

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington

PETERS

Distribution: C. B. Workma
C. E. Ritchie
J. W. Brooks
J. P. Linde

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

RESEARCH TEST and MEASUREMENT REPORT - Report No. 830423

M/700 MODIFIED TRIGGER CONNECTOR EVALUATION

Prepared by: C. E. Ritchie

Date Prepared: 2-12-83

Proofread and Cleared By:

J.H. Hennings / R.E. Nightingale,
Foreman-Test Lab / Foreman-Measurement Lab

Signature

Date

C.E. Ritchie,
Sr. Supervisor - Testing,
Meas. & Mech. Analysis Lab

Signature

Date

PLAINTIFF'S
EXHIBIT

3354

11836
AL 0030245

February 12, 1983

TO: C. B. WORKMAN
FROM: C. E. RITCHIE
REPORT TITLE: M/700 MODIFIED TRIGGER CONNECTOR EVALUATION

ABSTRACT

Recently, Production received M/700 Trigger Connectors from the vendor which were slightly (0.001" to 0.003") out of specification. Process Engineering, through J. W. Brooks, Supervisor Current Products Design, requested the Test Lab to determine whether this dimensional difference would adversely affect the safe operation of the Trigger Assembly and ultimately the M/700 rifle itself.

SCOPE OF TEST

To evaluate the out of specification M/700 Trigger Connector by testing 4 specially prepared M/700 rifles, 2 rifles with a minimum stack-up of dimensional tolerances and 2 with a maximum stack-up of dimensional tolerances.

(Refer to sketches in Appendix "A" Page 3 and 4.)

TEST RESULTS

All four (4) test rifles went through the dry cycle, live fire and drop test with no trigger related malfunctions.

(Refer to Appendix "A" Page 1 and 2 for individual results.)

2836

REPORT TEXT

1. All four (4) test rifles reached 25,000 dry cycles with no trigger related malfunctions.
2. All four (4) test rifles were Jack Fired 100 live rounds using Remington 180 grain P.S.P. Cal. .308 ammo. with no trigger related malfunctions.
3. All four (4) rifles were pendulum drop tested, against both a neoprene and a hardwood backstop, at the three foot level in the following modes:

Muzzle First	-	with Safe "On" and with Safe "Off"
Butt First	-	" " " " " " " "
Left Side	-	" " " " " " " "
Right Side	-	" " " " " " " "

There were no trigger related malfunctions (firing pin did not fall) in any of the test rifles during the drop test.

4. At finish of test the following measurements were taken: Trigger Pull, Safe "On-Off" and Sear Lift. Present Remington Specs. are:

Trigger Pull	-	3.0 to 5.0 lbs.
Safe "On - Off"	-	None Established
Sear Lift	-	.005" to .018"

NOTE: It was noted that the two min. condition test rifles had a higher reading on Trigger Pull, Safe "On - Off" and Sear Lift tests than the two max. condition rifles.

Refer to Appendix "A" for individual results.

SECRET

TEST PROCEDUREA. Measurements

Sear Lift was measured at the conclusion of dry cycle, live fire and drop tests.

B. Test Concitions

1. All four (4) test rifles were dry cycle tested on the 4 cock and fire dry cycle machines in the R & D Test Lab Dry Cycle Room.

All rifles were lubricated liberally with DuPont Teflon Wet Lubricant, in and around the Bolt Cocking Cam surface, Sear Safety Cam (top), and the Trigger Housing inspection hole every 5,000 cycles starting at 0 cycles.

2. After dry cycle testing, all 4 rifles were live round fired 100 rounds each with Remington 180 grain P.S.P. ammunition. All rifles were shot 20 rounds each, then allowed to cool/able to touch with the hand until all 100 rounds had been shot.
3. A drop test was then conducted on all four rifles at the 3 foot test height, on both hardwood and neoprene backstops from the muzzle, butt and both sides.
4. Sear Lift was then measured using the optical comparator in the R & D Model Shop.

C. Ammunition

Remington 180 grain P.S.P. Code R308W3.

D. Rifles used in the test:

Remington M/700, 1983 Restyle, Cal. .308

Rifle No. 8	Serial No. B6440493	(Min. Condition)
Rifle No. 5	Serial No. B6438179	" "
Rifle No. 7	Serial No. B6438908	(Max Condition)
Rifle No.	Serial No. B6438658	" "

ALEXANDER K. SICH

"APPENDIX A"

Report No. 830423

M-700 Modified Trigger Connector

J Baggetta

2-12-83

Data Sheet No 1

Gun No.	1	2	3	4	5	6
	Min.	Min	MAX	MAX	Test Results	
Dry Cycles	25000	25000	25000	25000	OK	
Rounds Fired	100	100	100	100	OK	
Rem 180gr PSP						
Drop Test						
Neoprene Pad						
Muzzle First						
Safe ON	OK	OK	OK	OK		
Safe OFF	OK	OK	OK	OK		
BUTT First						
Safe ON	OK	OK	OK	OK		
Safe OFF	OK	OK	OK	OK		
Right Side						
Safe ON	OK	OK	OK	OK		
Safe OFF	OK	OK	OK	OK		
Left Side						
Safe ON	OK	OK	OK	OK		
Safe OFF	OK	OK	OK	OK		
Drop Test						
Hardwood Pad						
Muzzle First						
Safe ON	OK	OK	OK	OK		
Safe OFF	OK	OK	OK	OK		
BUTT First						
Safe ON	OK	OK	OK	OK		
Safe OFF	OK	OK	OK	OK		
Right Side						
Safe ON	OK	OK	OK	OK		
Safe OFF	OK	OK	OK	OK		
Left Side						
Safe ON	OK	OK	OK	OK		
Safe OFF	OK	OK	OK	OK		

SEAR Lift .0205" .0265" .0070" .0060"

Remington

Spec. SEAR Lift .005" to .018"

AL 0030251

6/8/36



Report #830423

M1700 MODIFIED TRIGGER CONNECTOR

2-12-83

R. HOWE

DATA SHEET No. 2

GUN No.	86440493	86438179	86438708	86438658	REMINGTON SPEC.
MIN	5.9 LBS.	6.5 LBS.	4.9 LBS.	5.2 LBS.	3.0 TO 5.0 LBS.
MAX					
CONDITION					
TRIGGER PULL					
POUND FORCES					
(RESULT OF THREE MEASUREMENTS)					
SAFE "ON"					
POUND FORCES	Hit	16.5 LBS.	6.0 LBS.	6.2 LBS.	NONE ESTABLISHED
(RESULT OF THREE MEASUREMENTS)					
SAFE "OFF"					
POUND FORCES	9.3 LBS.	8.8 LBS.	5.0 LBS.	8.0 LBS.	NONE ESTABLISHED
(RESULT OF THREE MEASUREMENTS)					

AL 0030252

7636

CONDITION NO.		1	1	1	2	2	2	1	2	2	1	1	2
TRIGGER HOUSING ASSEMBLY NO.		1	2	3	4	5	6	7	8	9	10	11	12
	Dim.												
HOUSING	A	1.2395	1.2385	1.2395	1.241	1.2405	1.240	1.2385	1.2385	1.2405	1.240	1.238	1.2395
	B	.8395	.839	.8395	.841	.8415	.841	.840	.8405	.8405	.8385	.839	.842
GEAR	C	.1975- .198	.1975- .198	.1975- .198	.186	.1865	.1865	.1975	.1855	.1855	.1975	.1975- .198	.1865
	D	.8705- .871	.870- .8695	.8705- .871	.8655	.8655	.8645	.870- .8695	.863	.865	.871	.869- .8695	.8645
CONNECTOR	E	.215	.215	.215	.225	.225	.225	.215	.225	.225	.215	.215	.225
	F	.074	.072- .0715	.071- .0705	.071	.071	.071	.074	.071	.071	.074	.072- .0715	.071
TRIGGER	G	.972	.975	.975	.967	.967	.967	.9725	.967	.967	.9725	.975	.967
	H	.190	.190	.190	.186	.186	.186	.190	.186	.186	.190	.190	.186

