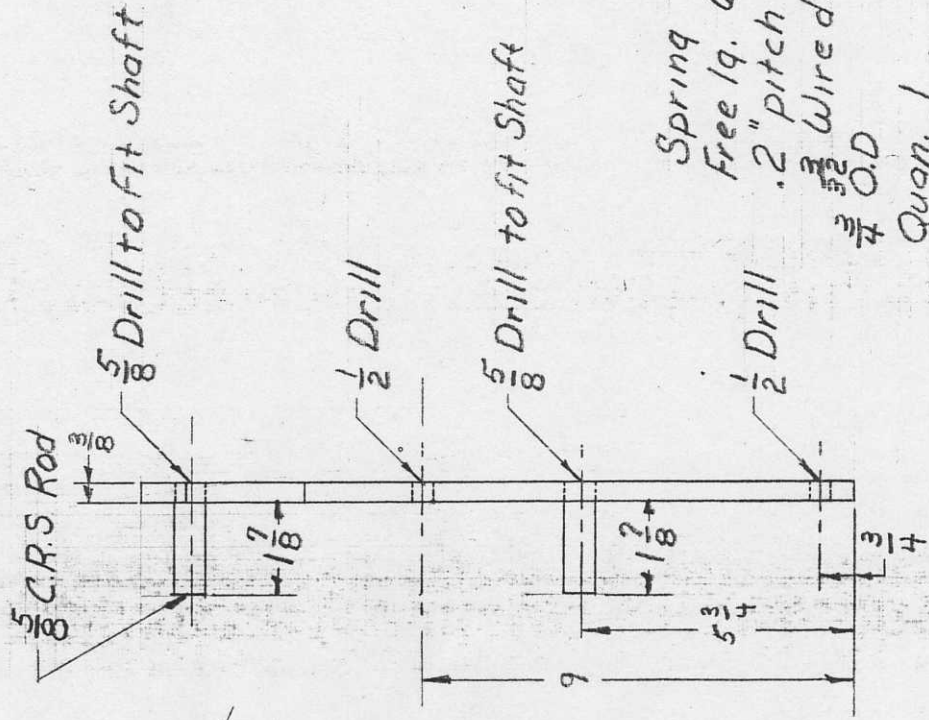
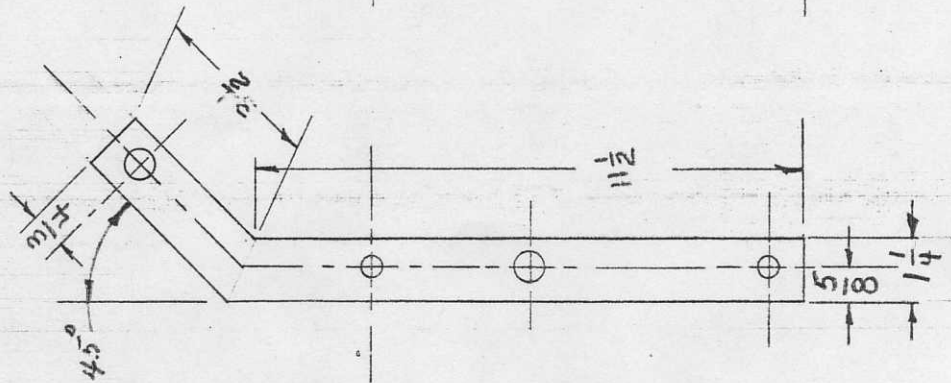




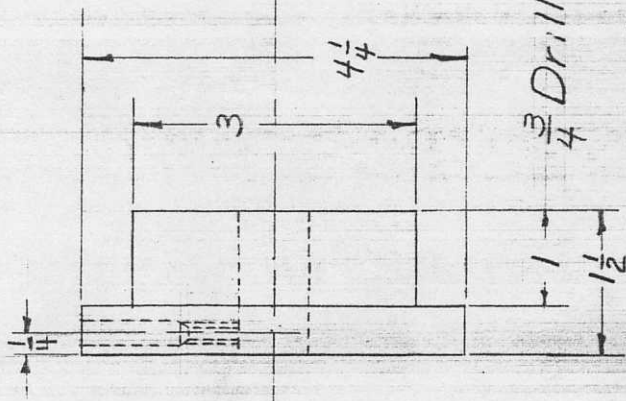
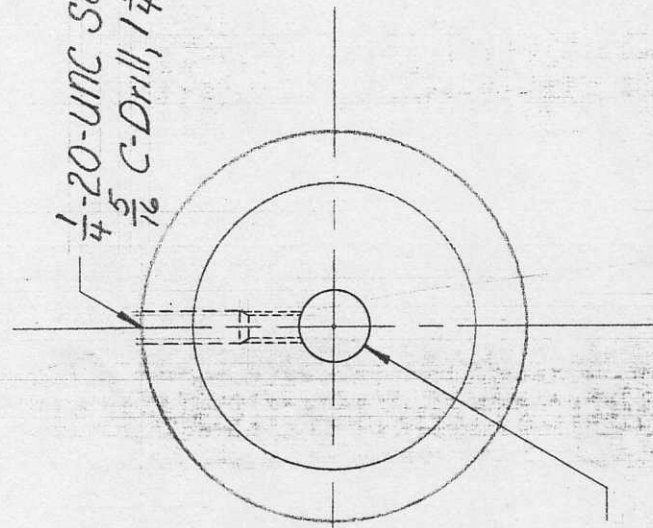
Idle Adj.
 Mat'l. H.R. Flat $\frac{5}{8}$ C.R.S. Rod
 Quan. 1



Spring
 Free lg. $6\frac{7}{8}$
 .2" pitch
 $\frac{3}{16}$ Wire dia.
 $\frac{3}{4}$ O.D.
 Quan. 1



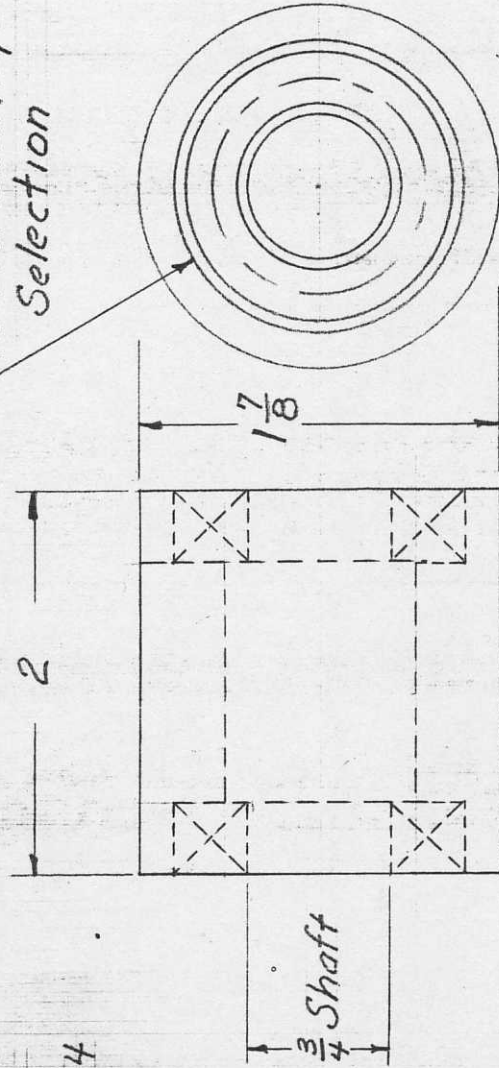
$\frac{1}{4}$ -20-UNC Set Screw
 $\frac{5}{16}$ C-Drill, $1\frac{1}{4}$ Dp.



