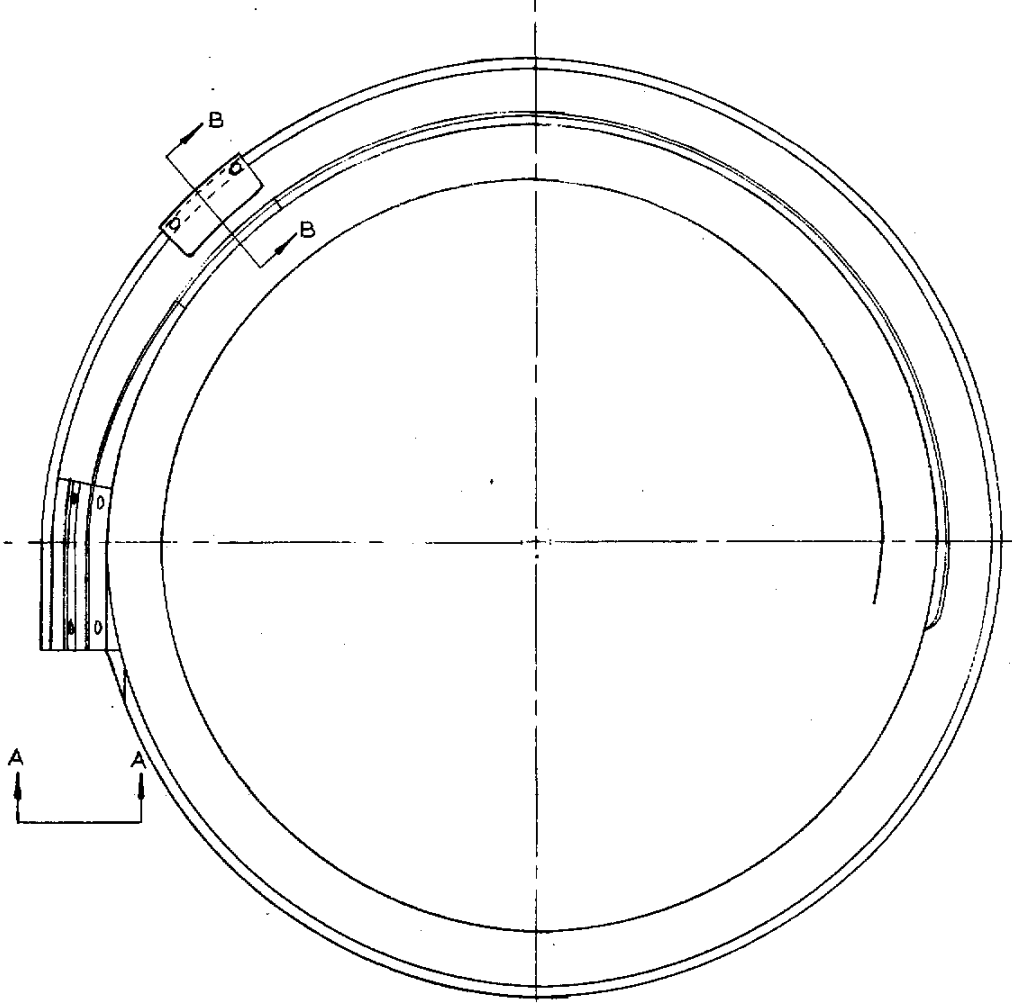
SECTION B~B



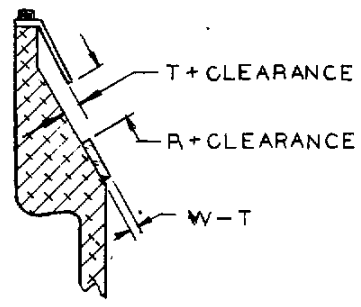
SECTION C~C

©1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.



VIBRATORY FEEDER COMPANY AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>42</b>	
DWN DATE 9-18-57 CHK'D DATE 5-2-58	JPR 9-18-57 W	SCALE ~ SK. NO. 2045	SQUARE PART WITH PROJECTION ON ONE FACE PART FED