B6438179

B6438908 B6440493

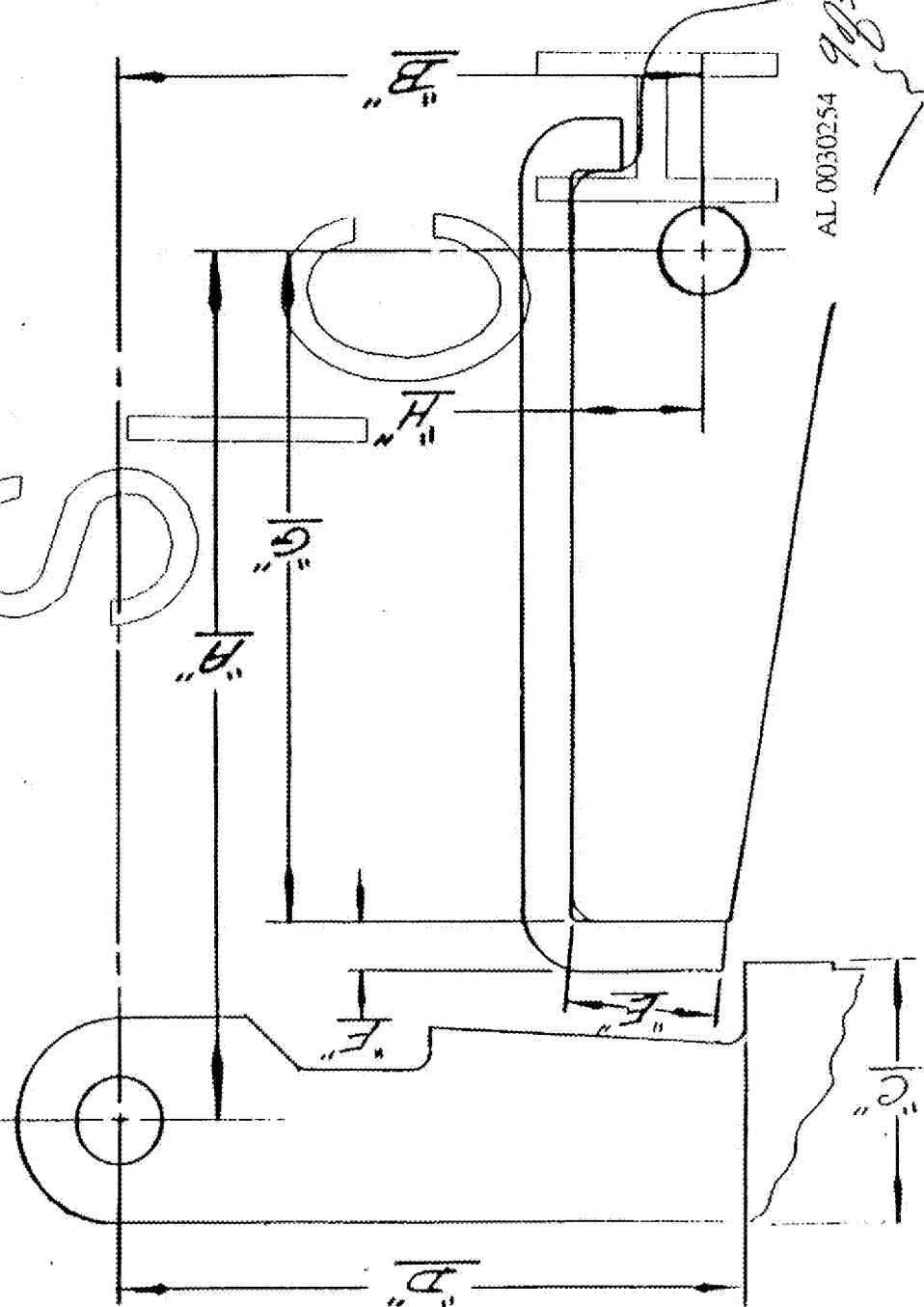
B6438658

JWB: ja
2/18/83

AL 0030253

86/36

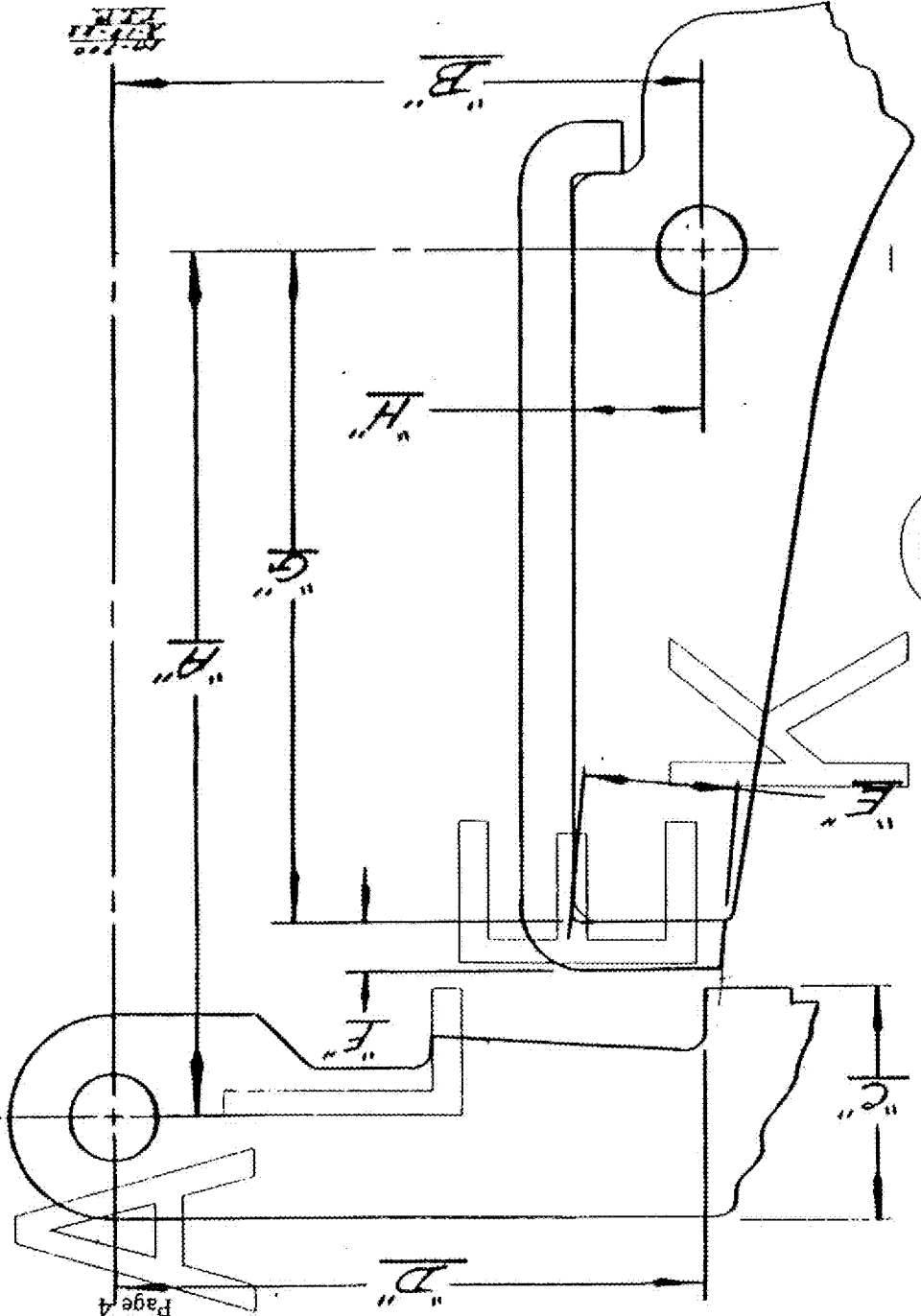
CONDITION No. 1



AL 0030254

9806

CONDITION No. 2



AL 0030254

Report No. 830423

RESEARCH TEST & MEASUREMENT LAB WORK REQUEST

☐ Developmental ☐ Design Assistance ☐ Pre-Pilot ☐ Pilot ☐ Production Assistance	AREA OF TESTING	
	☐ Safety Related	☐ Litigation
	☐ Competitive Evaluation	☐ Warehouse Audit
	☐ New Design	☐ Cost Reduction
	☐ Design Change	☐ Scale: _____
	☒ Plant Assistance	☐ Other _____

FIREARM STAT'S.	REPORT REQ'D.	DATE REQUESTED: <u>2-11-83</u>
MODEL: <u>700</u>	FORMAL ☒	DATE NEEDED BY: <u>2-14-83</u>
CAL or GAGE: <u>AW4</u>	TEST RESULTS ONLY ☐	REQUESTED BY: <u>J. LINDE</u>
BARREL TYPE: <u>—</u>		WORK ORDER NO: <u>G0460-000X</u>
PROOFED: YES ☐ NO ☐		

TEST TYPE		
☐ Strength Test	☐ Ammunition Test	☒ Dry Cycle Test
☒ Function Test	☐ Environmental Test	☐ Measurements
☐ Accuracy Test	☐ Customer Complaint	☒ Endurance Test
		☐ Photo/Video
		☐ Other _____

EXPLAIN IN DETAIL THE REASON FOR THIS TEST:

- Dry cycle rifles with single Trigger assemblies
⑦, ⑩ and ④, ⑤ to 25,000 cycles
- Shoot 100 rounds in each shooting + check for any Trigger related malfunctions
- Drop Test from 3' on the muzzle, Butt, + sides, check for rifle firing.

UNS REQUIRED: 4

New trigger connector (mm./max) conditions.

(Test Results to go to CB Workman immediately)

NOTE: NO firearms or parts will be tested in the Labs unless they are accompanied by a Work Request, and both are delivered to the Labs by the designer or engineer. All Work Requests are to be filled out in detail. No Exceptions.

DATE COMPLETED: _____

TEST COMPLETED BY: _____

REPORT DATE: 10/7/86

AL 0030255

REMINGTON ARMS COMPANY, INC.

INTERDEPARTMENTAL CORRESPONDENCE

Remington

PETERS

Distribution: C. B. Workman
C. E. Ritchie
J. W. Brooks
J. P. Linde

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

RESEARCH TEST and MEASUREMENT REPORT - Report No.

830423

M/700 MODIFIED TRIGGER CONNECTOR EVALUATION

Supplement No. 1

Prepared by: R. Howe

Date Prepared: February 23, 1983

Proofread and Cleared By:

J.H. Harnings, / R.E. Nightingale,
Foreman-Test Lab / Foreman-Measurement Lab

Signature

Date

C.E. Ritchie,
Sr. Supervisor - Testing,
Meas. & Mech. Analysis Lab

Signature

Date

AL 0030256

11/836

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 830423

REPORT TITLE: M/700 MODIFIED TRIGGER CONNECTOR EVALUATION
Supplement No. 1

MODEL(S): 700

GAUGE OR CALIBER: .308

DATE: 2/23/83

WORK ORDER NO.: G-0460-000X

PART NAME: Trigger Connector

DESIGNER/ENGINEER: J. W. Brooks

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
3. FUNCTION TEST - NO. OF GUNS TESTED 7
4. ACCURACY TEST (NO. OF GUNS TESTED) _____
5. MEASUREMENTS - TYPE: Sear Lift Safe "On-Off", Trigger Pull
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION - TYPE: _____
8. VISUAL EVALUATION - _____ OUT OF _____ GUN SAMPLE
9. ENDURANCE - NO. OF GUNS TESTED: 7

Dry Cycle Rounds - 25,000

NO. OF ROUNDS PER GUN: 100

Total Dry-Cycle Rounds - 175,000

TOTAL ROUNDS FIRED IN TEST: 700

AMMO TYPE: MAGS _____; TARGET: _____

RIM FIRE _____ CENTER FIRE X

February 23, 1983

TO: C. B. WORKMAN

FROM: R. W. HOWE

REPORT TITLE: M/700 MODIFIED TRIGGER CONNECTOR EVALUATION
Supplement No. 1

ABSTRACT

Recently R & D Test Lab received seven (7) more M/700's with trigger connectors from the vendor which were slightly (0.001" to 0.003") undersized. Process Engineering through J. W. Brooks, Supervisor, Current Products Design, requested a follow-up test of these assemblies to supplement the original Report No. 830423 of February 12, 1983, to determine whether this dimensional difference would adversely affect the safe operation of the trigger assembly or the M/700 rifle itself.

SCOPE OF TEST

To evaluate the undersized M/700 trigger connector by testing seven (7) specially prepared M/700 rifles. Three (3) rifles would have a minimum stack-up of dimensional tolerances and four (4) would have a maximum stack-up of dimensional tolerances.

Refer to sketches in Appendix "A".

TEST RESULTS

At no time during the entire test of the seven (7) M/700 rifles, with the specially prepared fire controls, did any trigger related malfunctions occur.

REPORT TEXT

1. Sear Lift measurements were taken and recorded on all seven (7) test rifles before dry-cycling.
2. All seven (7) test rifles were dry-cycled to 25,000 cycles each with no trigger related malfunctions.
3. Sear Lift, Safe "On-Off" pound forces and trigger pull measurements were taken at the conclusion of 25,000 each dry-cycle test.

Present Remington Specs are:

Sear Lift - 0.005" to 0.018"

Safe "On-Off" forces - none established

Trigger Pull - 3.0 lbs. to 5.0 lbs.

4. The seven (7) rifles were then Jack Fired 100 live rounds each using Remington 180 grain P.S.P. ammo. with no trigger related malfunctions.
5. All seven (7) rifles were then pendulum drop tested against both a neoprene and a hardwood back stop at the three foot level in the following modes:

Muzzle first with Safe "On" and with Safe "Off"

Butt first with Safe "On" and with Safe "Off"

Left side with Safe "On" and with Safe "Off"

Right side with Safe "On" and with Safe "Off"

NOTE: It was noted that the three ^{MINIMUM} ~~minute~~ condition test rifles had a higher reading on trigger pull, Safe "On-Off" and Sear Lift measurements than the four maximum condition rifles.

Refer to Appendix "A" Data Sheets for individual results.

TEST PROCEDURE

A. Measurements:

1. Sear Lift was measured at the start and the conclusion of the dry-cycle test.
2. Safe "On - Off" forces and trigger pull measurements were taken at the conclusion of the dry-cycle test.

B. Test Conditions:

1. Sear Lift was measured on all seven (7) rifles at the start of the test using the optical comparator in the R & D Model Shop.
2. All seven (7) test rifles were dry-cycle tested on the four cock and fire dry-cycle machines in the R & D Test Lab Dry-Cycle Room. Each rifle was lubricated liberally with DuPont Teflon Wet Lubricant in and around the bolt cocking cam surface, sear safety cam (top) and trigger housing inspection hole every 5,000 cycles starting at 0 cycles.
3. Sear Lift, Trigger Pull and Safe "On - Off" forces were then taken on the seven (7) rifles; Sear Lift—using the above mentioned optical comparator. Trigger pull was taken using a Chatillon Model In-10 Spring Pull Scale. Safe "On-Off" forces were measured using a Chatillon DPP - 25 lb. Push-Pull Scale.
4. After above measurements were taken, all seven (7) rifles were live fire jack tested 100 rounds each with Remington 180 grain P.S.P. Ammunition in the R & D Lab Shooting Room. All rifles were shot 20 rounds each, then allowed to cool (able to touch with the hand) until all 100 rounds had been shot.
5. A Pendulum Drop Test was then conducted on all seven (7) rifles at the three foot test height on both hardwood and neoprene back stops from the muzzle, butt and both sides.

C. Ammunition:

Remington .308 cal. 180 grain P.S.P. Code R-308W3.

D. Rifles used in test:

Rifle No. 2	Serial No. B6440199	Max. Condition
Rifle No. 3	Serial No. B6440277	
Rifle No. 11	Serial No. B6440458	
Rifle No. 1	Serial No. B6440172	Min. Condition
Rifle No. 9	Serial No. B6438686	
Rifle No. 4	Serial No. B6438163	
Rifle No. 6	Serial No. B6439730	

ALEXANDER K. SICH

"APPENDIX A"

REPORT # 830423

140625

86438163 B 6437730
4/6

MIN MIN

023' 023'

25,000	25,000
OK	OK

023" 023"

633 8191

24.0 14.2 M

7.6 6.0 N

[illegible]