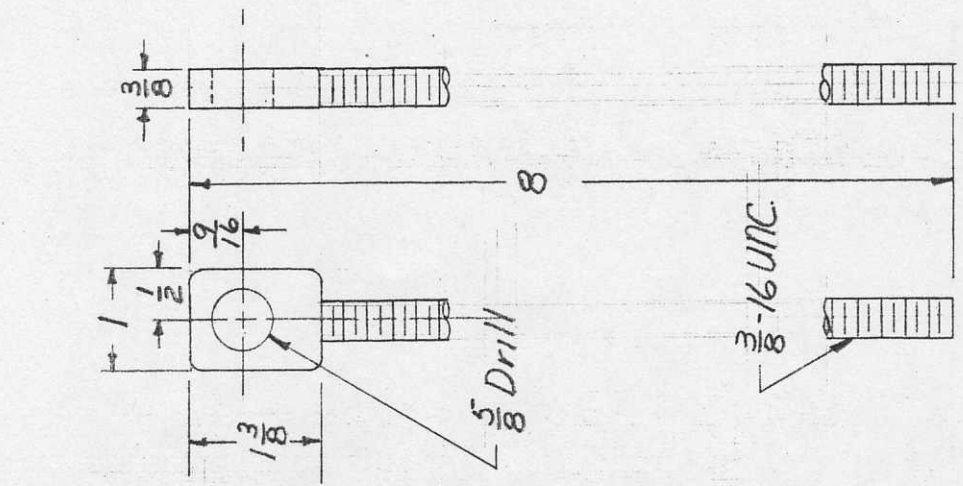
$\frac{3}{4}$ Drill

Drive Roller
Matl: Flum; Quan. 4

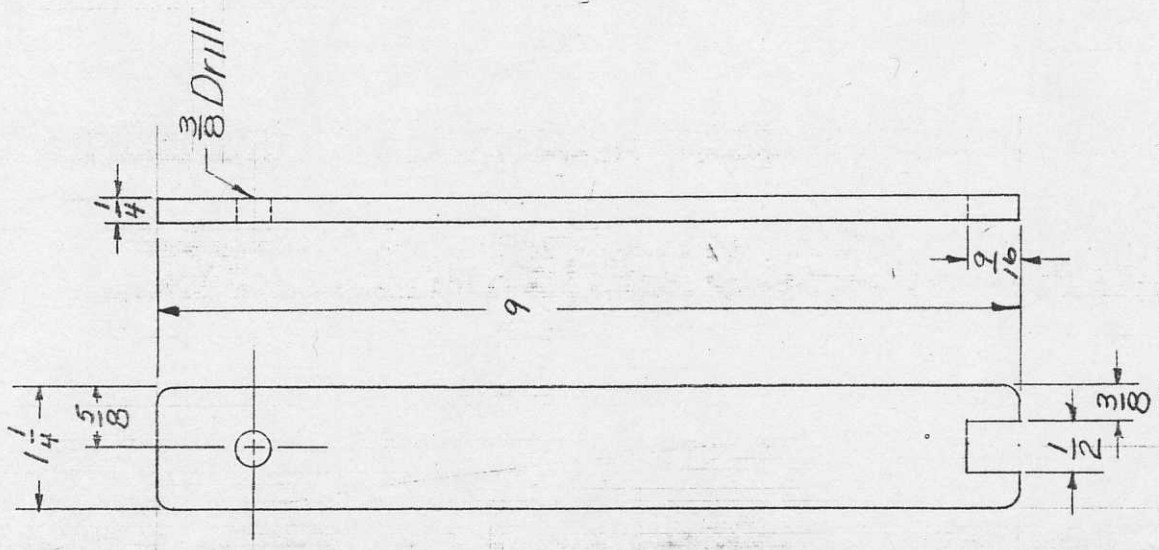
Machine Interior
To Suit Bearing
Selection



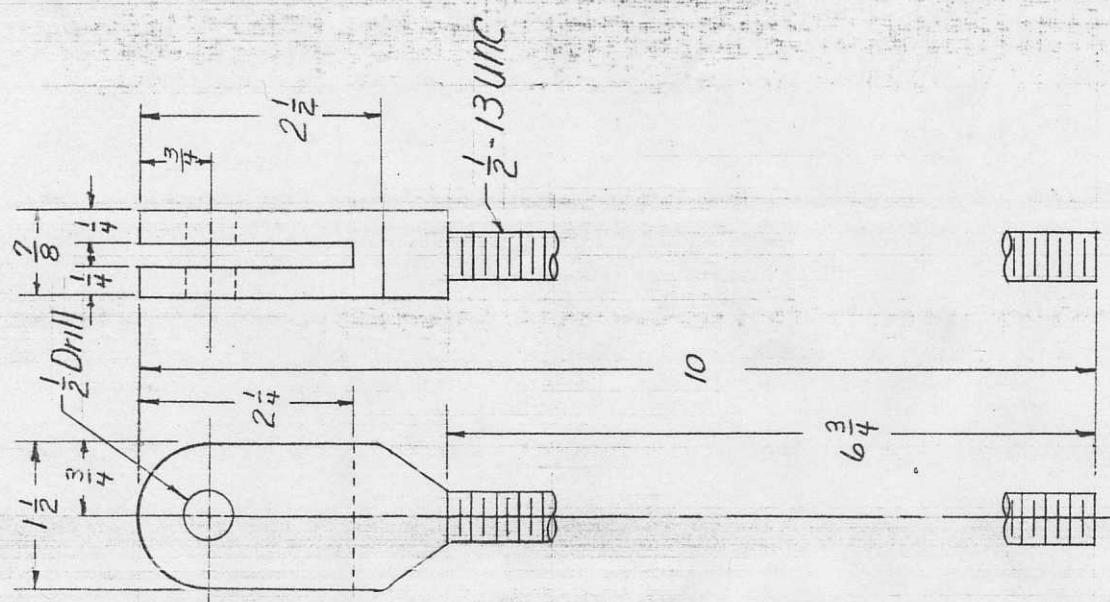
Drive Engagement Roller
Matl: C.R.S.; Quan. 1



Idler Adj.
 Mat'l. Thd. Rod & H.R. Flat
 Quan. 1

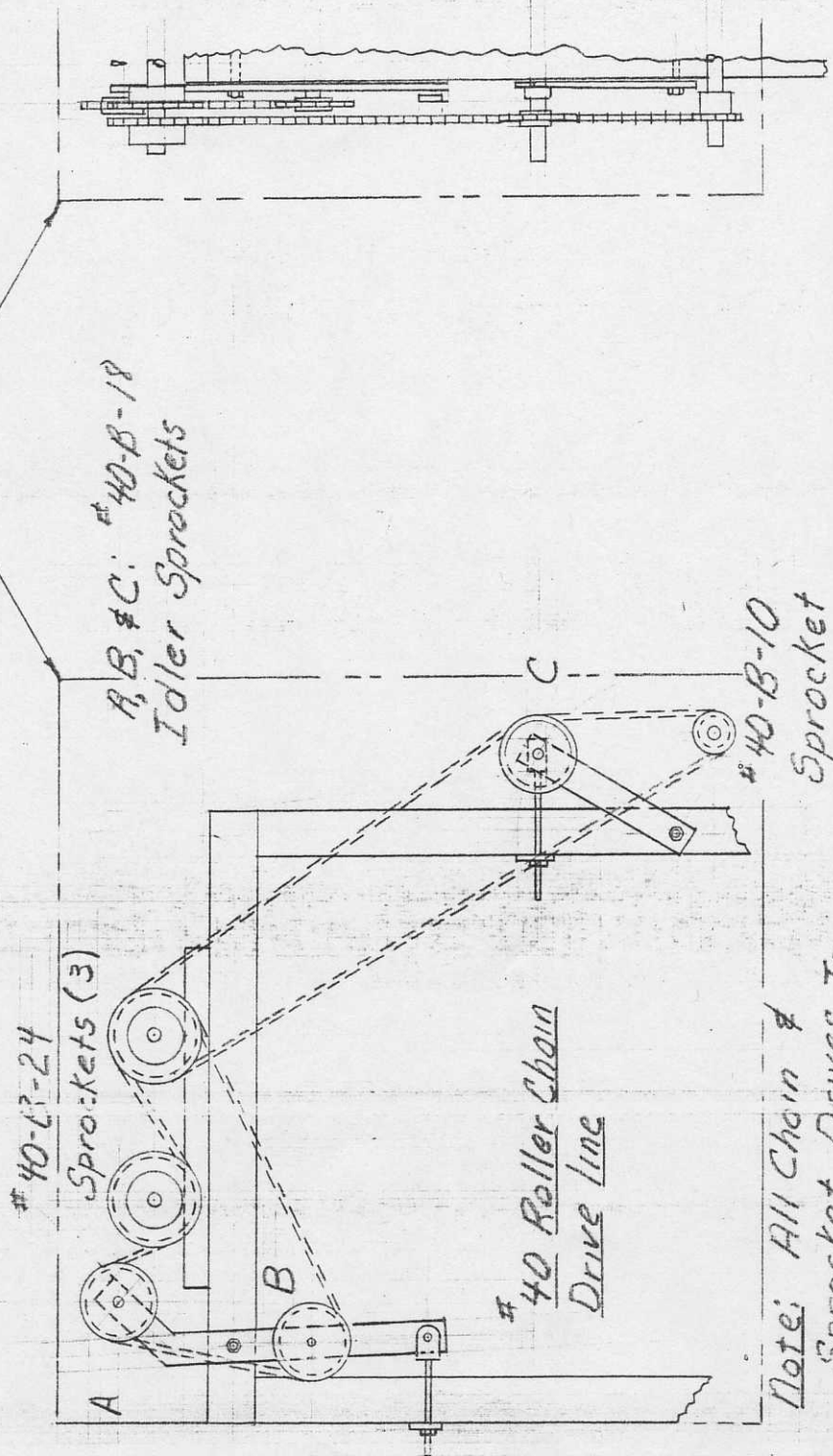


Lever Arm Support
 Mat'l. H.R. Flat
 Quan. 1



Clevis Rod
 Mat'l. Thd. Rod & H.R. Flat
 Quan. 1

Sheet Mtl. Shield (20 ga.)