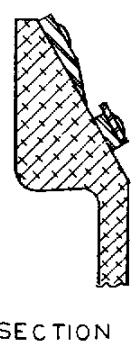
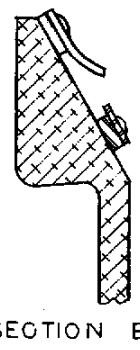
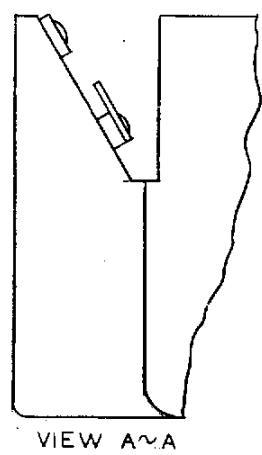
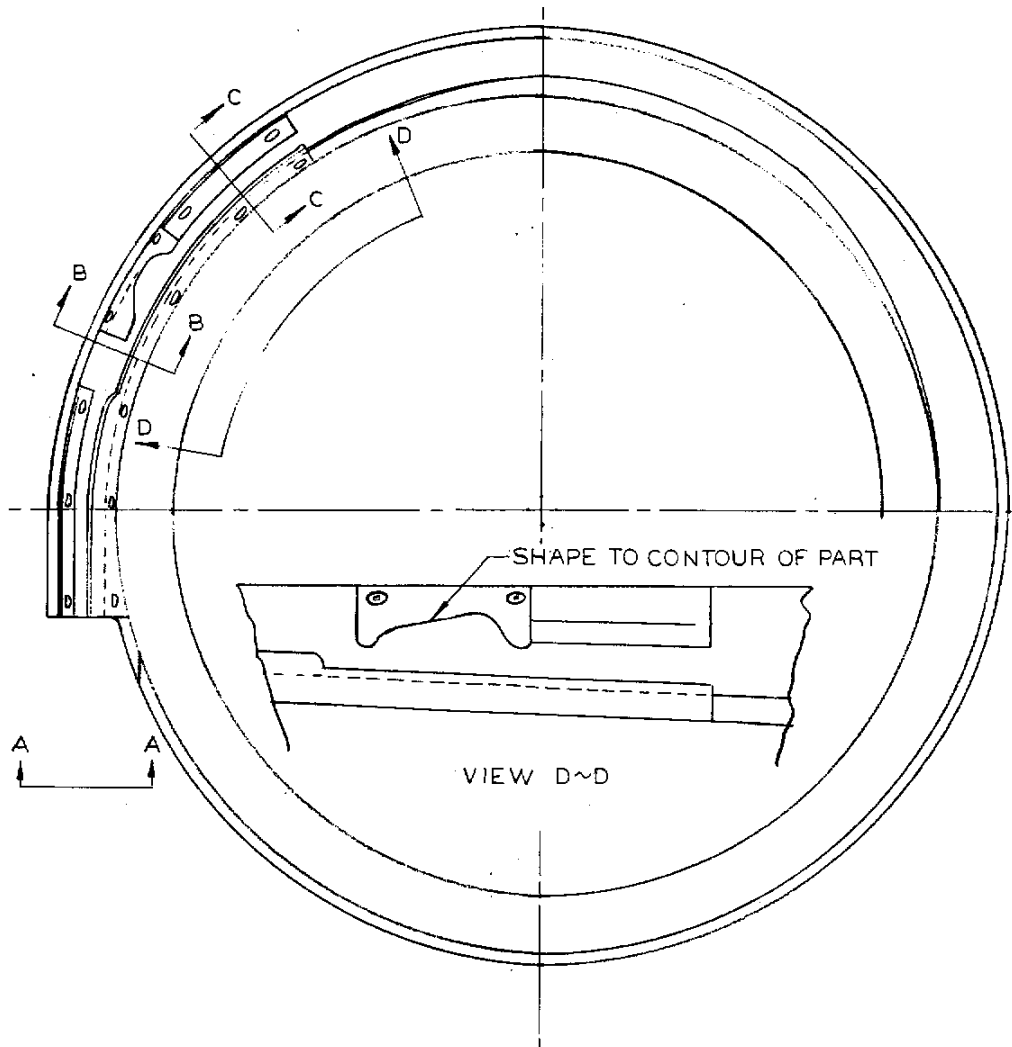