100

ON	OFF	ON	OFF
OK	OK	OK	OK

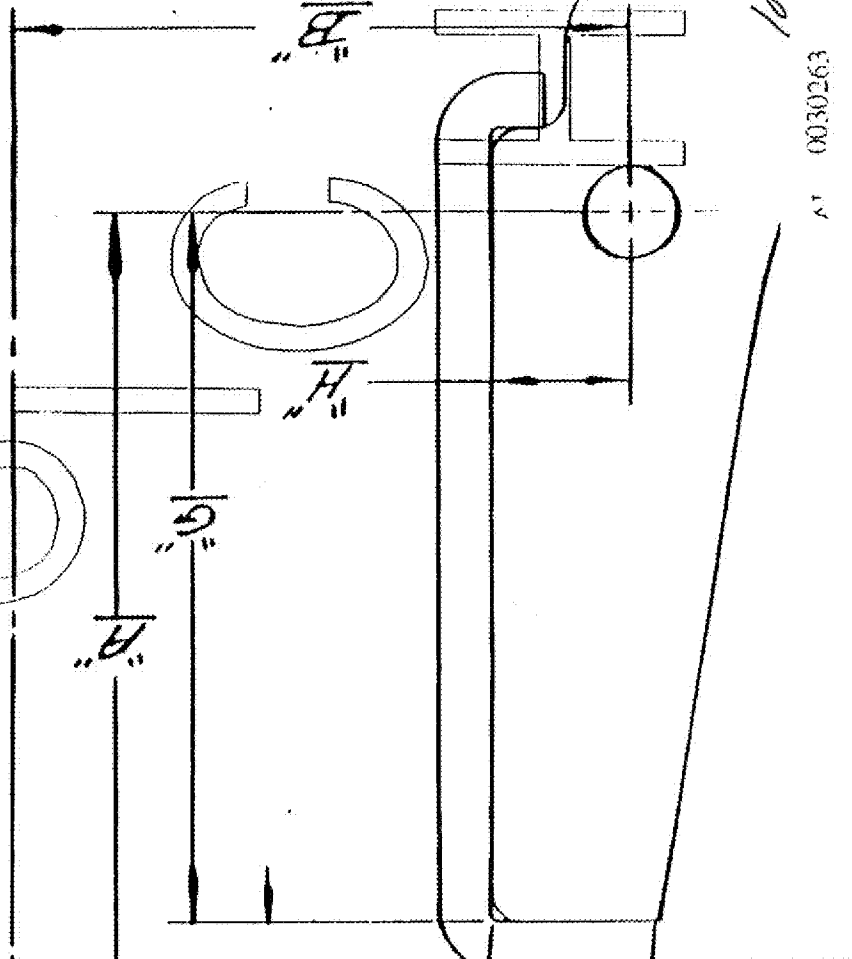
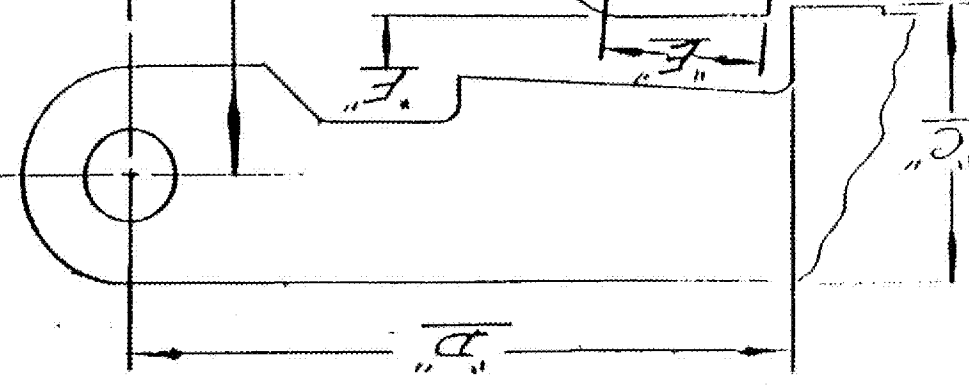
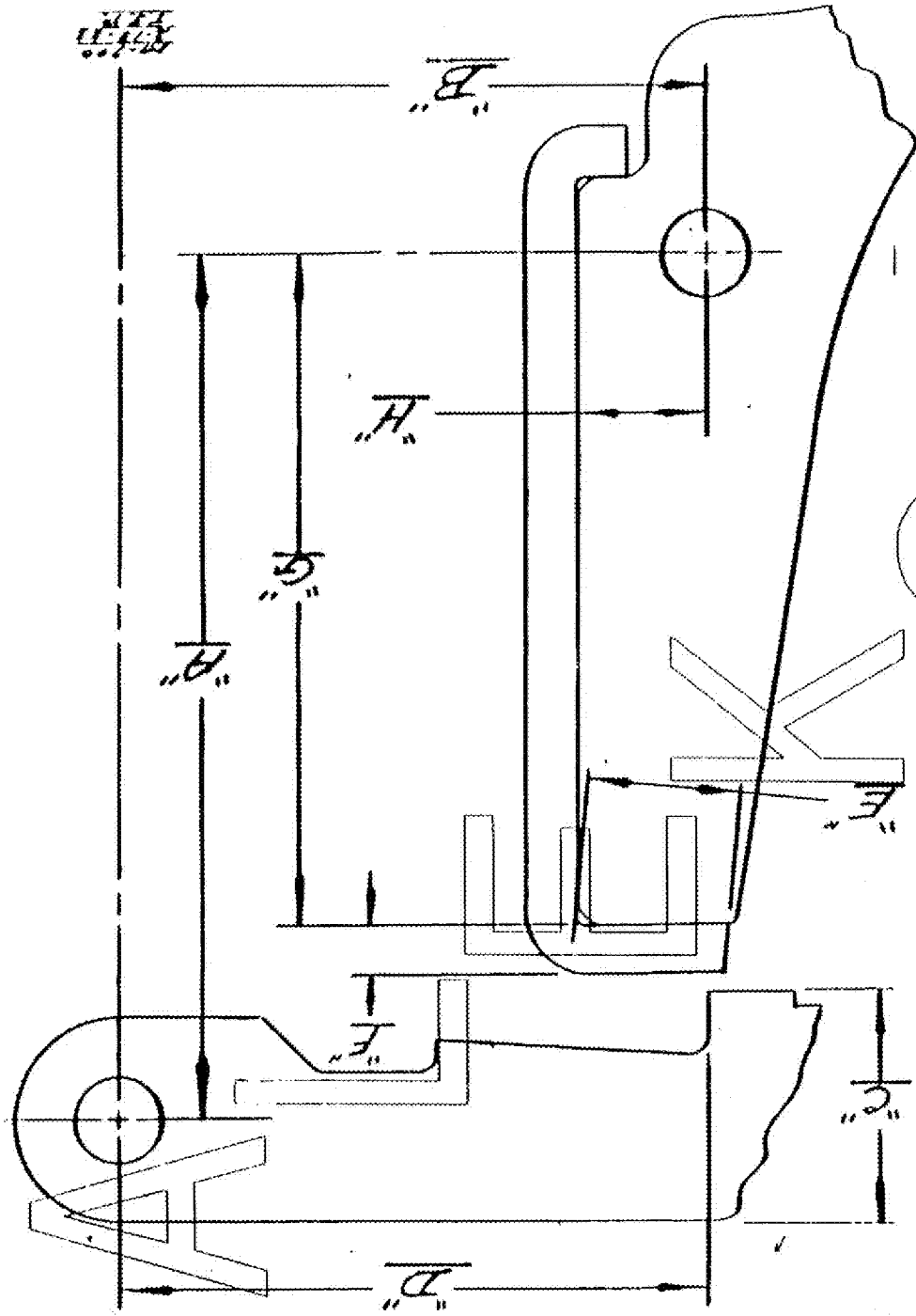
11	11	11	11
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11 11 11 11

11	11	11	11
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OK	OK
OK	OK

11	12	13	14
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2-23-83

CONDITION NO.		1	1	1	2	2	2	1	2	2	1	1	2
TRIGGER HOUSING ASSEMBLY NO.		①	②	③	④	5	⑥	7	8	⑨	10	⑪	12
	Dim.												
HOUSING	A	1.2395	1.2385	1.2395	1.241	1.2405	1.240	1.2385	1.2385	1.2405	1.240	1.238	1.2395
	B	.8395	.839	.8395	.841	.8415	.841	.840	.8405	.8405	.8385	.839	.842
GEAR	C	.1975-.198	.1975-.198	.1975-.198	.186	.1865	.1865	.1975	.1855	.1855	.1975	.1975-.198	.1865
	D	.8705-.871	.870-.8695	.8705-.871	.8655	.8655	.8645	.870-.8695	.863	.865	.871	.869-.8695	.8645
CONNECTOR	E	.215	.215	.215	.225	.225	.225	.215	.225	.225	.215	.215	.225
	F	.074	.072-.0715	.071-.0705	.071	.071	.071	.074	.071	.071	.074	.072-.0715	.071
TRIGGER	G	.972	.975	.975	.967	.967	.967	.9725	.967	.967	.9725	.975	.967
	H	.190	.190	.190	.186	.186	.186	.190	.186	.186	.190	.190	.186
		B6440172	B6440199	B6440277	B6438163	B6439730			B6438686		B6440458		

AL 0030264

JWD:js
2/18/83

19736

A

L

☐ FOR ENVELOPE

DATE

2/22

to R. Howe

from Evan

For Action	For Information	File and Forward To File	Note and Return To Sender	Forwarded Per Your Request
☒				
hold onto this material in the file				

K

S

I

C

H

DON'T SAY IT-WRITE IT

830425

To Location _____ Phone No. _____
From Location _____ Date _____
Subject _____

8 SERIAL # B6440493 PACKET # 8

5 " # B6438179 # 5

7 " # B6438908 # 7

10 " # B6438658 # 10

DONE

FIRE
CONTROL
OR
PACKET #

9 " # B6438686

4 " # 6438163

6 " # 6439730

2 " # 6440199

3 " # 6440277

11 " # 6440458

1 " # 6440172

G-88 REV. 10-62

SECURITY IS EVERYONE'S RESPONSIBILITY

S
I
C
H

AL 0030268 21/1/36

22/1/86

AL 0030269

CONDITION NO.		1	1	1	2	2	2	1	2	2	1	1	2
TRIGGER HOUSING ASSEMBLY NO.		1	2	3	4	5	6	7	8	9	10	11	12
	Dim.												
HOUSING	A	1.2395	1.2385	1.2395	1.241	1.2405	1.240	1.2385	1.2385	1.2405	1.240	1.238	1.2395
	B	.8395	.839	.8395	.841	.8415	.841	.840	.8405	.8405	.8385	.839	.842
GEAR	C	.1975-.198	.1975-.198	.1975-.198	.186	.1865	.1865	.1975	.1855	.1855	.1975	.1975-.198	.1865
	D	.8705-.871	.870-.8695	.8705-.871	.8655	.8655	.8645	.870-.8695	.863	.865	.871	.869-.8695	.8645
CONNECTOR	E	.215	.215	.215	.225	.225	.225	.215	.225	.225	.215	.215	.225
	F	.074	.072-.0715	.071-.0705	.071	.071	.071	.074	.071	.071	.074	.072-.0715	.071
TRIGGER	G	.972	.975	.975	.967	.967	.967	.9725	.967	.967	.9725	.975	.967
	H	.190	.190	.190	.186	.186	.186	.190	.186	.186	.190	.190	.186

WH: ja
7/10/83

23/36

AL 0030270

CONDITION NO.		1	1	1	2	2	2	1	2	2	1	1	2
TRIGGER HOUSING ASSEMBLY NO.		1	2	3	4	5	6	7	8	9	10	11	12
	Dim.												
HOUSING	A	1.2395	1.2385	1.2395	1.241	1.2405	1.240	1.2385	1.2385	1.2405	1.240	1.238	1.2395
	B	.8395	.839	.8395	.841	.8415	.841	.840	.8405	.8405	.8385	.839	.842
GEAR	C	.1975-.198	.1975-.198	.1975-.198	.186	.1865	.1865	.1975	.1855	.1855	.1975	.1975-.198	.1865
	D	.8705-.871	.870-.8695	.8705-.871	.8655	.8655	.8645	.870-.8695	.863	.865	.871	.869-.8695	.8645
CONNECTOR	E	.215	.215	.215	.225	.225	.225	.215	.225	.225	.215	.215	.225
	F	.074	.072-.0715	.071-.0705	.071	.071	.071	.074	.071	.071	.074	.072-.0715	.071
TRIGGER	G	.972	.975	.975	.967	.967	.967	.9725	.967	.967	.9725	.975	.967
	H	.190	.190	.190	.186	.186	.186	.190	.186	.186	.190	.190	.186

WJR:jg
7/18/83

24236

AL (03027)

CONDITION NO.		1	1	1	2	2	2	1	2	2	1	1	2
TRIGGER HOUSING ASSEMBLY NO.		1	2	3	4	5	6	7	8	9	10	11	12
	Dim.												
HOUSING	A	1.2395	1.2385	1.2395	1.241	1.2405	1.240	1.2385	1.2385	1.2405	1.240	1.238	1.2395
	B	.8395	.839	.8395	.841	.8415	.841	.840	.8405	.8405	.8385	.839	.842
GEAR	C	.1975-.198	.1975-.198	.1975-.198	.186	.1865	.1865	.1975	.1855	.1855	.1975	.1975-.198	.1865
	D	.8705-.871	.870-.8695	.8705-.871	.8655	.8655	.8645	.870-.8695	.863	.865	.871	.869-.8695	.8645
CONNECTOR	E	.215	.215	.215	.225	.225	.225	.215	.225	.225	.215	.215	.225
	F	.074	.072-.0715	.071-.0705	.071	.071	.071	.074	.071	.071	.074	.072-.0715	.071
TRIGGER	G	.972	.975	.975	.967	.967	.967	.9725	.967	.967	.9725	.975	.967
	H	.190	.190	.190	.186	.186	.186	.190	.186	.186	.190	.190	.186

AWB:js
7/10/83

25836

AL 0030272

CONDITION NO.		1	1	1	2	2	2	1	2	2	1	1	2
TRIGGER HOUSING ASSEMBLY NO.		1	2	3	4	5	6	7	8	9	10	11	12
	Dim.												
HOUSING	A	1.2395	1.2385	1.2395	1.241	1.2405	1.240	1.2385	1.2385	1.2405	1.240	1.238	1.2395
	B	.8395	.839	.8395	.841	.8415	.841	.840	.8405	.8405	.8385	.839	.842
REAR	C	.1975-.198	.1975-.198	.1975-.198	.186	.1865	.1865	.1975	.1855	.1855	.1975	.1975-.198	.1865
	D	.8705-.871	.870-.8695	.8705-.871	.8655	.8655	.8645	.870-.8695	.863	.865	.871	.869-.8695	.8645
CONNECTOR	E	.215	.215	.215	.225	.225	.225	.215	.225	.225	.215	.215	.225
	F	.074	.072-.0715	.071-.0705	.071	.071	.071	.074	.071	.071	.074	.072-.0715	.071
TRIGGER	G	.972	.975	.975	.967	.967	.967	.9725	.967	.967	.9725	.975	.967
	H	.190	.190	.190	.186	.186	.186	.190	.186	.186	.190	.190	.186