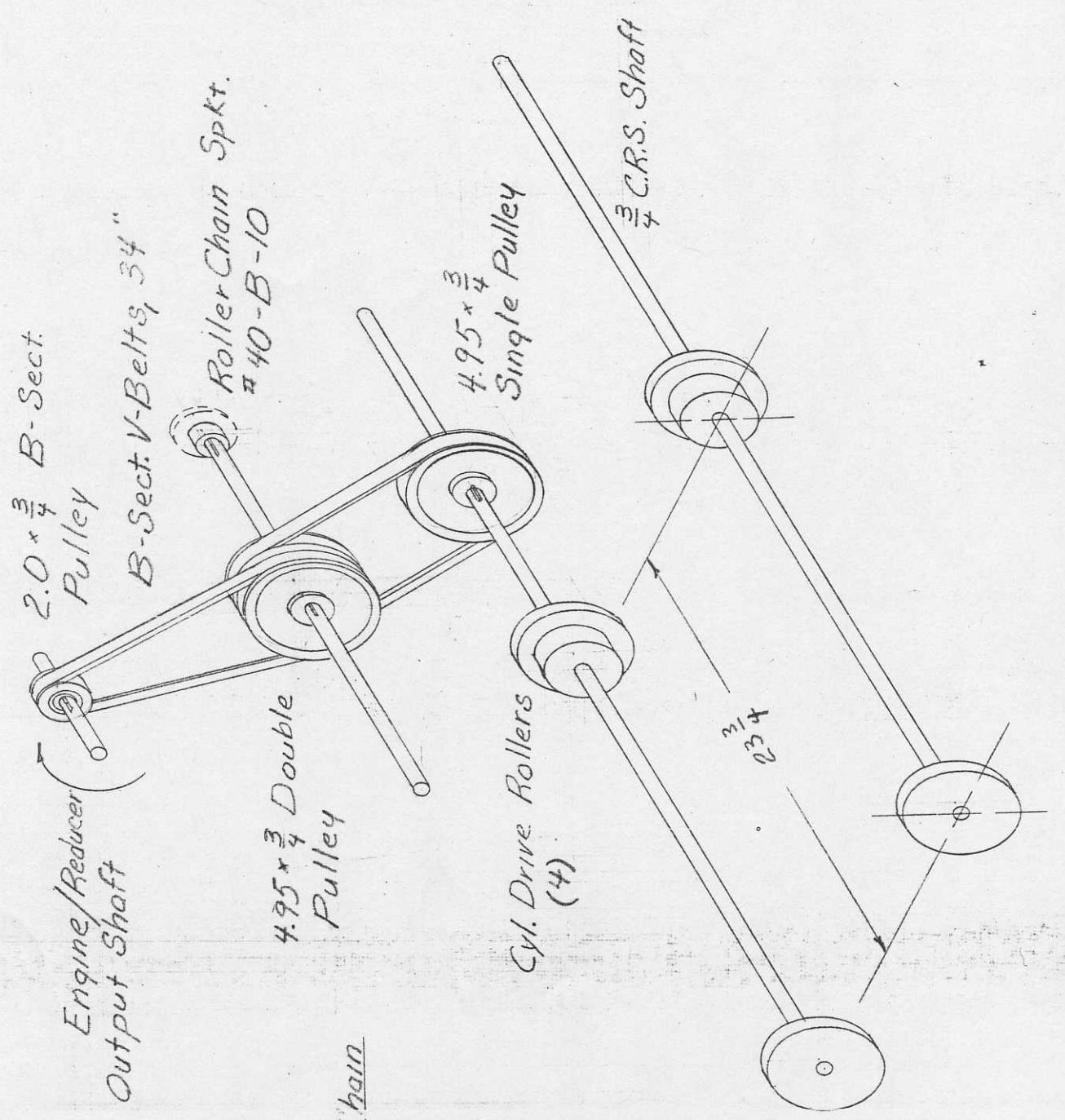
#40-B-24
Sprockets (3)

A, B, & C: #40-B-18
Idler Sprockets

#40 Roller Chain
Drive line

#40-B-10
Sprocket

Note: All Chain &
Sprocket Drives To
be Shielded.



2.0 x $\frac{3}{4}$ B-Sect. Pulley

B-Sect. V-Belts, 34"

Roller Chain Spkt. #40-B-10

4.95 x $\frac{3}{4}$ Double Pulley

4.95 x $\frac{3}{4}$ Single Pulley

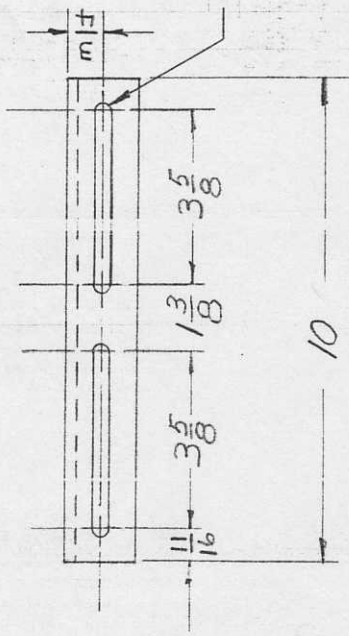
Cyl. Drive Rollers (4)

$\frac{3}{4}$ C.R.S. Shaft

$\frac{3}{4}$ 234

V-Belt Drive Chain

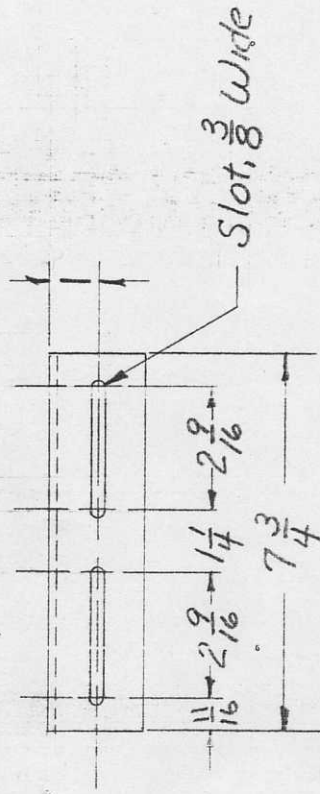
"A" Engine Mount



Matl: $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$ Angle
Quan. 2

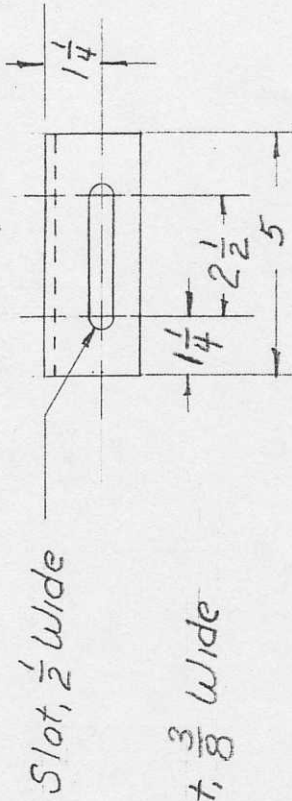
"B" & "C"

Bearing Mounts



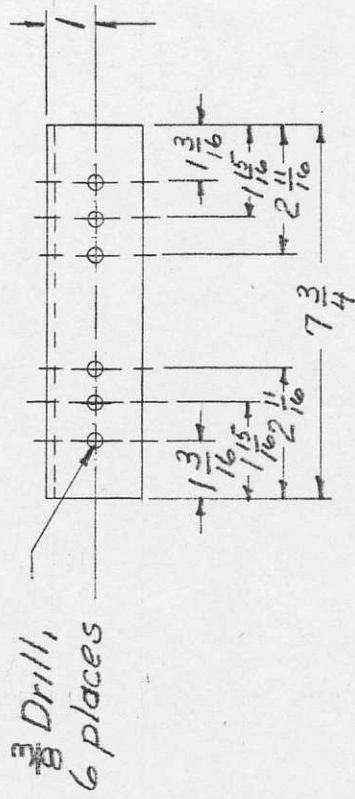
Matl: $2 \times 2 \times \frac{3}{16}$ Angle
Quan. = 4