VIEW A~A

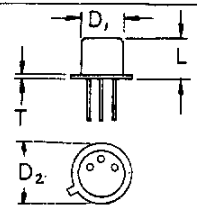


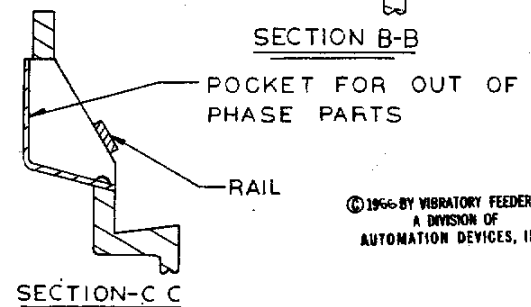
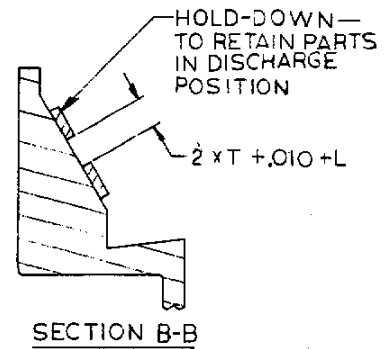
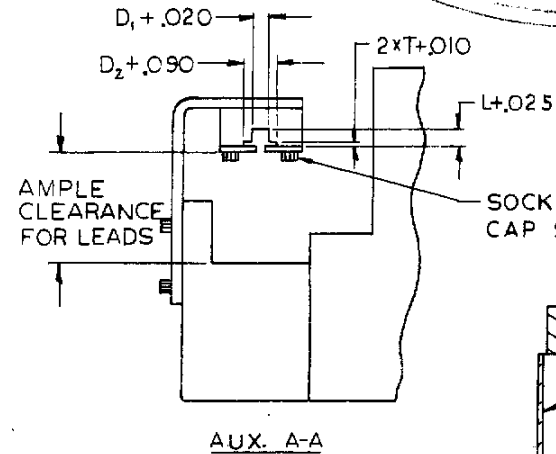
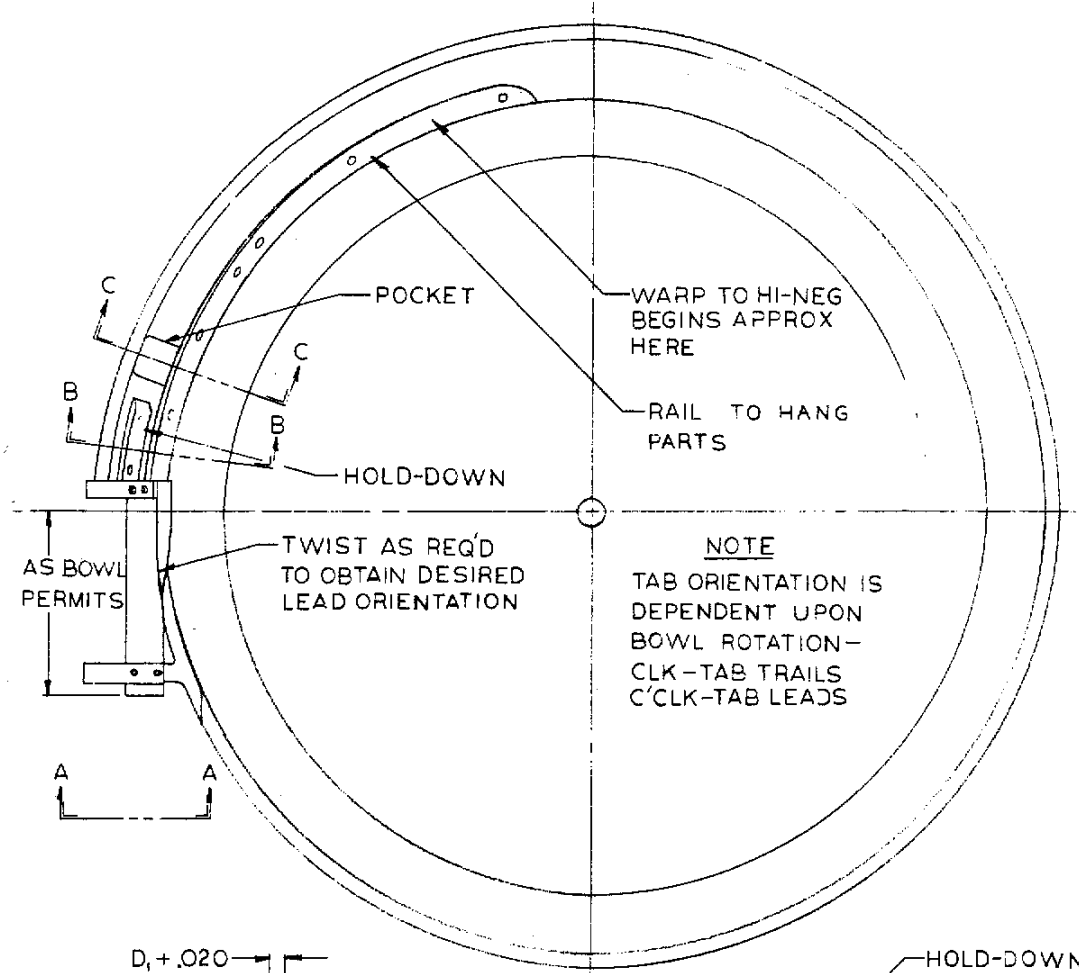
SECTION B~B

<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>43</b>	
DWN JPR DATE 9-18-57 CHK'D WT DATE 5-2-58	SCALE  SK. NO. 2046	IRREGULAR SHAPED PART	PART FED





©1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.