WJ:js
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CONDITION NO.		1	1	1	2	2	2	1	2	2	1	1	2
TRIGGER HOUSING ASSEMBLY NO.		1	2	3	4	5	6	7	8	9	10	11	12
	Dim.												
HOUSING	A	1.2395	1.2385	1.2395	1.241	1.2405	1.240	1.2385	1.2385	1.2405	1.240	1.238	1.2395
	B	.8395	.839	.8395	.841	.8415	.841	.840	.8405	.8405	.8385	.839	.842
GEAR	C	.1975-.198	.1975-.198	.1975-.198	.186	.1865	.1865	.1975	.1855	.1855	.1975	.1975-.198	.1865
	D	.8705-.871	.870-.8695	.8705-.871	.8655	.8655	.8645	.870-.8695	.863	.865	.871	.869-.8695	.8645
CONNECTOR	E	.215	.215	.215	.225	.225	.225	.215	.225	.225	.215	.215	.225
	F	.074	.072-.0715	.071-.0705	.071	.071	.071	.074	.071	.071	.074	.072-.0715	.071
TRIGGER	G	.972	.975	.975	.967	.967	.967	.9725	.967	.967	.9725	.975	.967
	H	.190	.190	.190	.186	.186	.186	.190	.186	.186	.190	.190	.186

WBL:js
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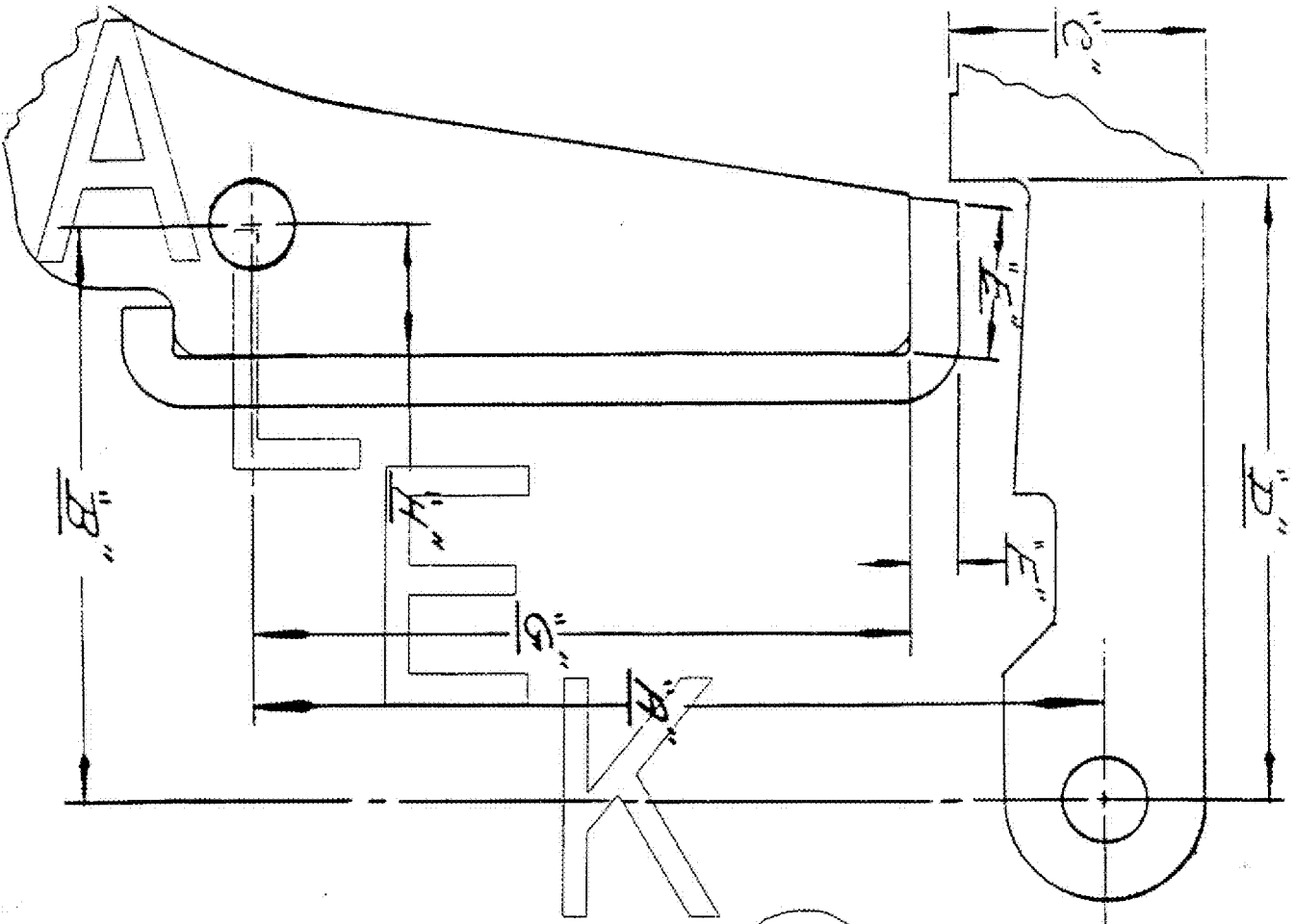
CONDITION NO.		1	1	1	2	2	2	1	2	2	1	1	2
TRIGGER HOUSING ASSEMBLY NO.		1	2	3	4	5	6	7	8	9	10	11	12
	<u>Dim.</u>												
HOUSING	A	1.2395	1.2385	1.2395	1.241	1.2405	1.240	1.2385	1.2385	1.2405	1.240	1.238	1.2395
	B	.8395	.839	.8395	.841	.8415	.841	.840	.8405	.8405	.8385	.839	.842
GEAR	C	.1975- .198	.1975- .198	.1975- .198	.186	.1865	.1865	.1975	.1855	.1855	.1975	.1975- .198	.1865
	D	.8705- .871	.870- .8695	.8705- .871	.8655	.8655	.8645	.870- .8695	.863	.865	.871	.869- .8695	.8645
CONNECTOR	E	.215	.215	.215	.225	.225	.225	.215	.225	.225	.215	.215	.225
	F	.074	.072- .0715	.071- .0705	.071	.071	.071	.074	.071	.071	.074	.072- .0715	.071
TRIGGER	G	.972	.975	.975	.967	.967	.967	.9725	.967	.967	.9725	.975	.967
	H	.190	.190	.190	.186	.186	.186	.190	.186	.186	.190	.190	.186

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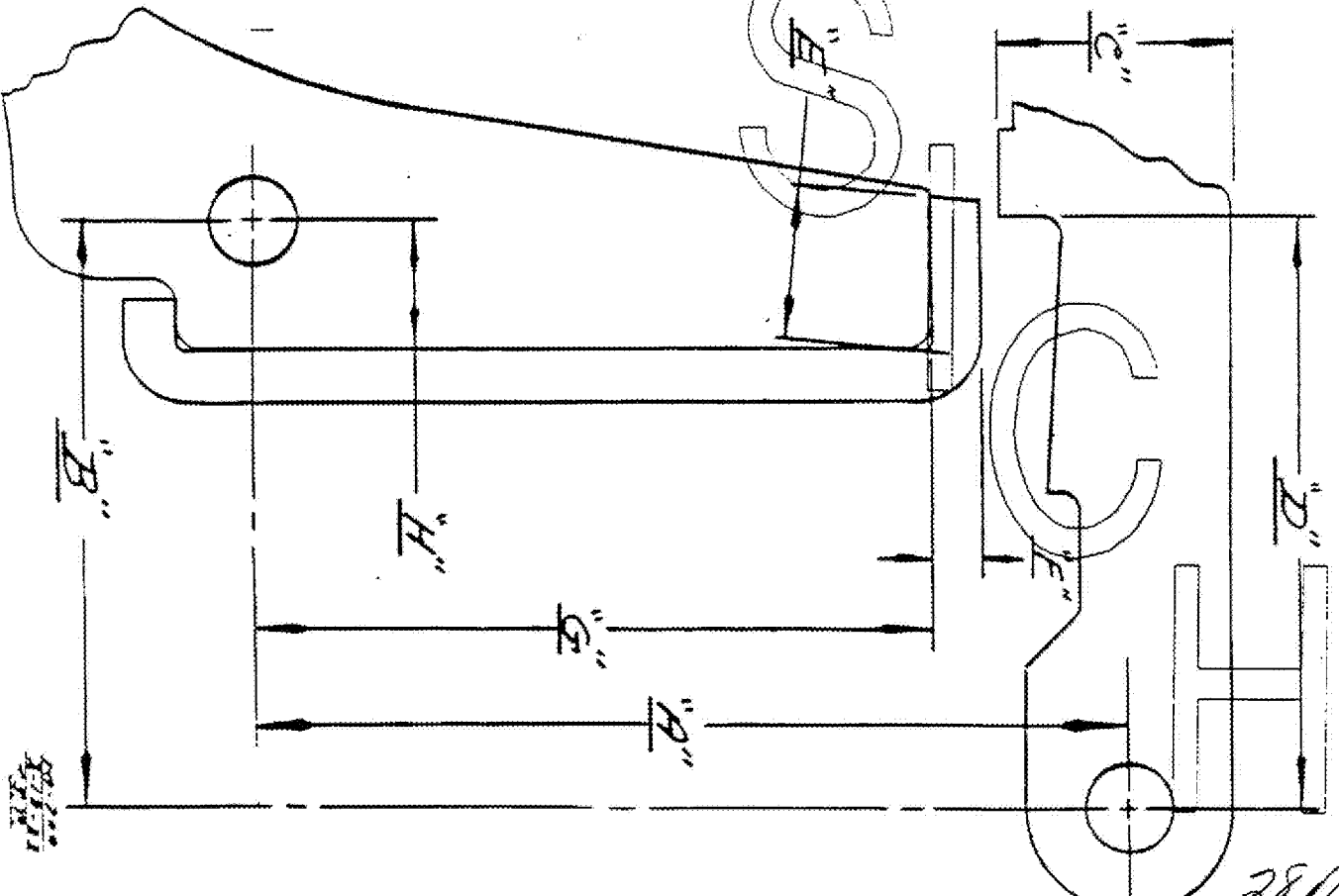
27736