"D" Seedpan Bracket

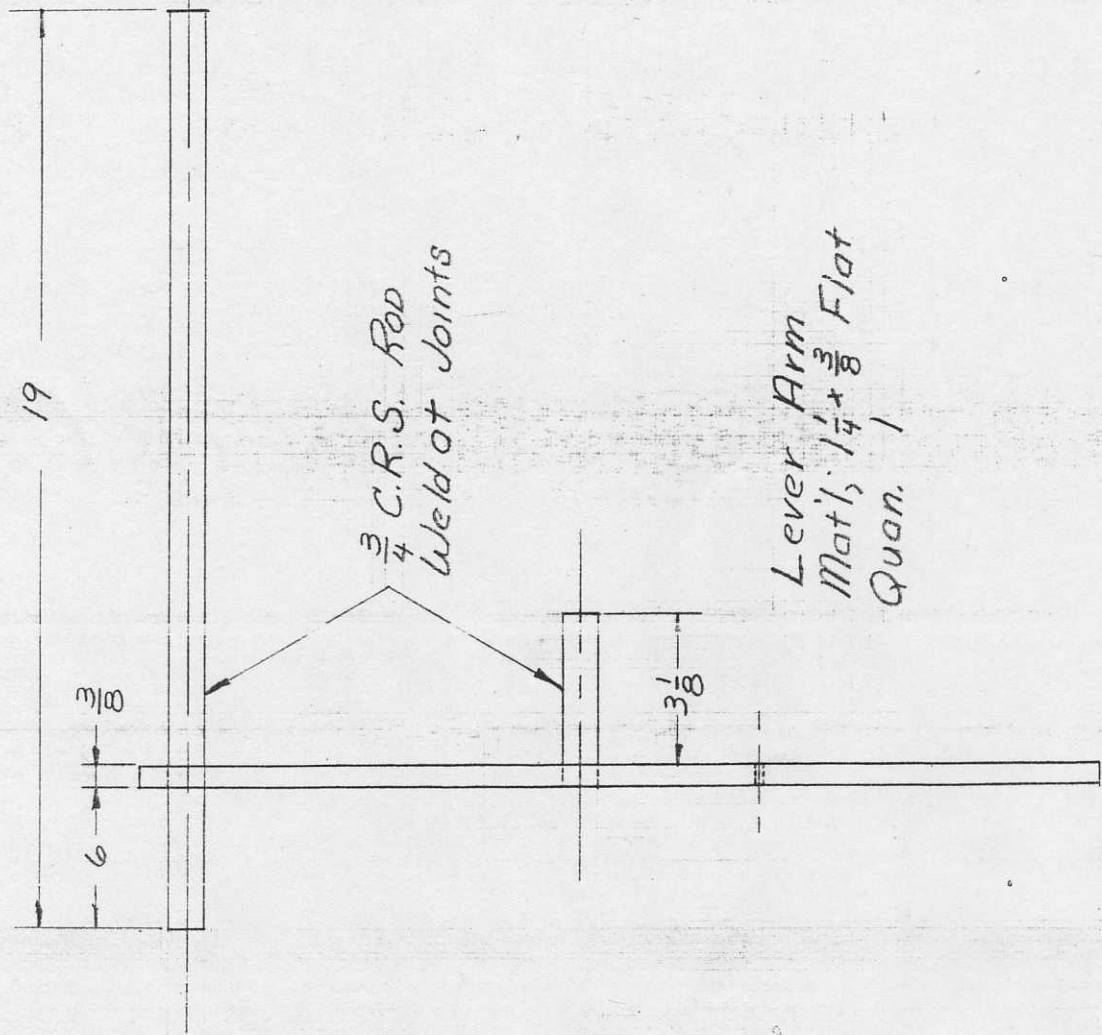
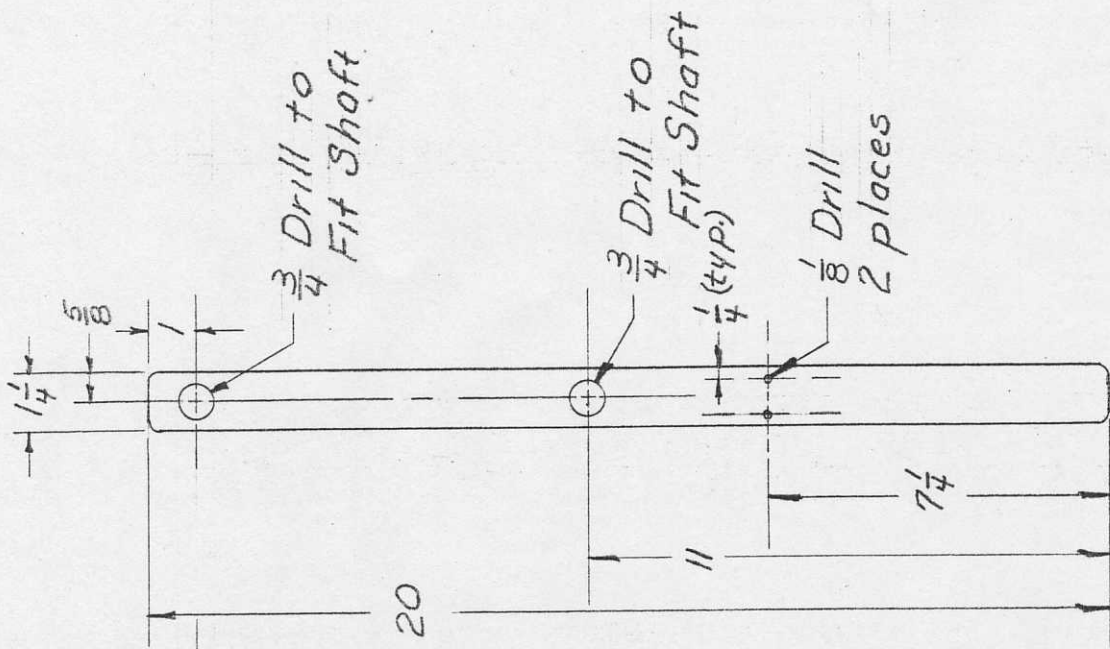


Matl: $2 \times 2 \times \frac{1}{8}$ Angle
Quan: 1

"F" Brng. Mount

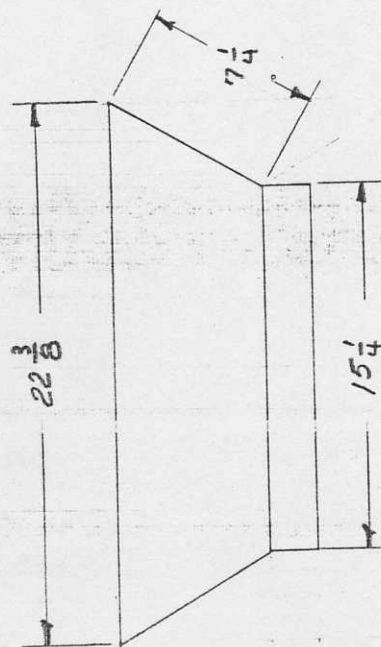
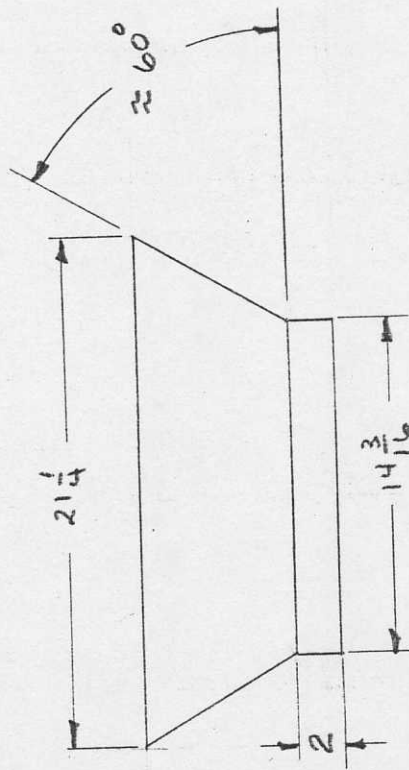
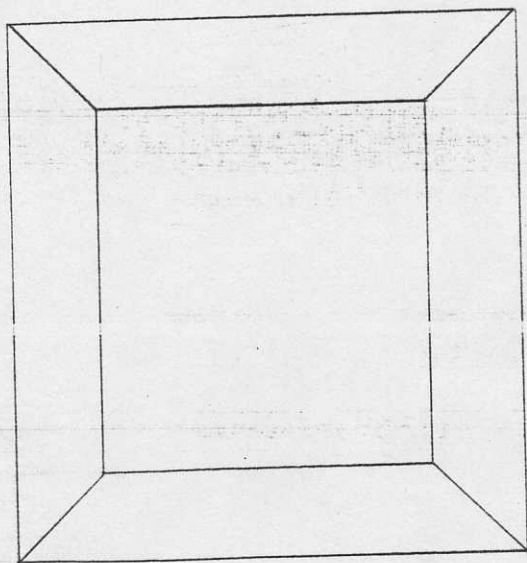