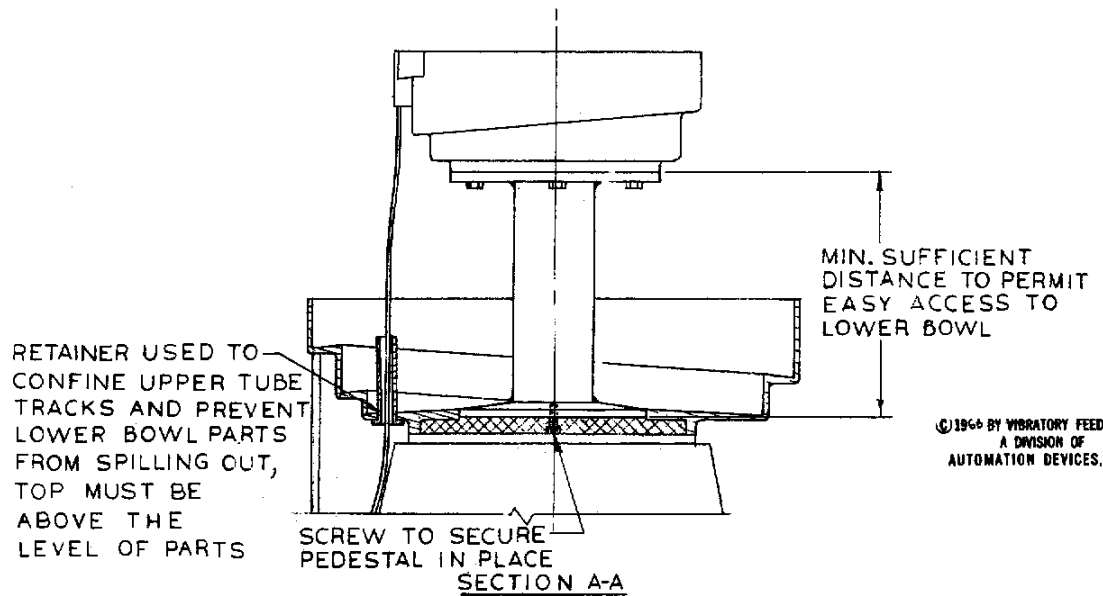
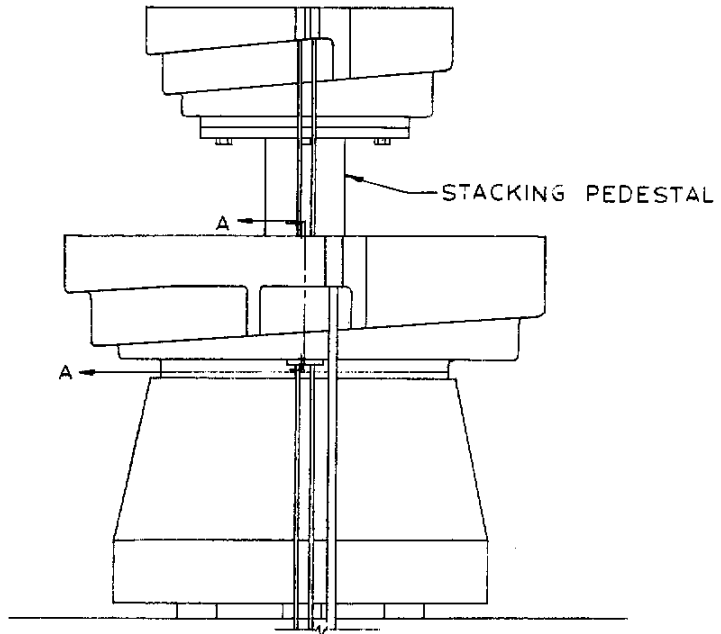
<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>44</b>	
DWN <i>Rjm</i> DATE 12-7-65 CHK'D <i>[Signature]</i> DATE 5-1-66	SCALE - $\sim$ SK. NO. 2047	TRANSISTORS IN HI-NEG BOWL	PART FED



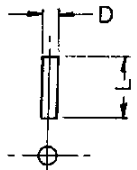
© 1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.