WV:ja
1/18/81

Conversion No. 1

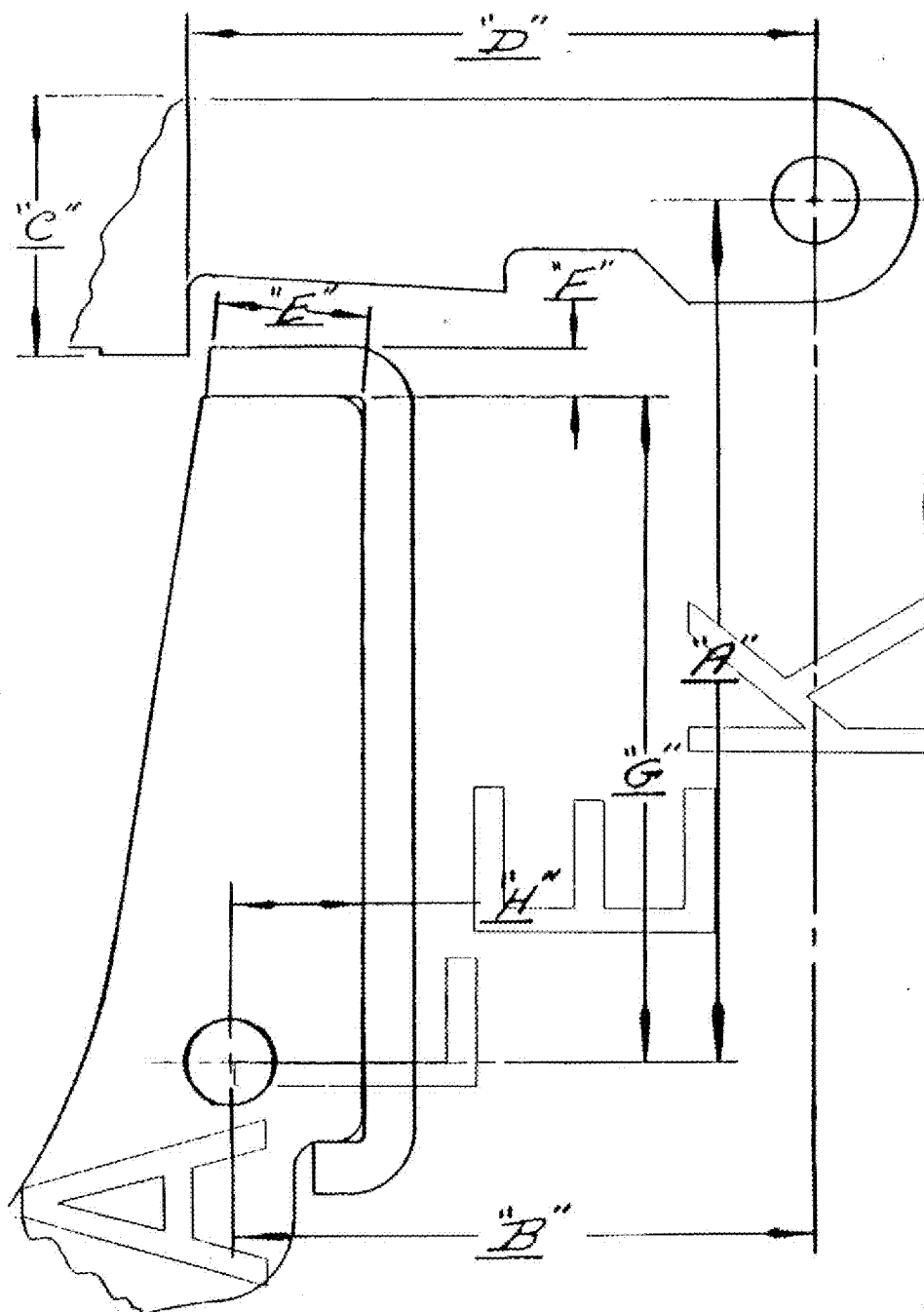


Conversion No. 2

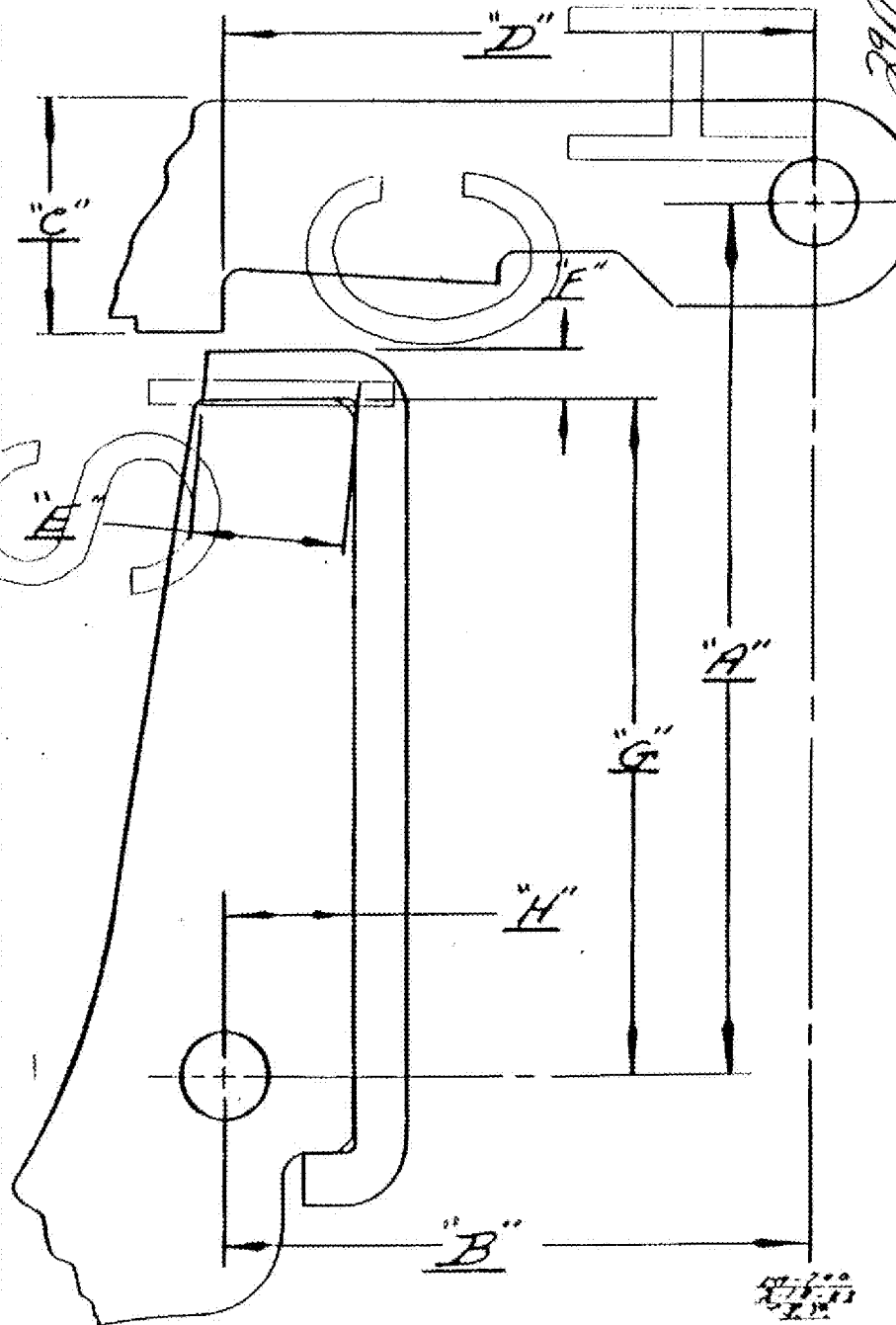


28836

CONDITION No. 1



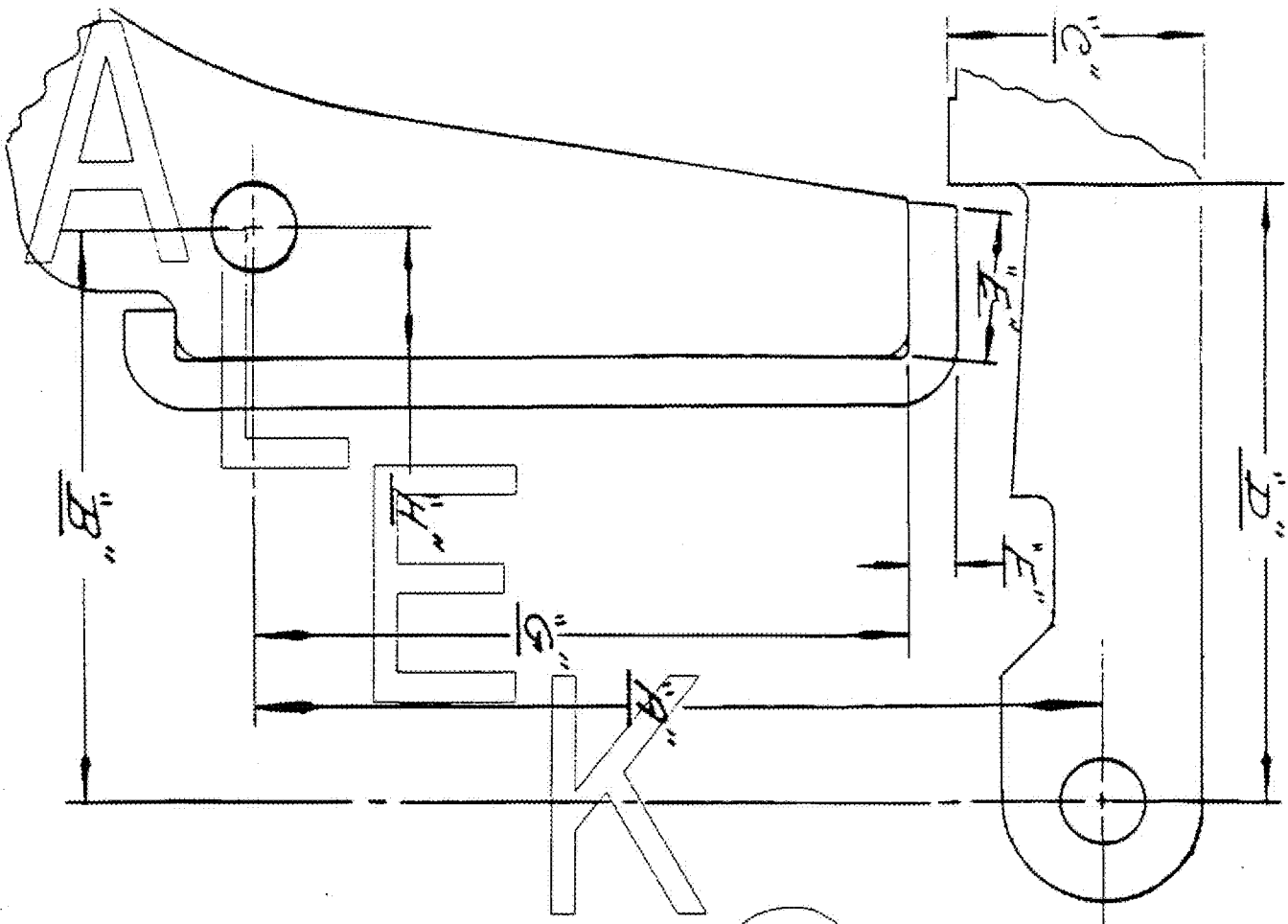
CONDITION No. 2



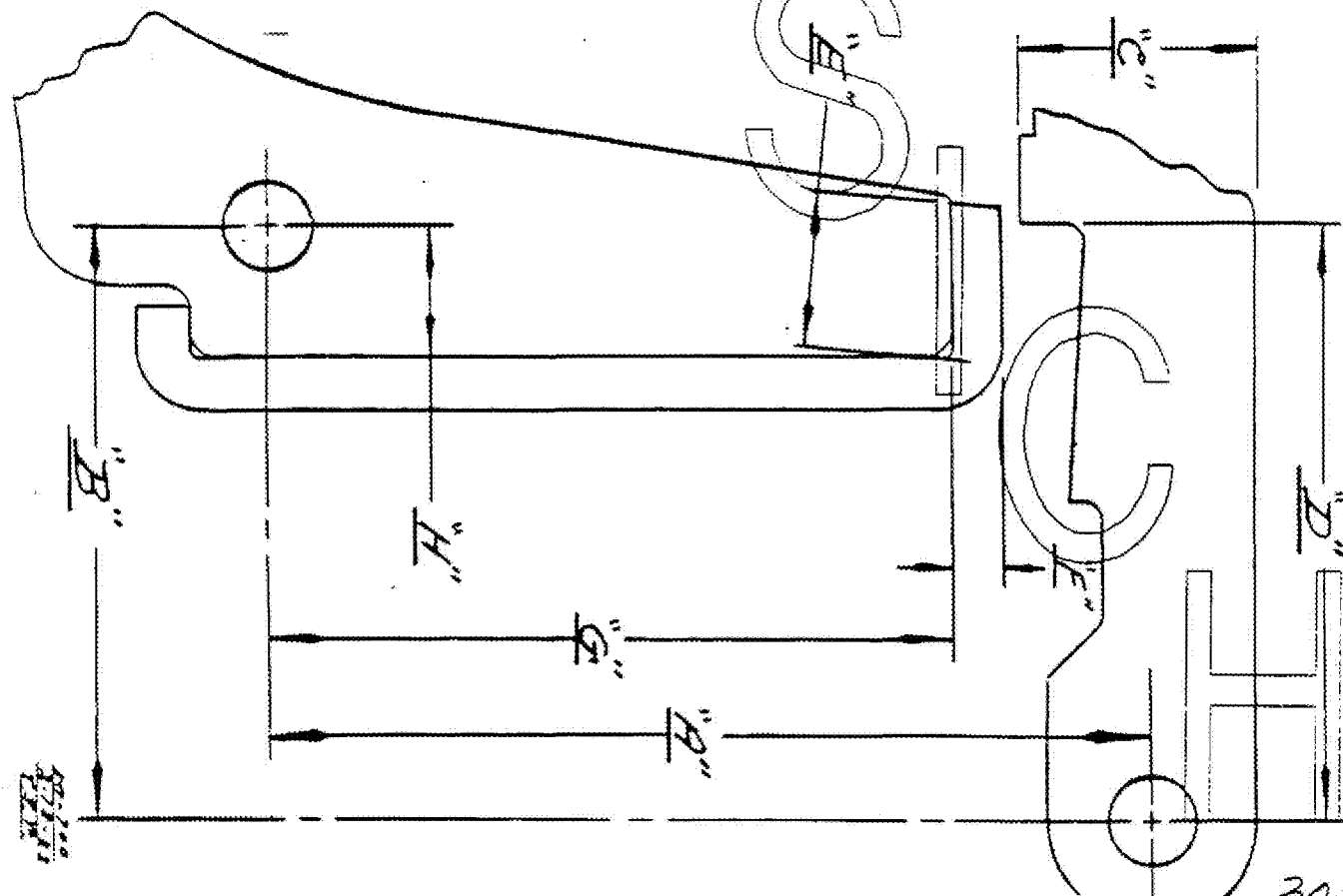
29736

AL 0030276

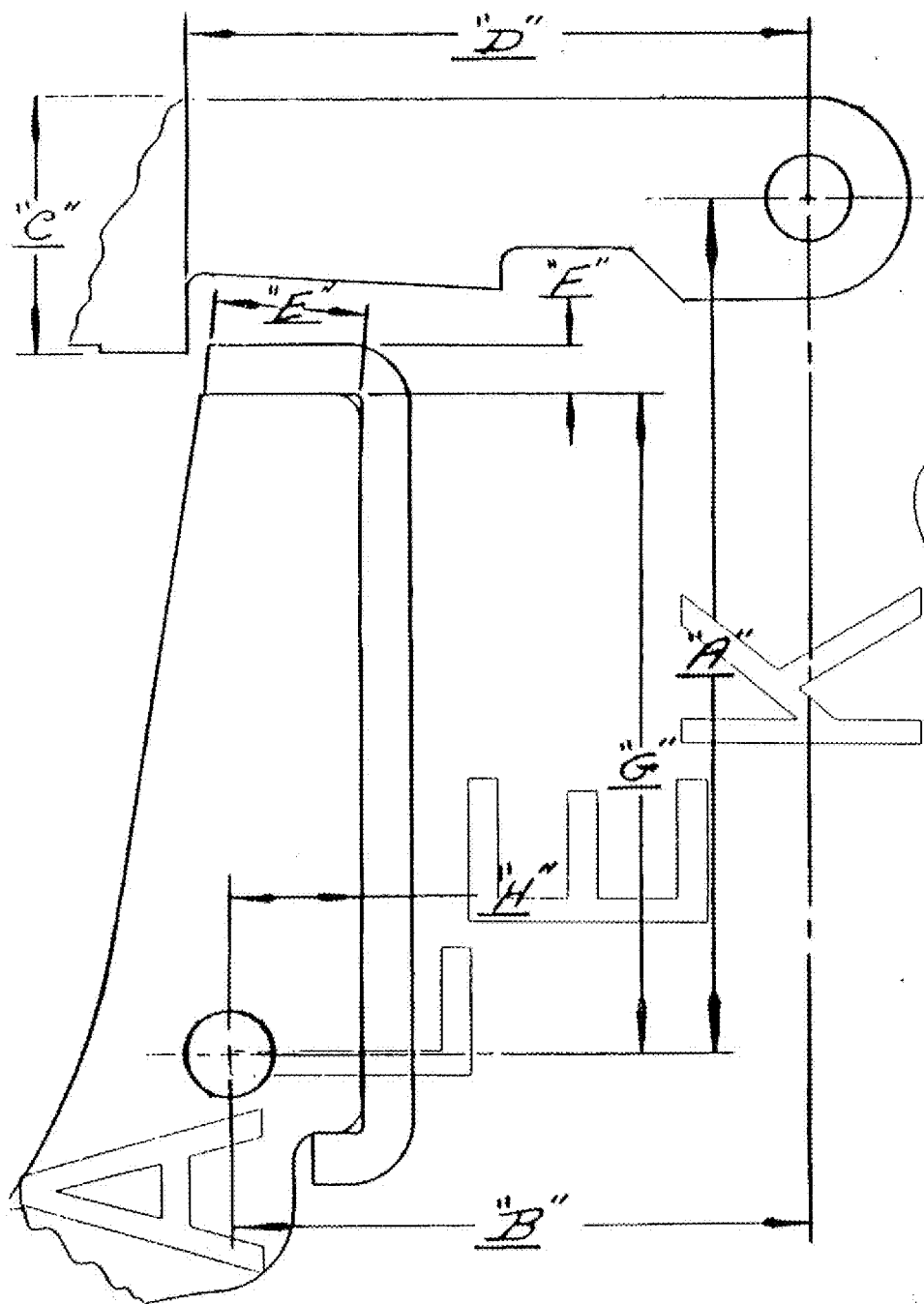
CONDITION No. 1



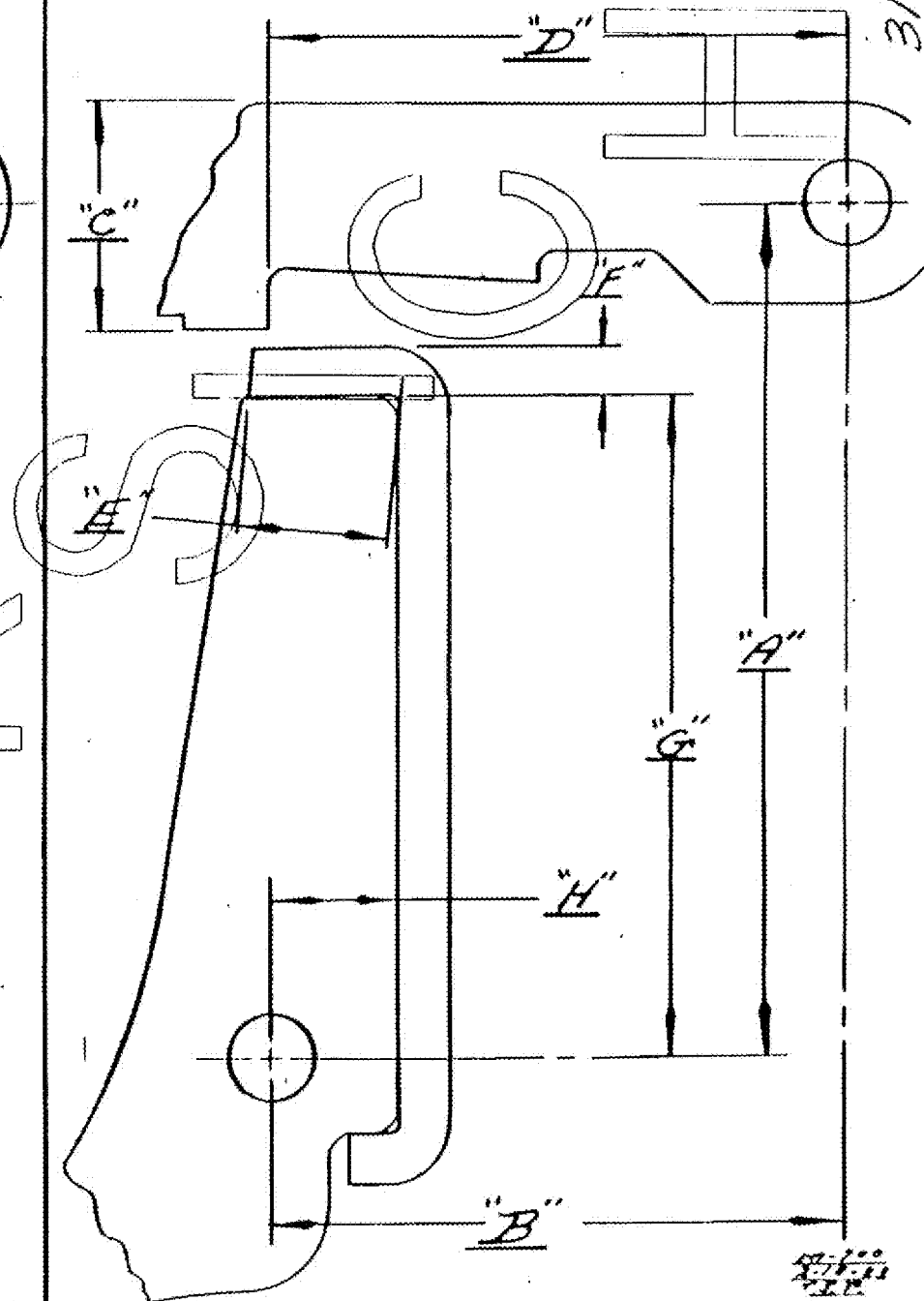
CONDITION No. 2



CONDITION No. 1



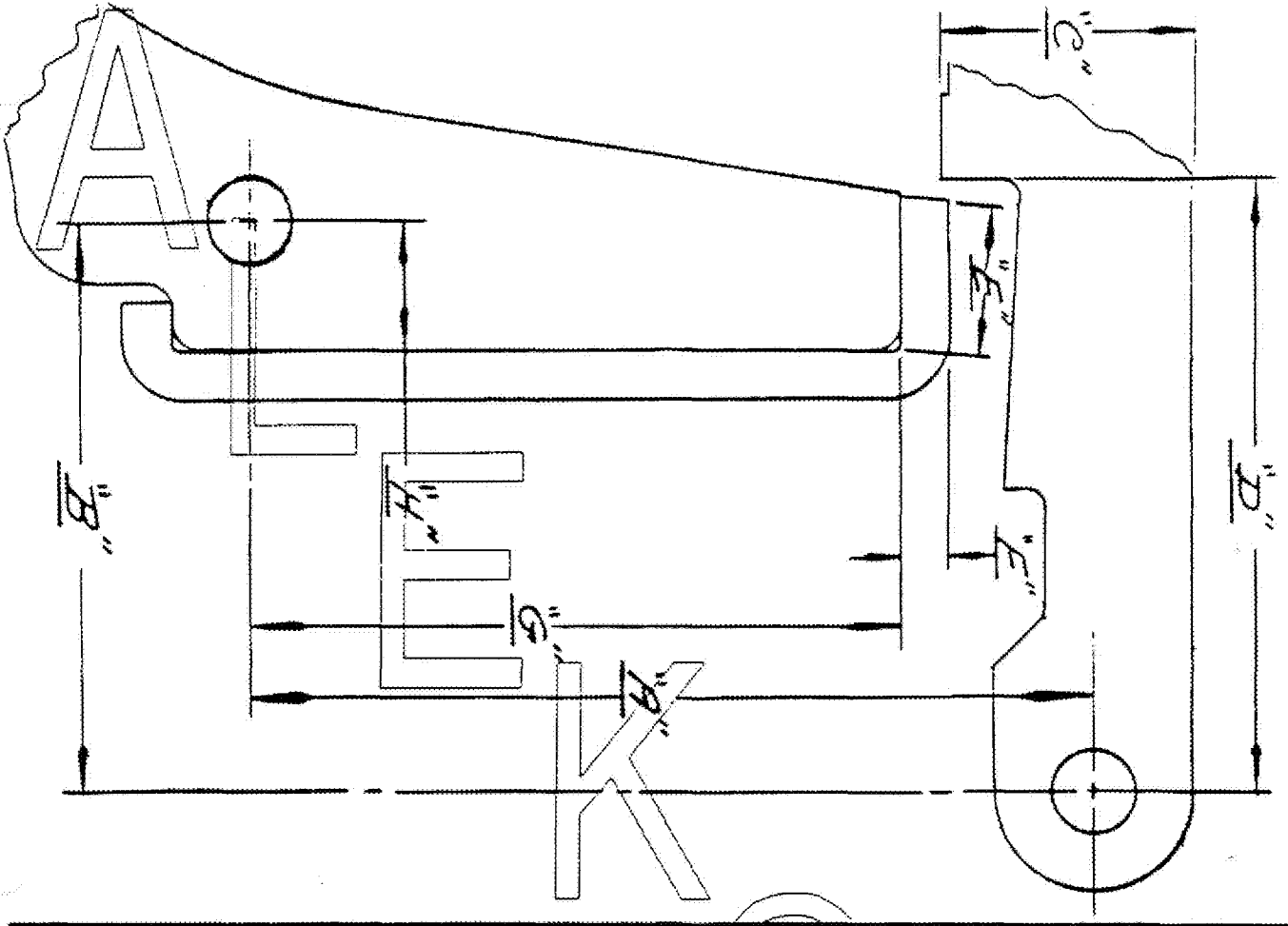