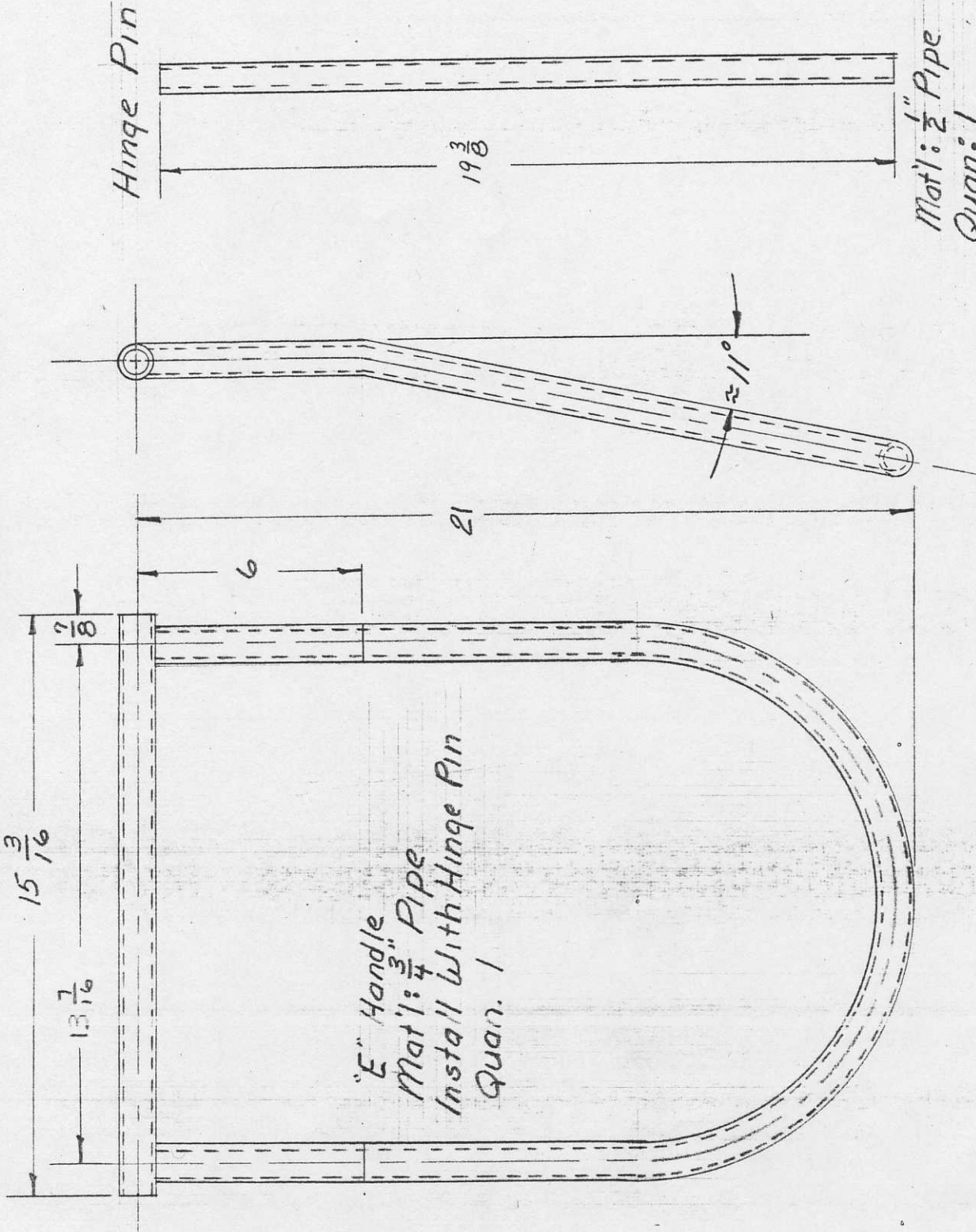
Matl. $2 \times 2 \times \frac{3}{16}$ Angle
Quan. 2



Lever Arm
 Mat'l: $1\frac{1}{4} \times \frac{3}{8}$ Flat
 Quan. 1

Hopper
Mat'l: 16 Ga Stainless
Quan. 1; Weld all Seams

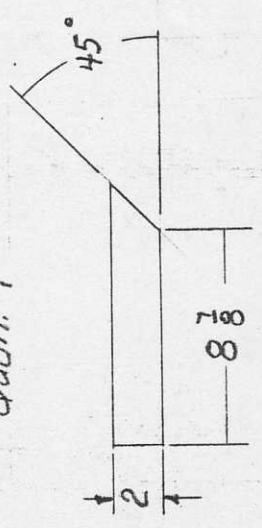
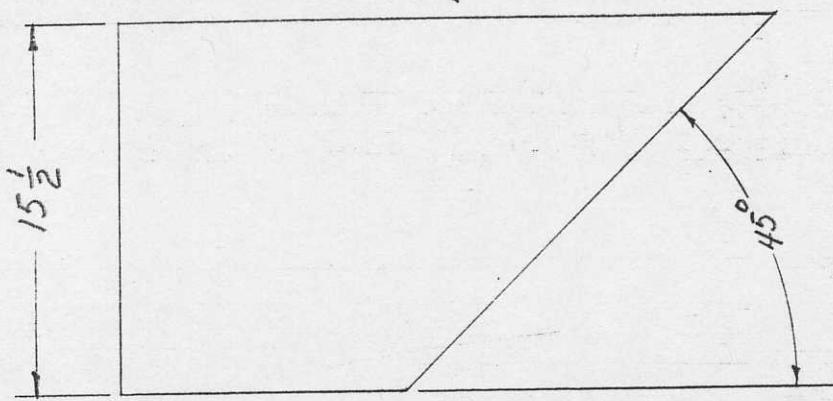
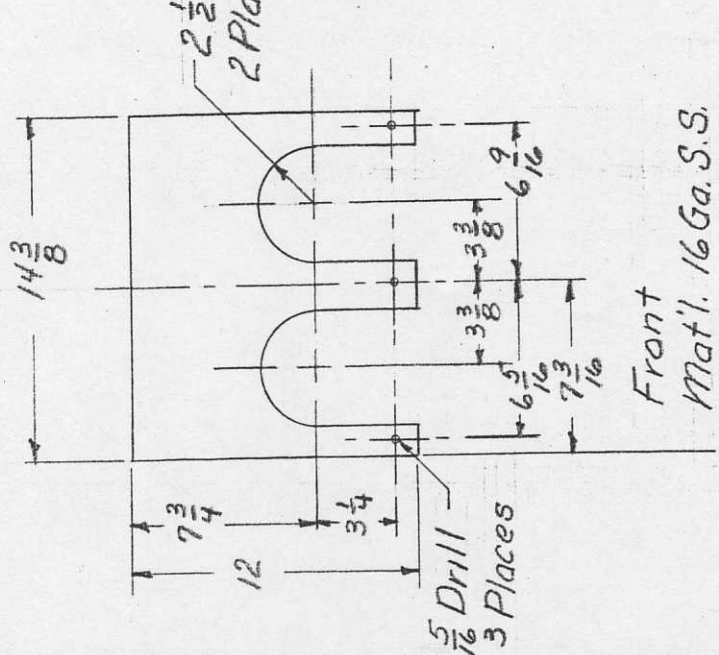
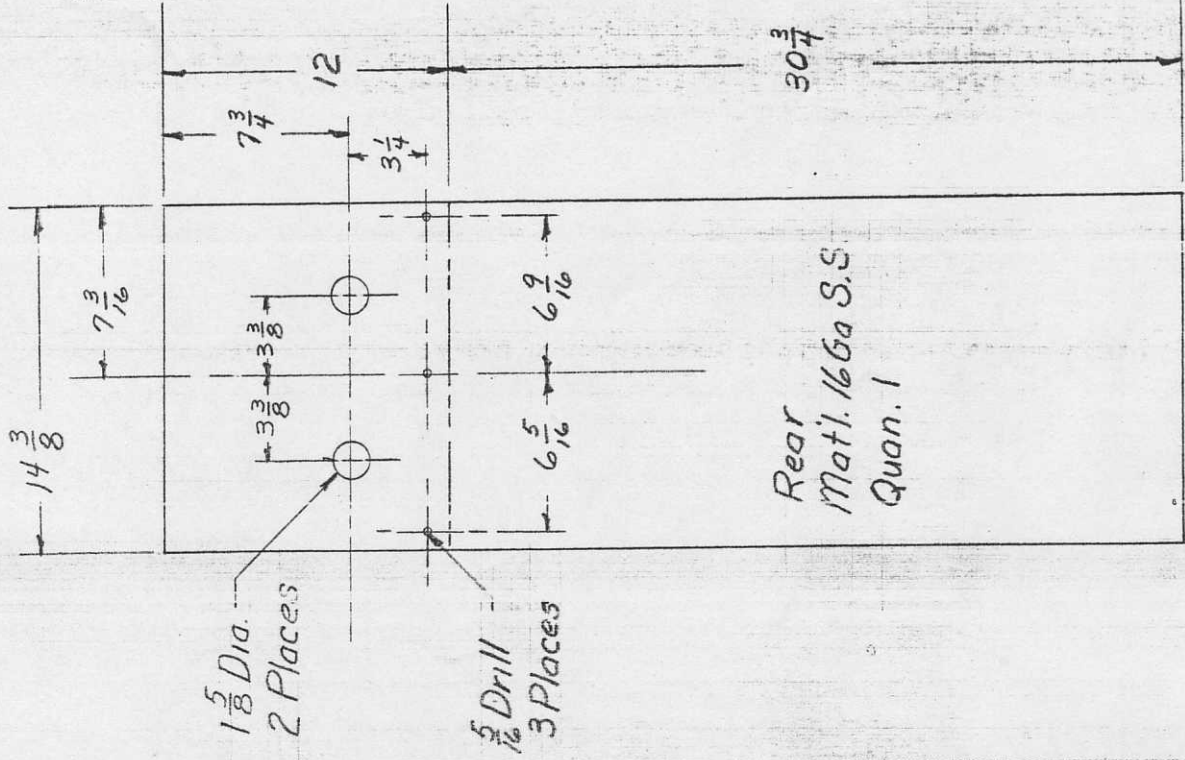