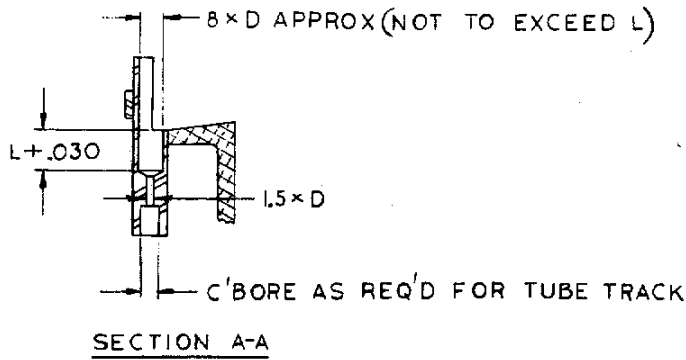
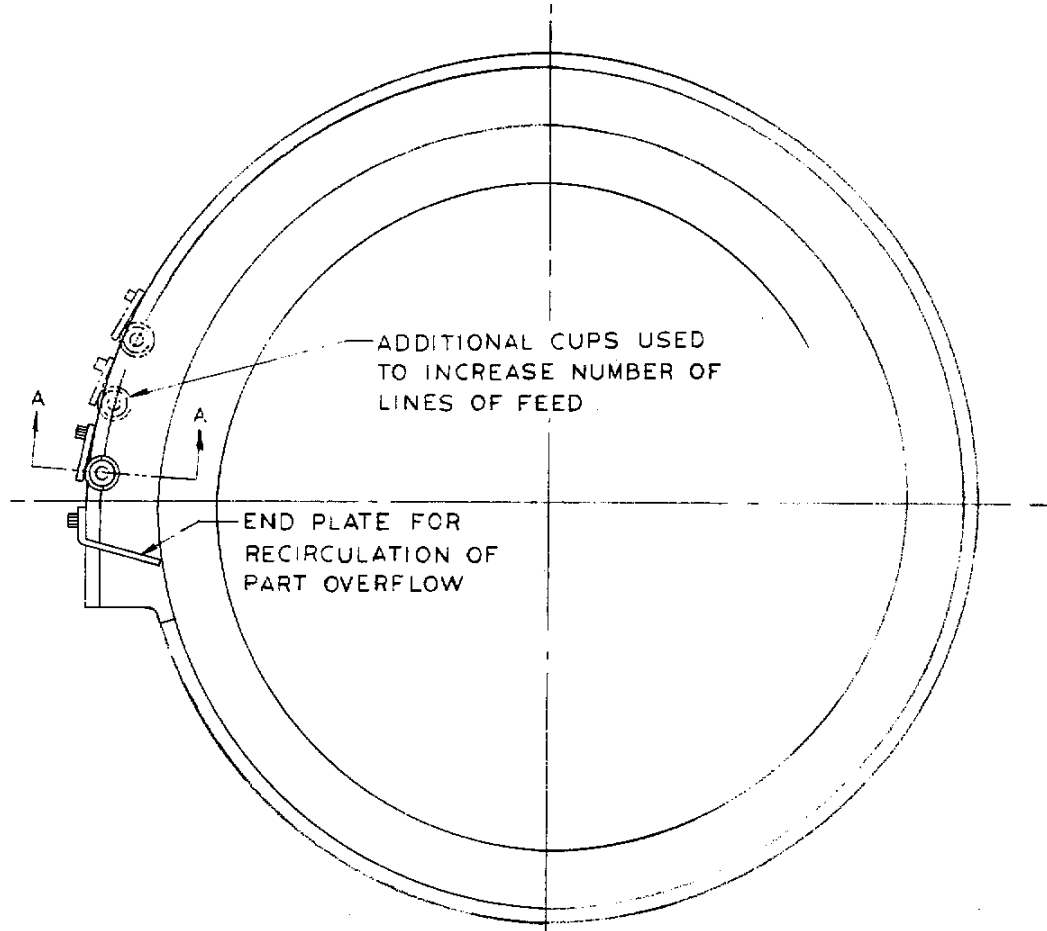
VIBRATORY FEEDER COMPANY AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>45</b>	  PART FED
DWN <i>Rgm</i> DATE <i>5-18-66</i> CHKD <i>or</i> DATE <i>5-1-66</i>	SCALE — ~ SK.NO. 2053	STACKED BOWLS	

**NOTE**  
 BOWLS ARE SHOWN USED IN  
 CONJUNCTION WITH PIN FEEDERS  
 (CASE 46)—THIS APPLICATION ALSO  
 IDEAL FOR OTHER CASES

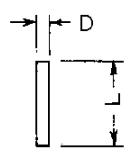


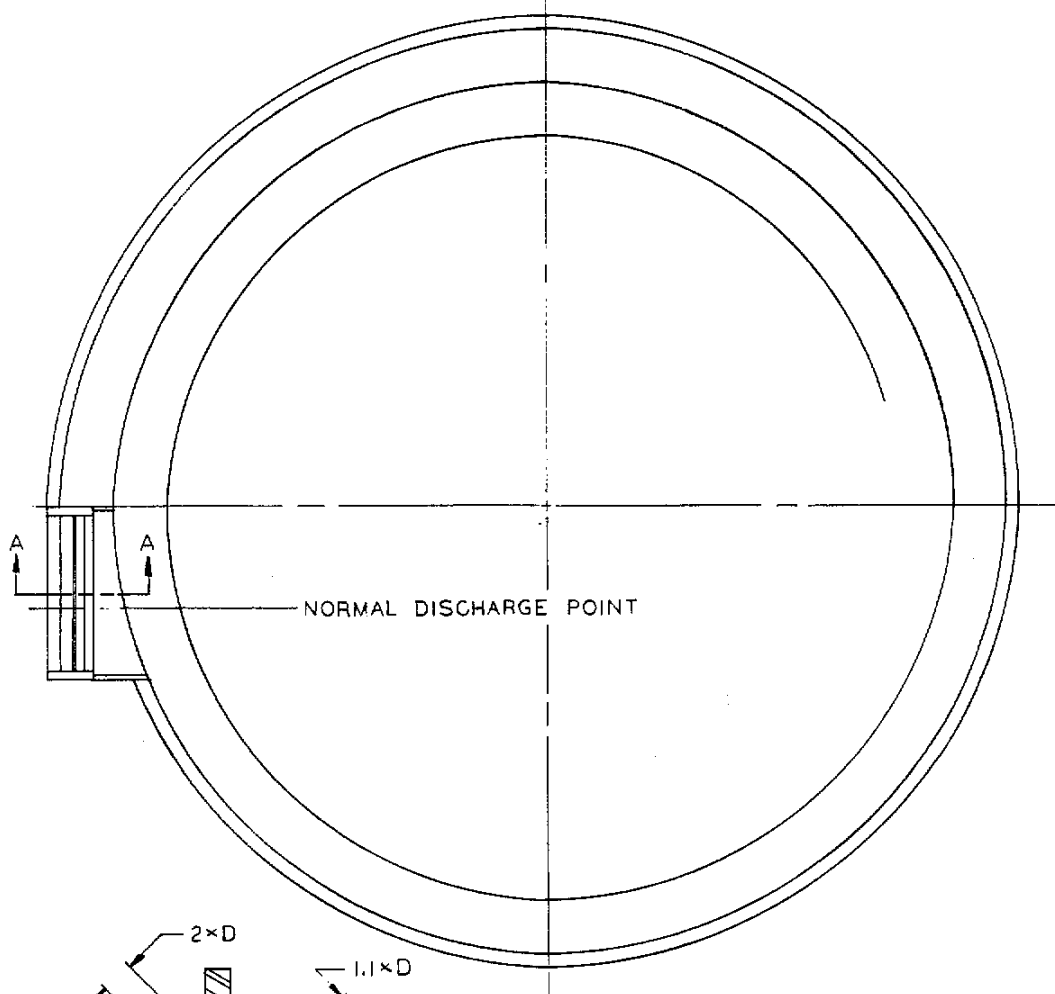
©1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.