CONDITION No. 2



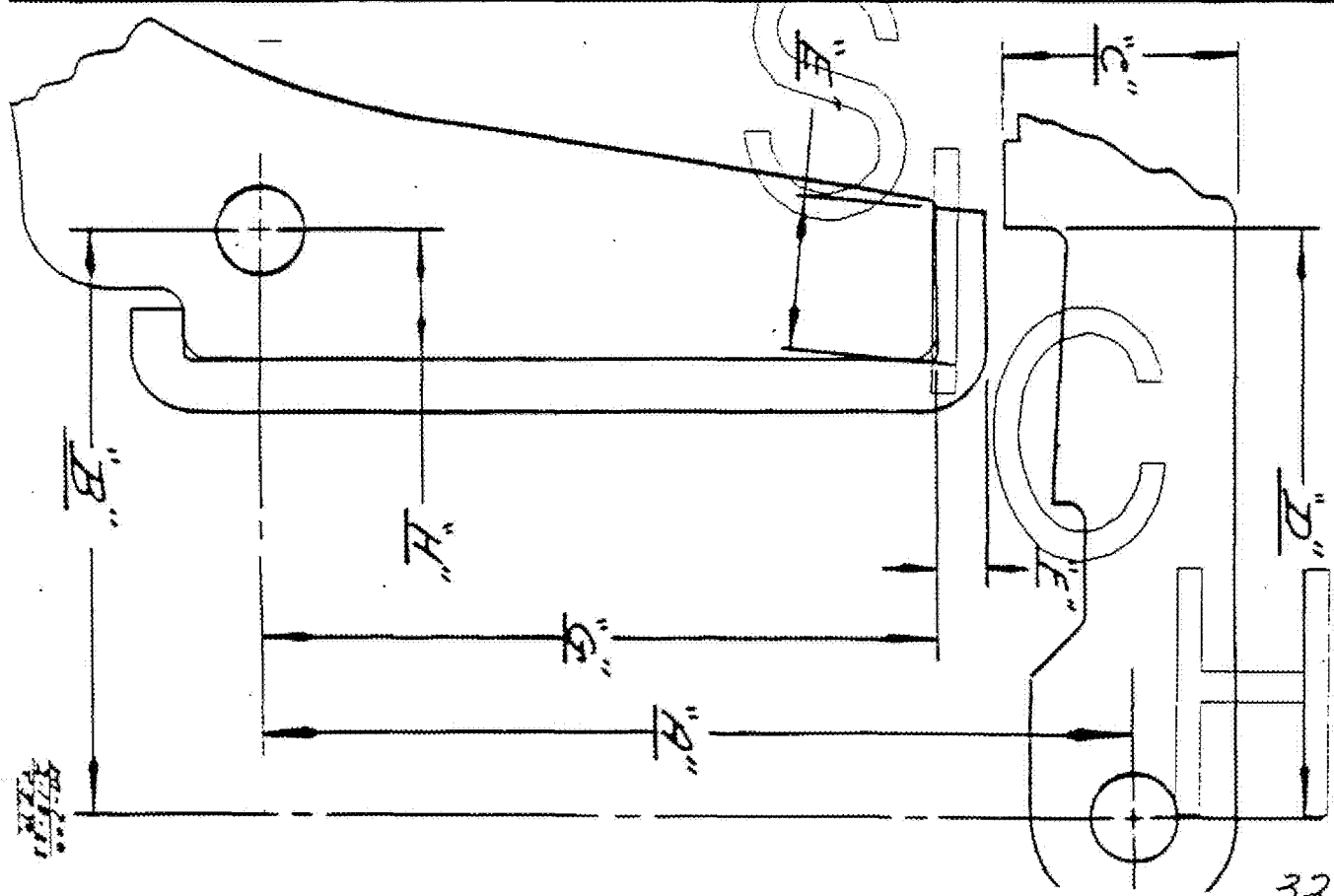
AL 0030278

31836

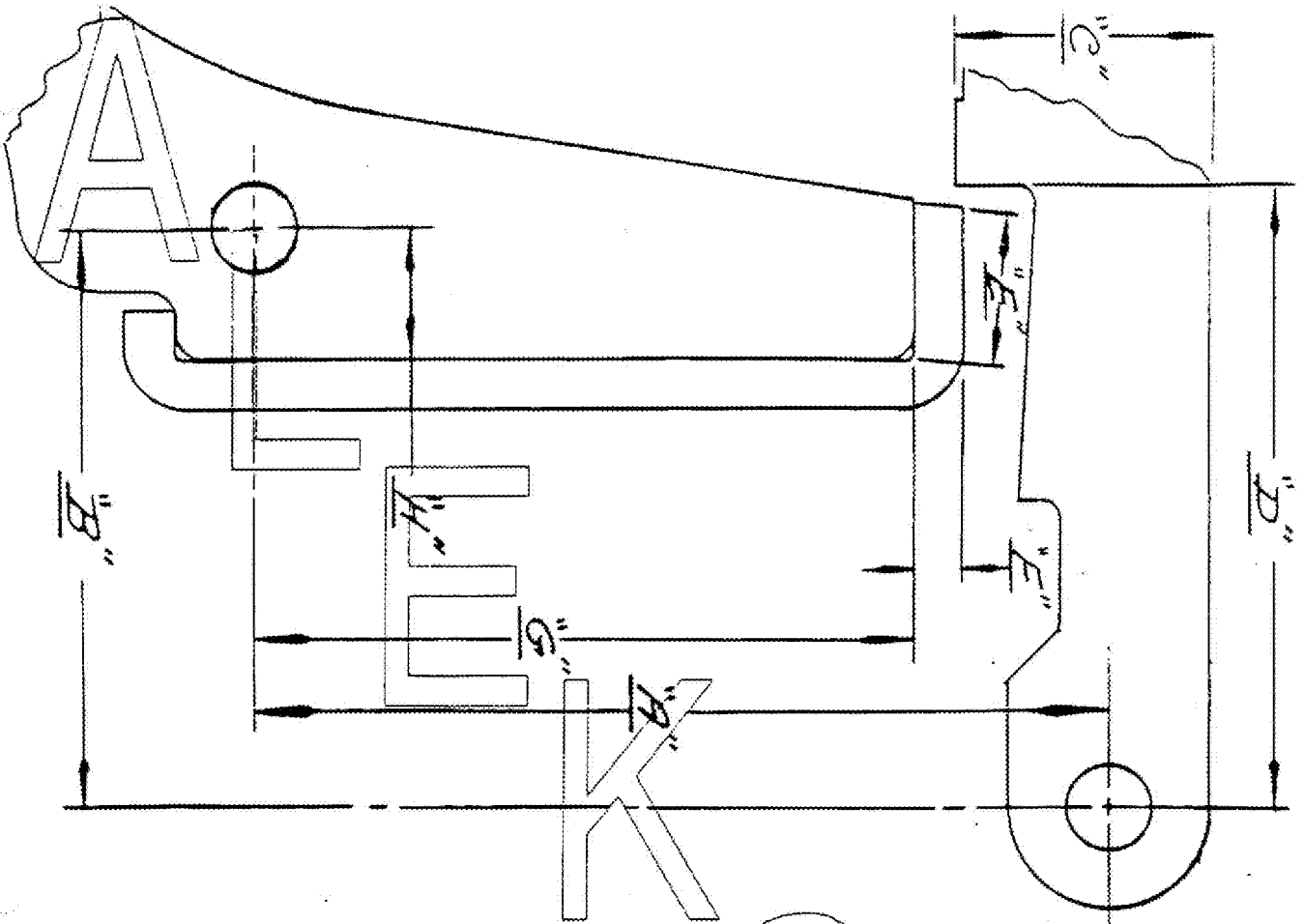
Condition No. 1



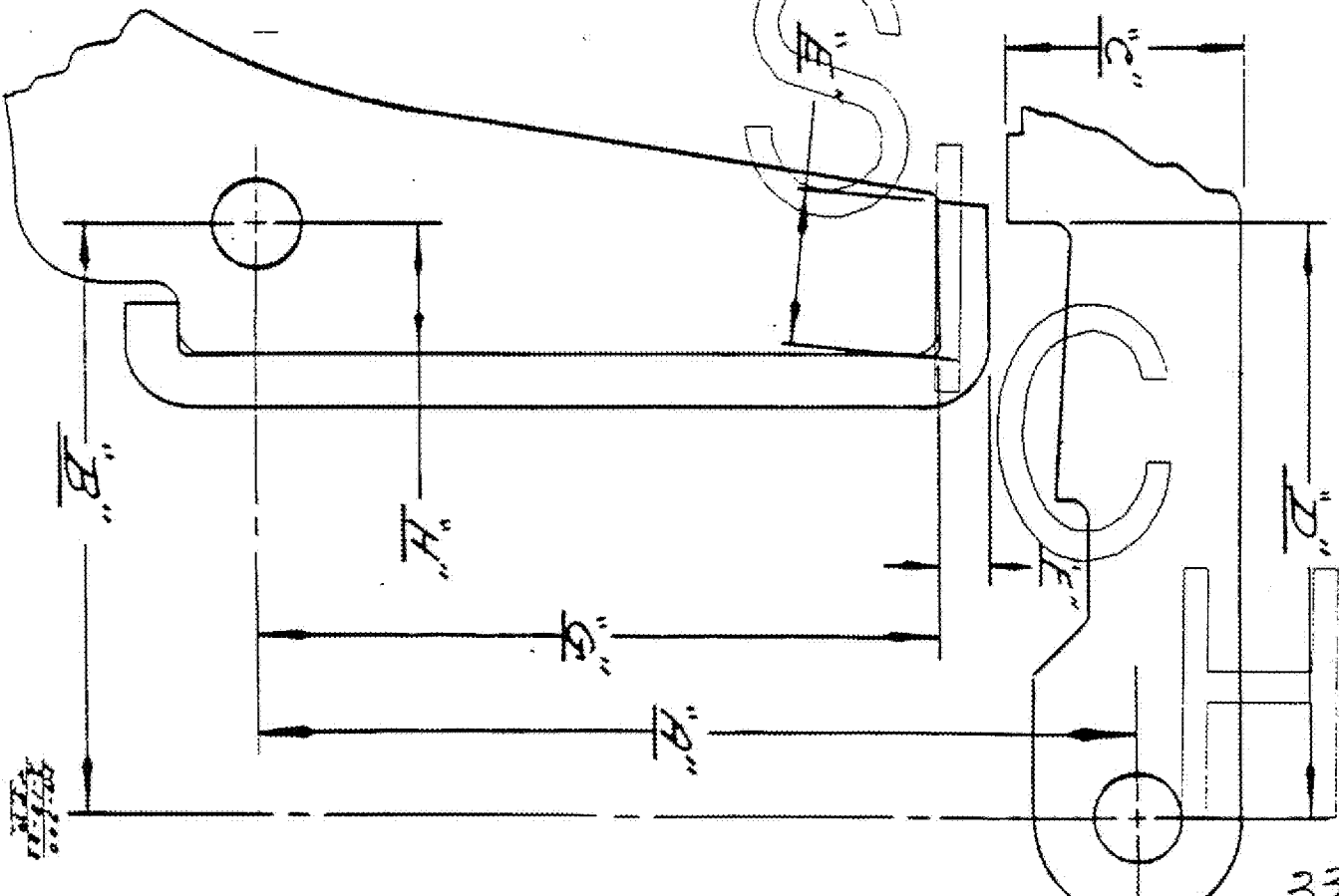
Condition No. 2



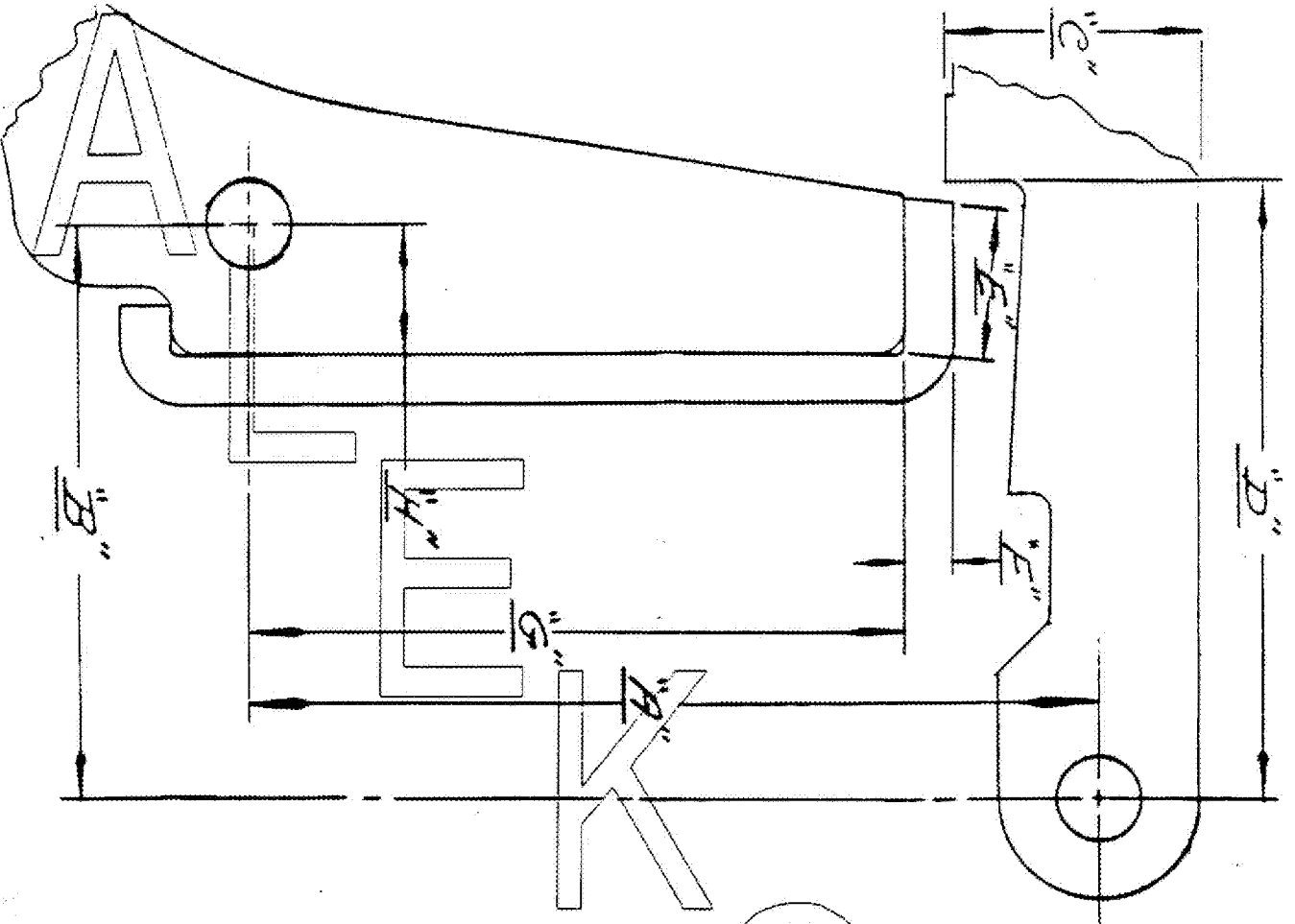
Condition No. 1



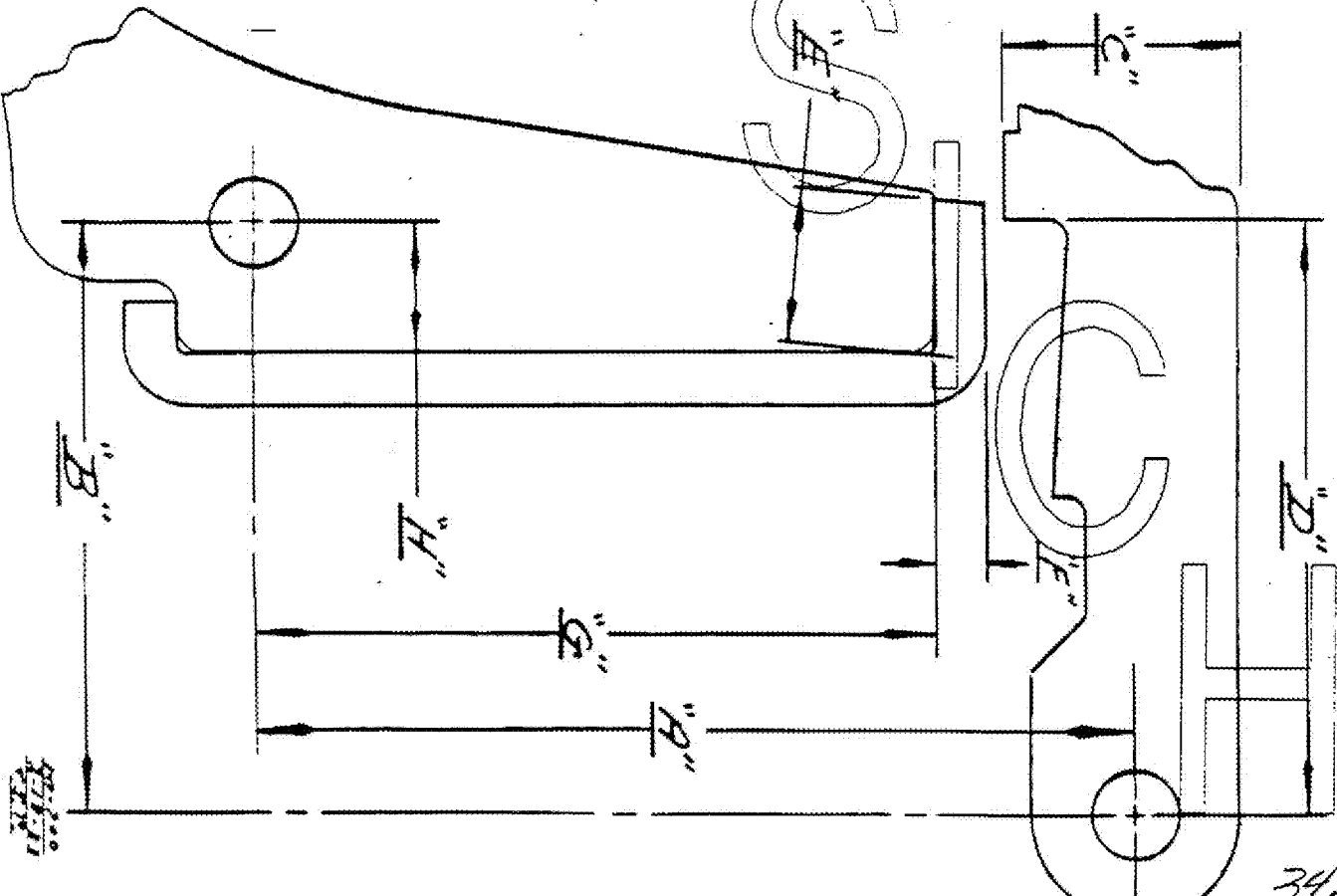
Condition No. 2



Condition No. 1

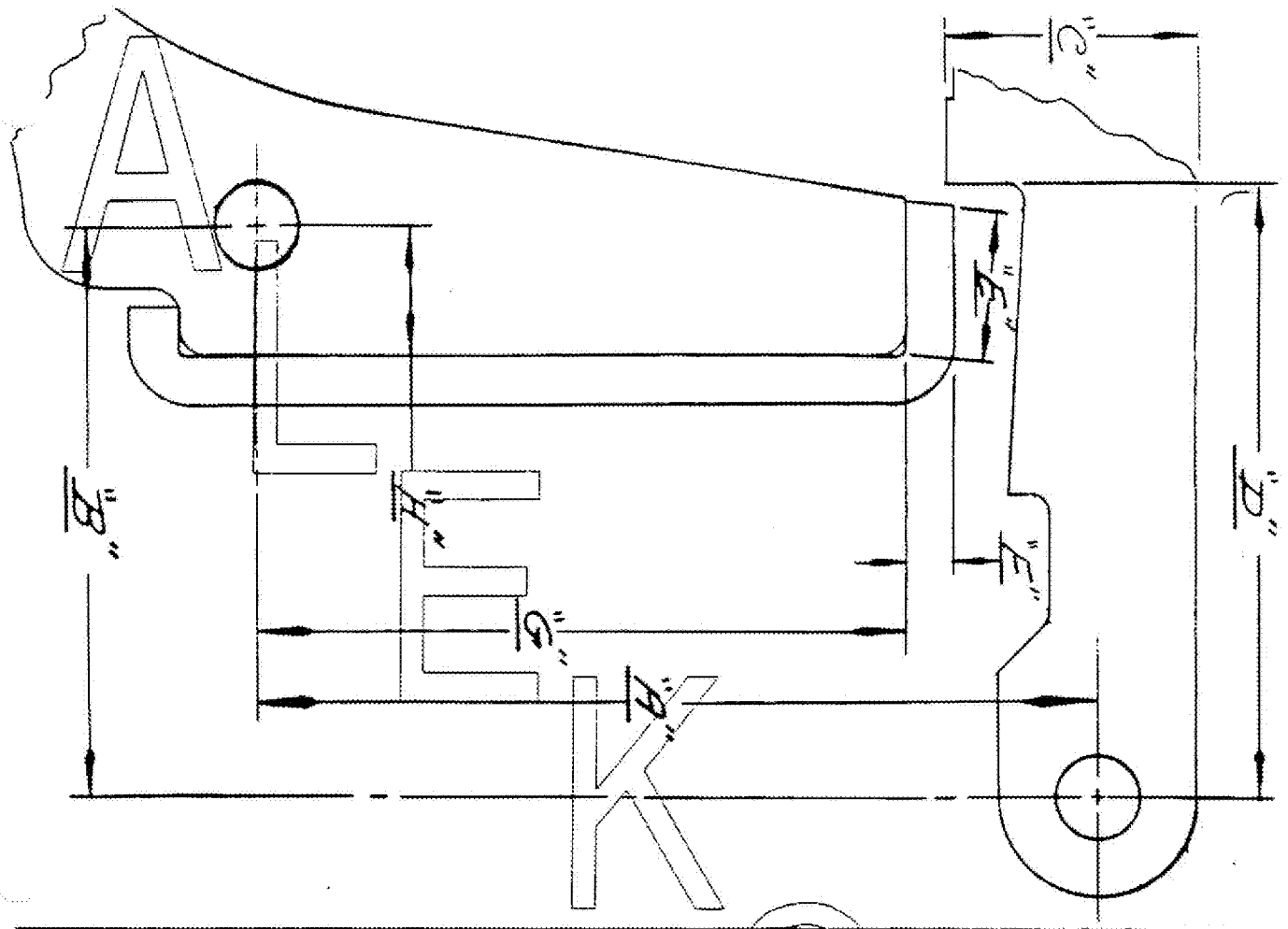


Condition No. 2

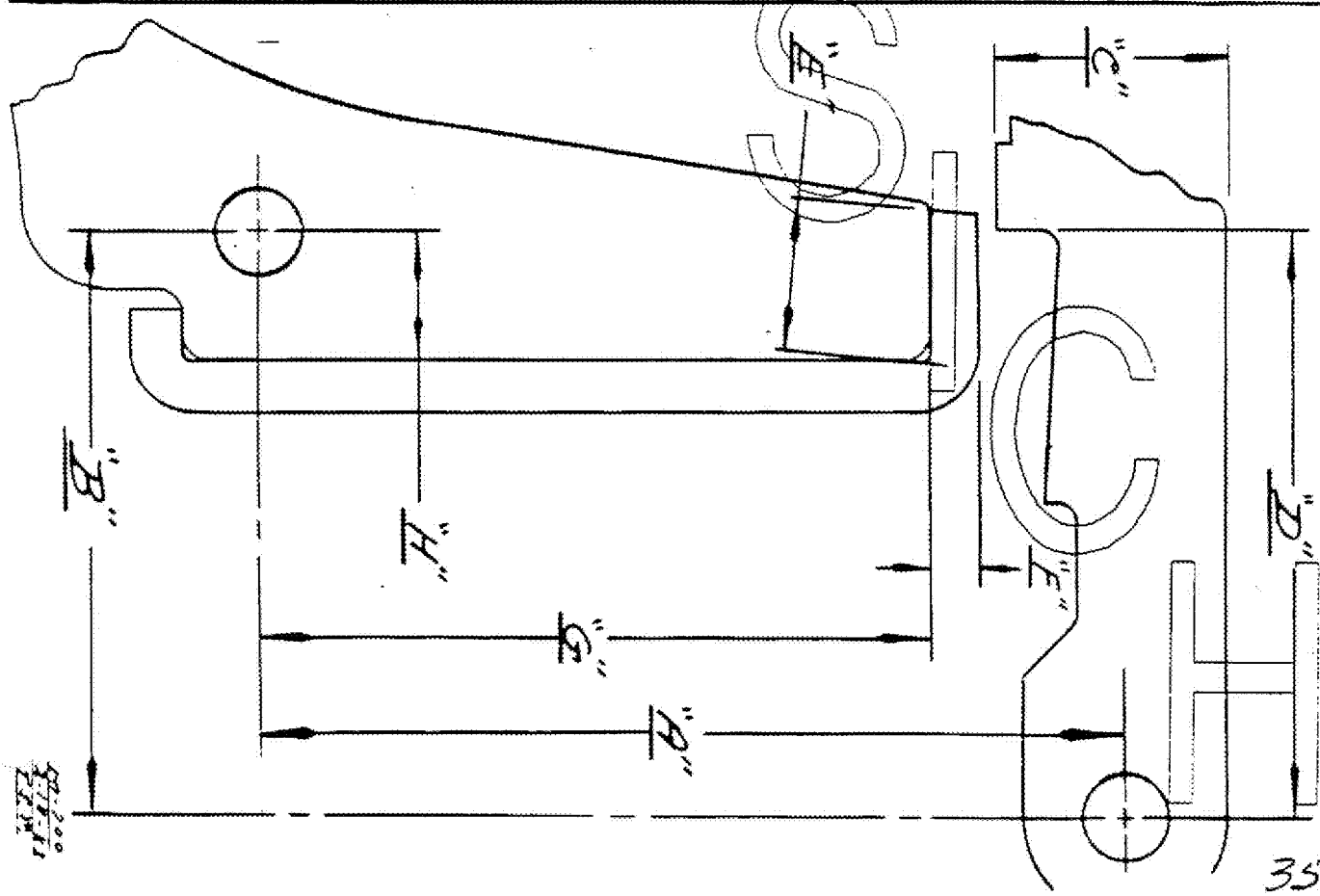