"E" Handle
 Mat'l: $\frac{3}{4}$ " Pipe
 Install With Hinge Pin
 Quan. 1

Mat'l: $\frac{1}{2}$ " Pipe
 Quan: 1

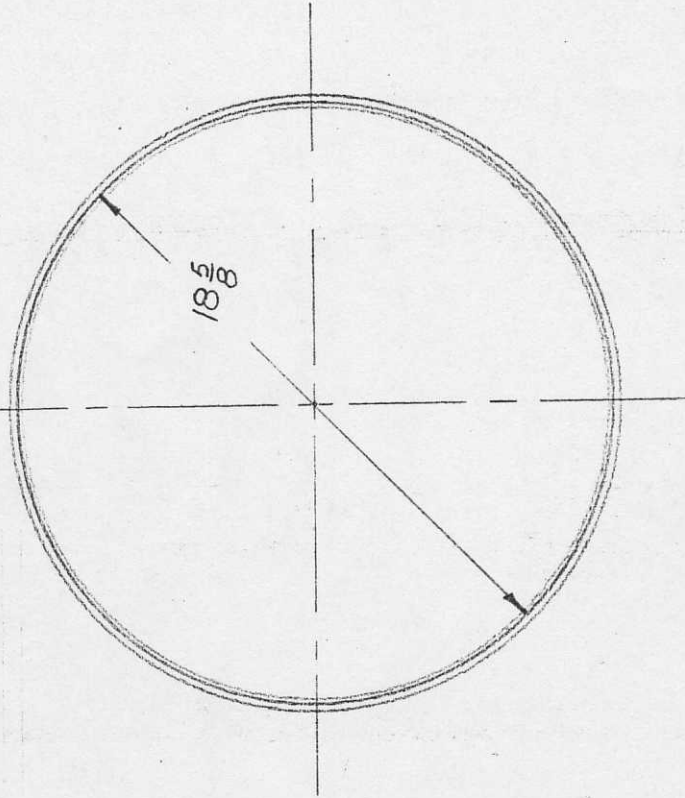
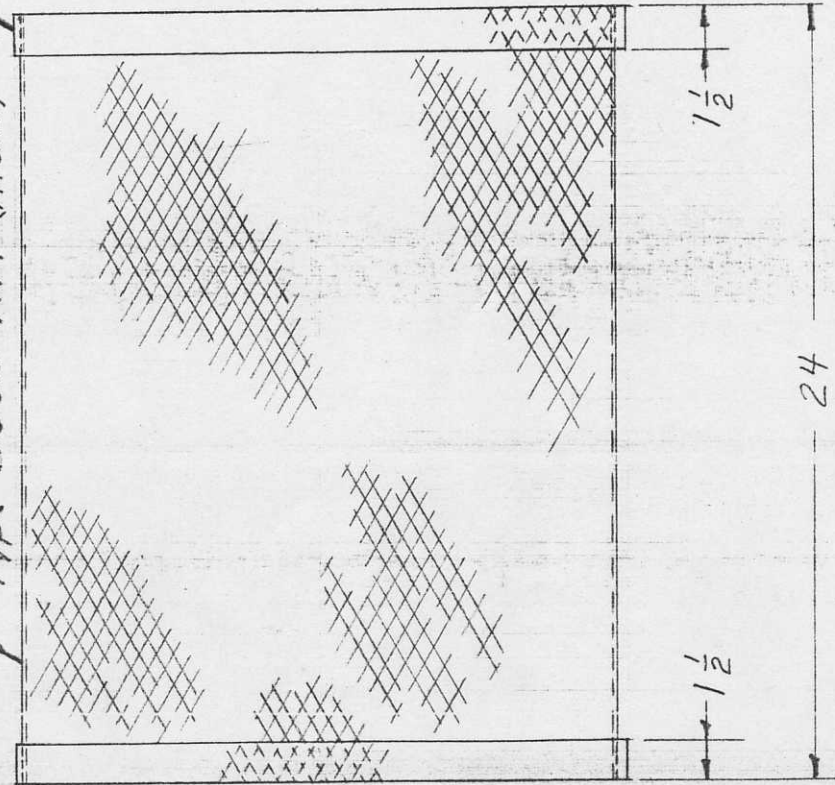
Fasten in Place by Welding



Shroud/ Chute
 16 Ga. Stainless Sheet
 Note: Weld All Joints

Expanded Metal Cyl.
Style: $\frac{3}{4} \times 1\frac{1}{2}$, .081-H,
Expanded, Nonflattened 16 Ga.
Type 3003-H14 (Alum.)

Drive Rings (2)
 $1\frac{1}{2} \times \frac{1}{4}$ Alum. Flat



Pulp/Seed Separator

Note:
Weld All Joints

Main Frame
Side

$15\frac{1}{4}$

1x2 Rect. Tubing

Tab Mat'l: $1\frac{1}{2} \times 3\frac{1}{4} \times \frac{5}{16}$ H.R.F. Flat

$\frac{3}{4}$ Drill

$\frac{1}{2}$ Drill

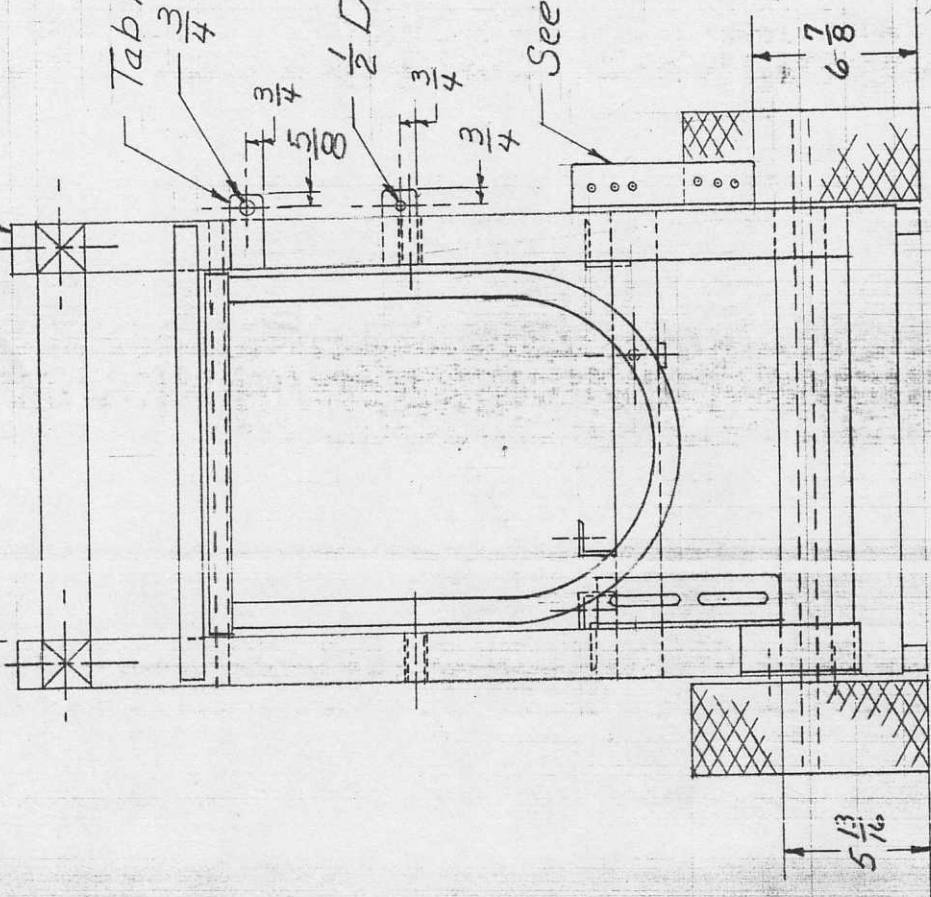
See Detail "E"

Note:

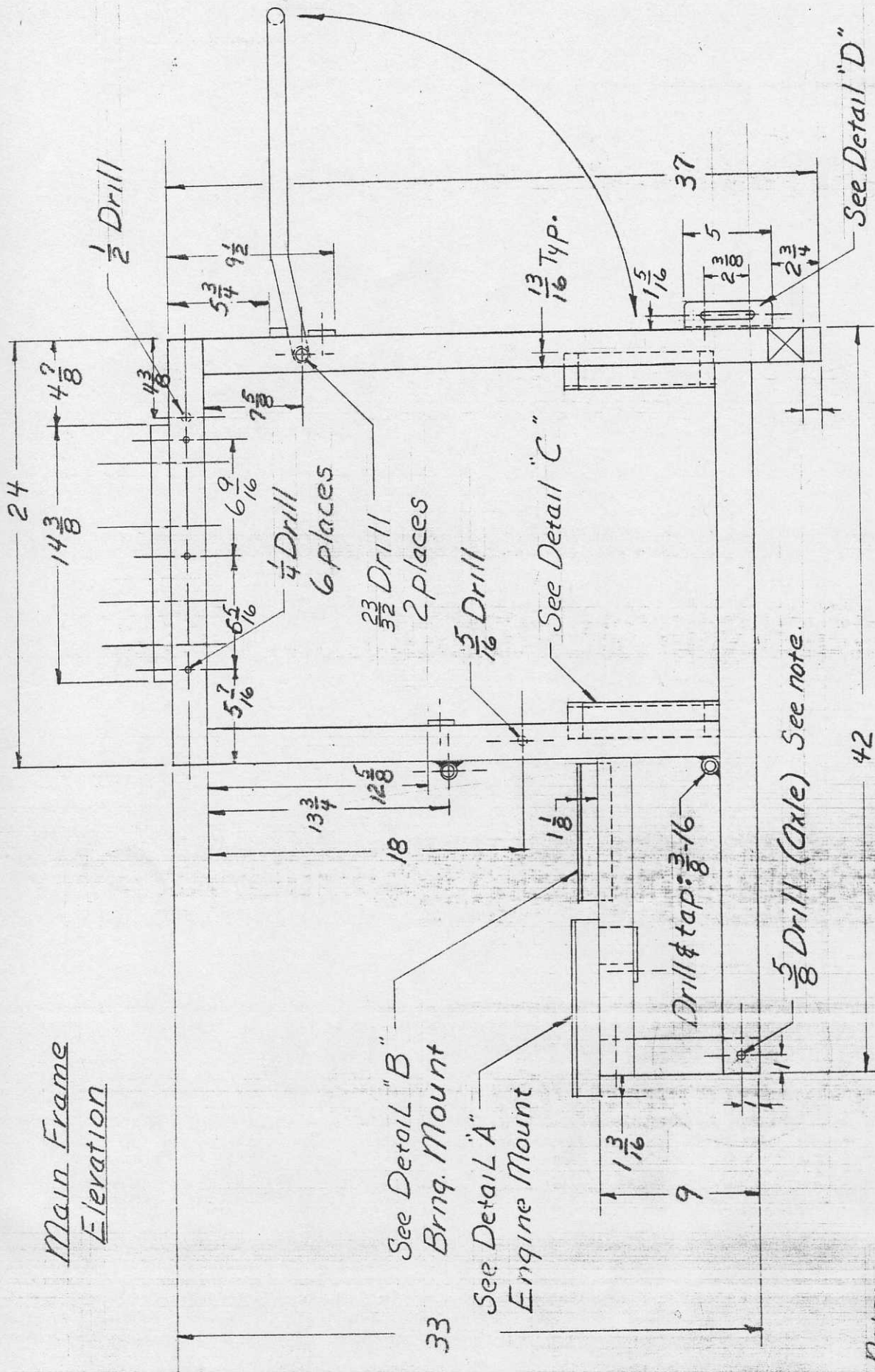
Main Frame Const. Of
 $2 \times 2 \times \frac{1}{8}$ Sq. Tubing Except
As Noted