VIBRATORY FEEDER COMPANY AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>46</b>	
DWN <i>Rgm</i> DATE 7-8-66 CHK'D <i>[Signature]</i> DATE 9-8-66	SCALE - ~ SK. NO. 2049	PIN-LENGTH GREATER THAN DIAMETER	PART FED

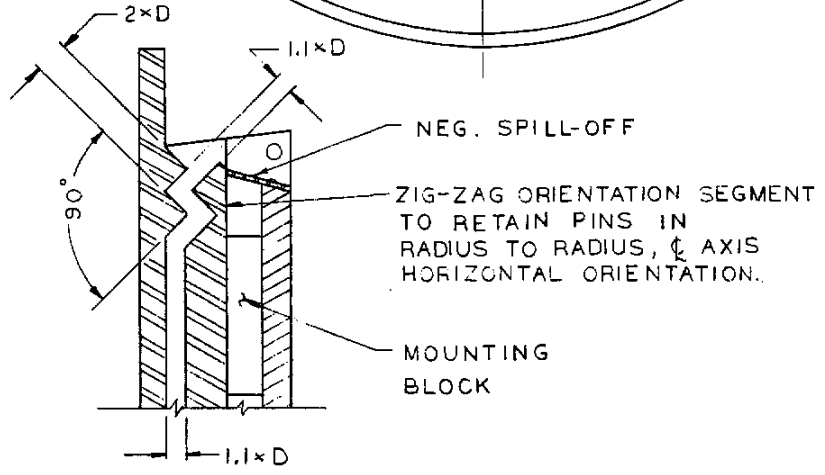




<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>47</b>	
DWN <i>RMS</i> DATE 4-27-66 CHK'D <i>[initials]</i> DATE 8-1-66	SCALE ~ SK. NO. 2050	PIN-MINIMUM LENGTH IS $3 \times$ DIAMETER	



NORMAL DISCHARGE POINT



NEG. SPILL-OFF  
 ZIG-ZAG ORIENTATION SEGMENT  
 TO RETAIN PINS IN  
 RADIUS TO RADIUS,  $\phi$  AXIS  
 HORIZONTAL ORIENTATION.  
 MOUNTING  
 BLOCK

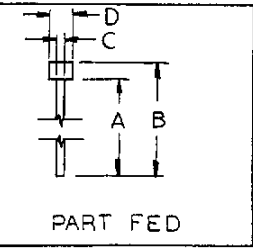
SECTION A-A  
 (ENLARGED VIEW)

VIBRATORY FEEDER COMPANY

AUTOMATION PARK, BOX AD  
 FAIRVIEW, PA. 16415  
 PHONE 314/474-5561

CASE NO.