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Condition No. 1



Condition No. 2



CONDITION NO.		1	1	1	2	2	2	1	2	2	1	1	2
TRIGGER HOUSING ASSEMBLY NO.		1	2	3	4	5	6	7	8	9	10	11	12
	Dim.												
HOUSING	A	1.2395	1.2385	1.2395	1.241	1.2405	1.240	1.2385	1.2385	1.2405	1.240	1.238	1.2395
	B	.8395	.839	.8395	.841	.8415	.841	.840	.8405	.8405	.8385	.839	.842
GEAR	C	.1975- .198	.1975- .198	.1975- .198	.186	.1865	.1865	.1975	.1855	.1855	.1975	.1975- .198	.1865
	D	.8705- .871	.870- .8695	.8705- .871	.8655	.8655	.8645	.870- .8695	.863	.865	.871	.869- .8695	.8645
CONNECTOR	E	.215	.215	.215	.225	.225	.225	.215	.225	.225	.215	.215	.225
	F	.074	.072- .0715	.071- .0705	.071	.071	.071	.074	.071	.071	.074	.072- .0715	.071
TRIGGER	G	.972	.975	.975	.967	.967	.967	.9725	.967	.967	.9725	.975	.967
	H	.190	.190	.190	.186	.186	.186	.190	.186	.186	.190	.190	.186

OWN: js
2/18/83

AL 0030283

36836