$6\frac{7}{8}$

$5\frac{13}{16}$



Main Frame
Elevation



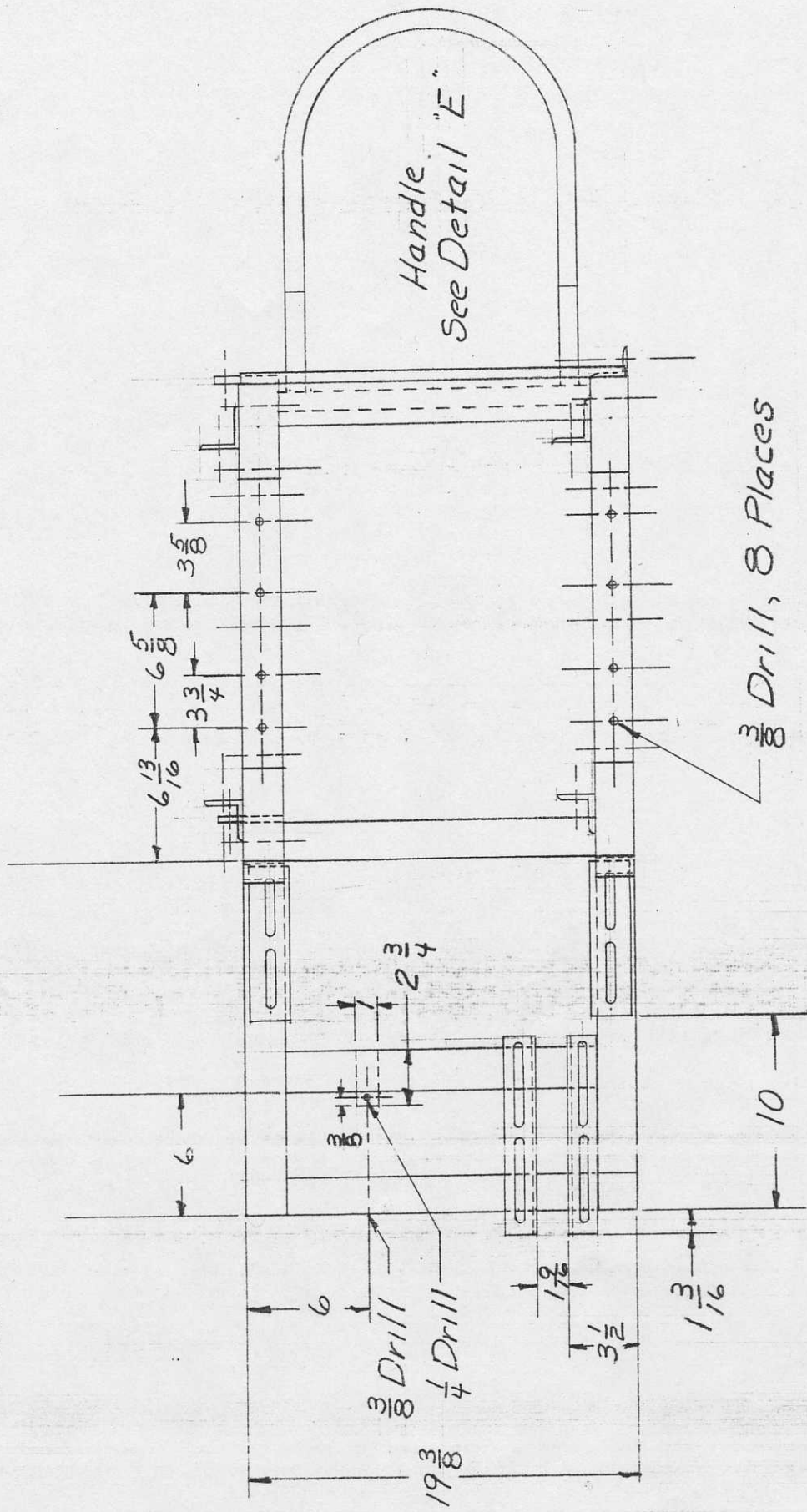
Note:

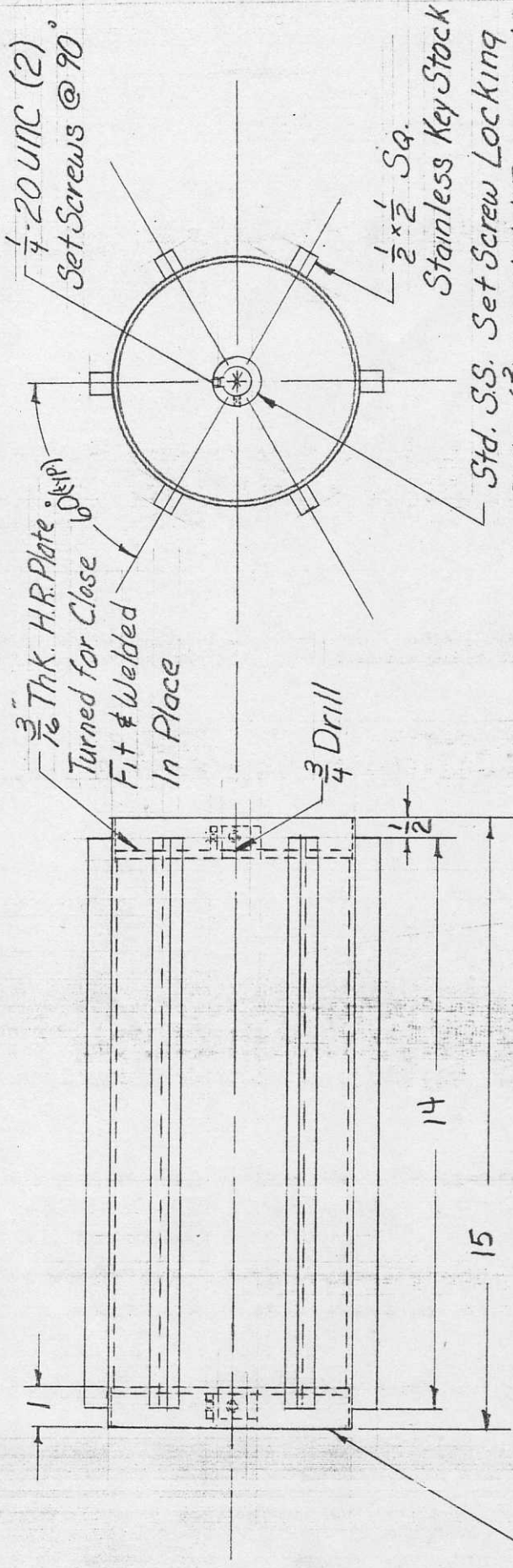
Wheels Used were 4.10/3.50-4.

$\frac{5}{8}$ " dia. C.R.S. Rod used for Axle.

Collars Welded to Frame are $\frac{3}{4}$ " pipe.