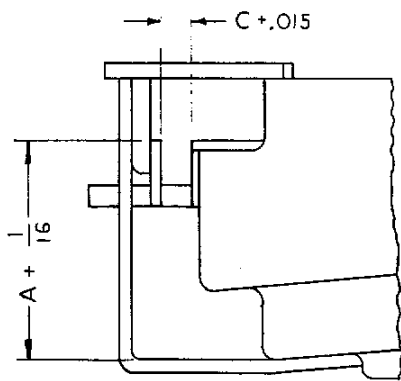
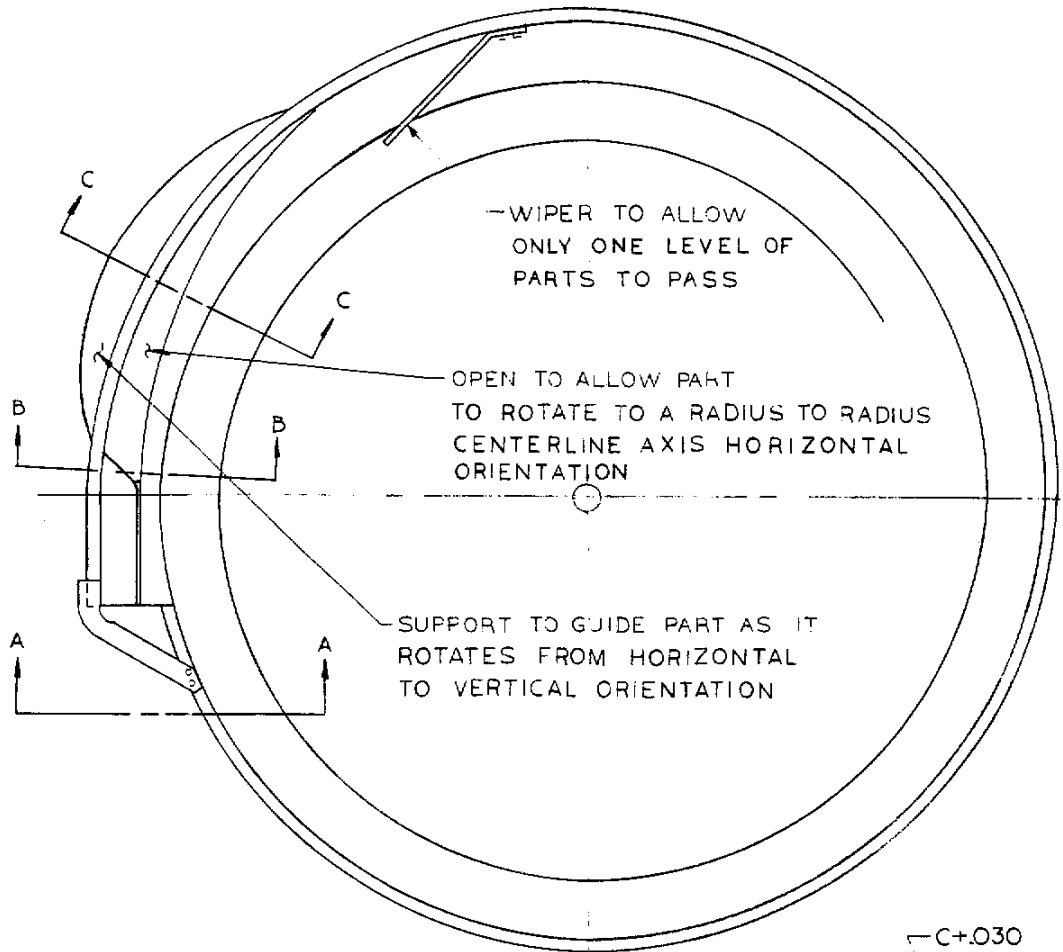
**48**



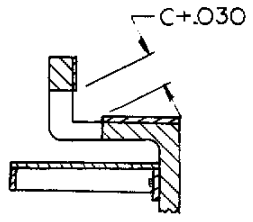
DWN. *D.W.F.*  
 DATE 5-2-66  
 CHK'D *[Signature]*  
 DATE 8-1-66

SCALE ~  
 SK.NO.2051

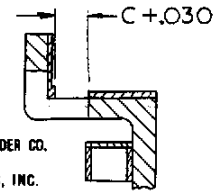
HEADED PINS  
 WITH EXTRA  
 LONG BODIES



SECTION A-A

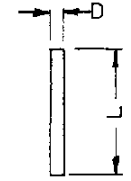


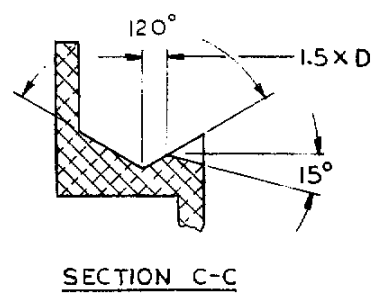
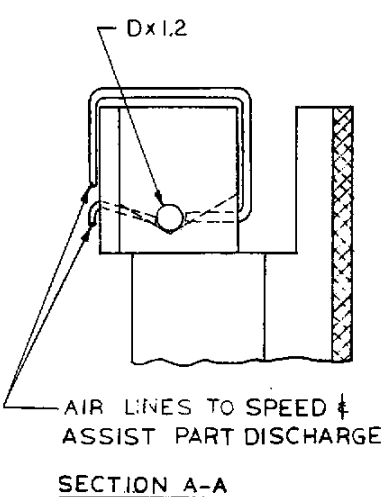
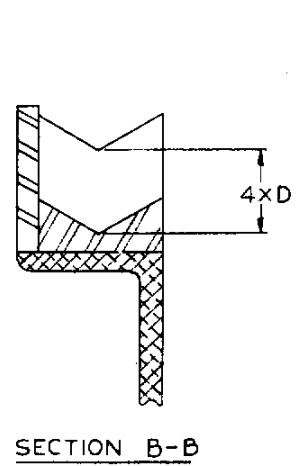
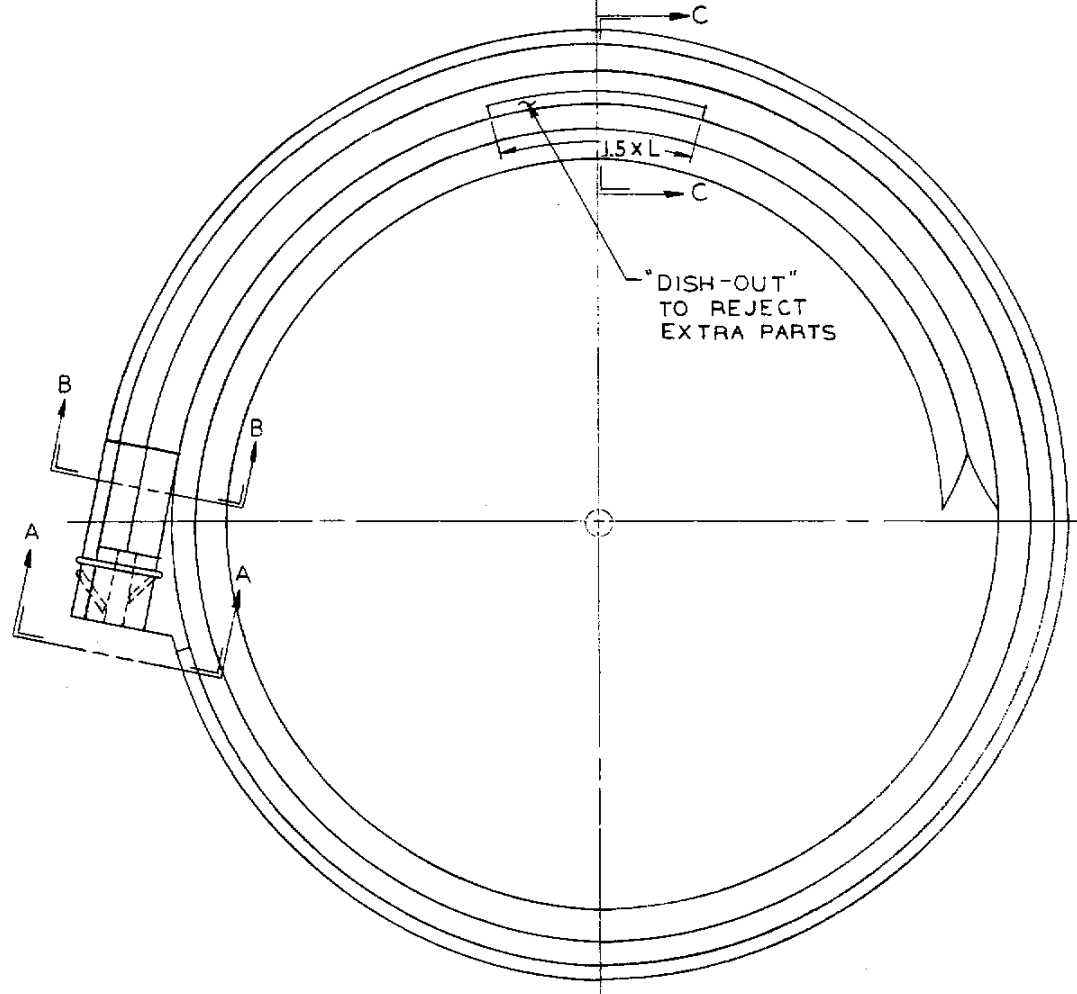
SECTION C-C



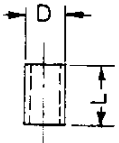

SECTION B-B

©1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.

<b>VIBRATORY FEEDER COMPANY</b> AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>49</b>	
DWN <i>R.M.S.</i> DATE 5-3-66 CHK'D <input checked="" type="checkbox"/> DATE 8-1-66	SCALE ~ SK. NO. 2052	PIN WITH LENGTH GREATER THAN DIAMETER	PART FED



© 1966 BY VIBRATORY FEEDER CO.  
 A DIVISION OF  
 AUTOMATION DEVICES, INC.

VIBRATORY FEEDER COMPANY AUTOMATION PARK, BOX AD FAIRVIEW, PA. 16415 PHONE 814/474-5561		CASE NO. <b>50</b>	
DWN. V.M.I. DATE 8-2-66 CHK'D.  DATE 8-3-66	SCALE ~ SK. NO. 2053	CYLINDRICAL PART WITH LENGTH GREATER THAN DIAMETER	PART FED