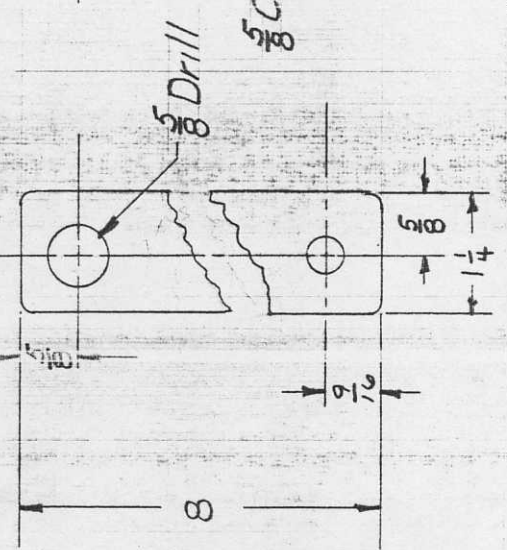
Main Frame
Plan



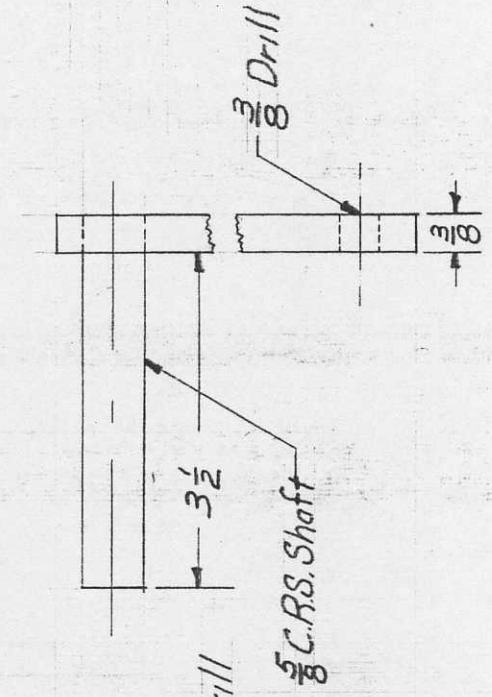


6" O.D. x 1/8" Wall Stainless Tubing. I.D. Tued on ends 1" dp. Plates Turned to fit.

Roller
Mat'l. Stainless
Quan. 2



Idle Adj.
Mat'l. H.R. Flat
Quan. 1



1/4-20 UNC (2)
Set Screws @ 90°

1/2 x 1/2 Sq.
Stainless Key Stock

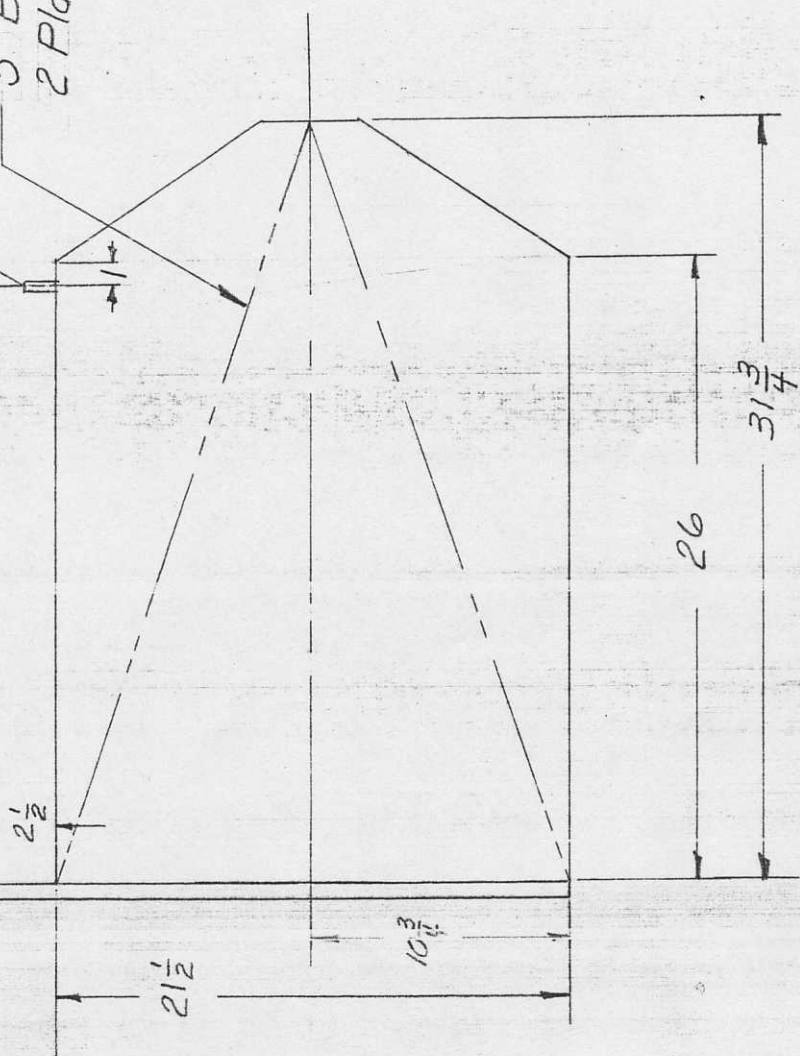
Std. S.S. Set Screw Locking Collar (3/4") Welded & Broached.
Broach For 3/4" Shaft

3/16" Thk. H.R. Plate
Turned for Close
Fit & Welded
In Place

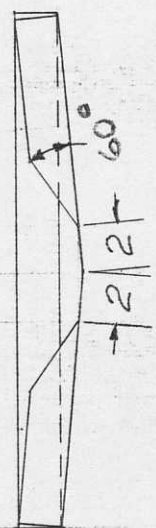
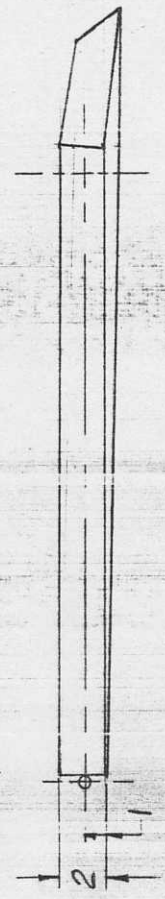
3/4" Drill

$\frac{3}{8}$ -16 UNC
Weld In Place
5° Break
2 Places

$\frac{1}{2}$ H.R. Rod, Weld
In Place



Seed Pan
Mat'l. 16 Ga. Stainless
Quan. 1



CUCUMBER SEED EXTRACTOR - BILL OF MATERIALS

<u>No.</u>	<u>Item</u>	<u>Quantity</u>
1	3/4" pillow block bearing	10
2	3/4 x 1 5/8" ball bearing	2
3	#40-B-18 sprocket idler	3
4	#40-B-24 sprockets, 3/16" keyway, 1/4-20 U.N.C. set screws	3
5	#40-B-10 sprocket, 3/16 keyway, 1/4-20 U.N.C. set screw	1
6	4.95 x 3/4 B-section, V-belt pulley, 3/16 keyway, 1/4-20 U.N.C. set screw	1
7	4.95 x 3/4 B-section, double V-belt pulley, 3/16 keyway, 1/4-20 U.N.C. set screw	1
8	2.0 x 3/4 B-section, V-belt pulley, 3/16 keyway, 1/4-20 U.N.C. set screw	1
9	B-section V-belts, 34"	2
10	Pneumatic wheels, 10" w/5/8" I.D. b'ngs	2
11	Gasoline engine, 3-hp w/6-1 gear reduction	1
12	2" x 1/8" SQ tubing	35'-0"
13	2" x 2" x 3/16" angle iron	4'-0"
14	1 1/2" x 1 1/2" x 3/16" angle iron	1'-8"
15	2" x 2" x 1/8" angle iron	0'-5"
16	1" x 2" x 14 ga. Rect. tubing	2'-5"
17	1 1/2" x 5/16" H.R. flat iron	0'-6 1/2"
18	1" x 3/8" H.R. flat iron	0'-1 3/8"
19	1 1/2" x 1/4" H.R. flat iron	0'-7 1/2"
20	1" x 1/2" H.R. flat iron	1'-7"
21	1 1/4" x 3/8" H.R. flat iron	4'-5"
22	1 1/2" x 1/4" Alum. flat	10'-0"
23	3/4" dia. C.R.S.	14'-6"
24	1 7/8" dia. C.R.S.	0'-2"
25	4/4" dia. Alum. round	0'-6"
26	16 ga. stainless steel	3/4 Sheet
27	3/4" iron pipe	6'-1"
28	1/2" iron pipe	1'-7 3/8"
29	1/2 x 1/2 sq. stainless bar	14'-0"
30	Stainless steel plate - 3/16" thick	1-sq. ft.
31	3/4" set screw locking collar	4
32	5/8" set screw locking collar	3
33	3/4" stainless set screw locking collar	4
34	Stainless steel tubing 6" x 1/8"	2'-6"
35	Expanded metal, 16 ga. alum. style 3/4 x 1 1/2, .081 H., nonflattened. Tyle 3003-H14	
36	1/2-13 U.N.C. Thd. rod	0'-6 3/4"
37	3/8-16 U.N.C. thd. rod	0'-6 5/8"
38	1/2-20 U.N.C. set screw	9
39	Spring - 6 7/8" f.l., 3/32 dia. wire, 2" pitch 3/4" O.D.	1
40	1/2-20 U.N.C. x 2 1/2 rd. hd. slotted bolts & nuts	6
41	3/8-16 U.N.C. x 2" bolts & nuts	4
42	3/8-16 U.N.C. x 4" bolts & nuts	4
43	1/2 x 13 U.N.C. x 4" bolt & nut	1
44	1/2 x 13 U.N.C. x 2 1/2" bolt & nut	1
45	3/8-16 U.N.C. x 4" carriage hd. bolt & nut	8
46	3/8-16 U.N.C. x 1" carriage hd. bolt & nut	12
47	Roller chain, A.N.S.I. #40	10'