



THE GENERAL TIRE & RUBBER COMPANY

CHEMICAL/PLASTICS DIVISION, P. O. BOX 68 • ASHTABULA, OHIO 44004

Xerox to GJM
AKM
GIBHS
JDK
EAP
~~REJ~~

September 4, 1974

Mr. J. T. Barr
Air Products and Chemicals
Five Executive Mall
Swedesford Road
Wayne, Pennsylvania 19087

Dear John:

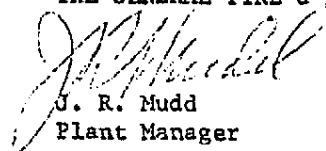
Enclosed is the information requested in your letter of August 19, 1974. I have included a theoretical steam requirement graph prepared by our Research & Development Section. Frankly, I am not sure what the data means. Based on actual studies of our existing dump tanks, we are designing our new system requirements for 1,500 to 2,000 pounds of steam per 10,000 pounds of resin (one batch). I believe the material balance sheet is self-explanatory, however, if you need some assistance in adapting to your operation, Harlan can review with your Calvert City personnel during his visit.

As for your question concerning recovery system pumpdown rate, our actual experience shows that we can compress vapors for our gasholder at the rate of 2,000 pounds per hour. I have not included our computer data because of lack of a report explaining the basis of the data. I will forward at a later date as soon as I can find or rewrite the basis of our program.

I certainly enjoyed your visit and am looking forward to visiting with you in New Orleans.

Sincerely,

THE GENERAL TIRE & RUBBER COMPANY


J. R. Mudd
Plant Manager

JRM/ikb

AP00034713

SEVILLOPACIFIC 45 5213
F. C. S. S. S. DIVISION
F. C. S. S. S. CO.

PPH in PPH

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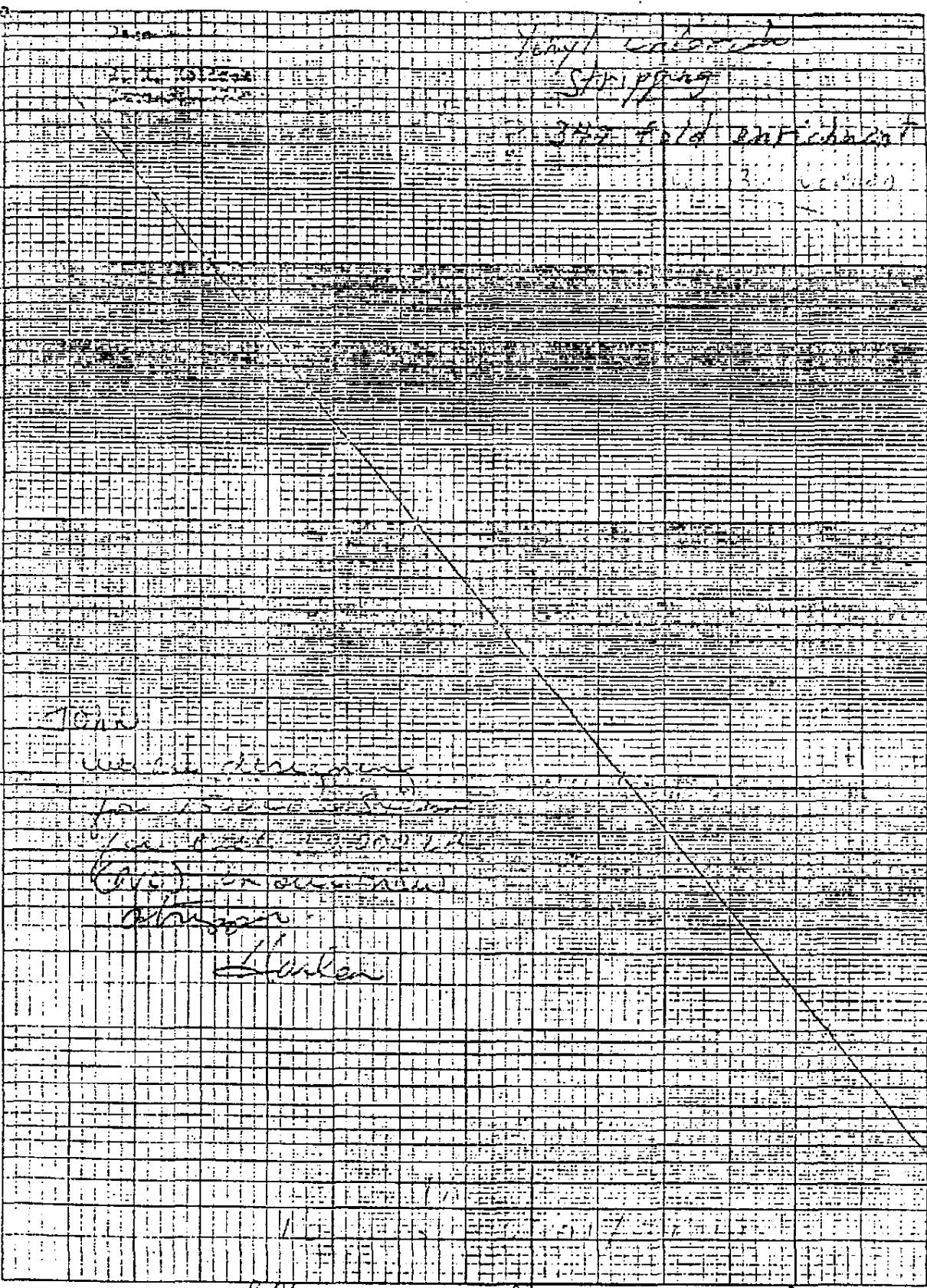
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AP00034714

PVC TO POLYMER	DAY	POLYMER ACCUM.	DAY	PREVIOUS	POLY. ACC.
LWC P.T. & F.P. THEO. 1225# ea.		Reactors & Weigh Scale			
LWC Charged (THEO.)		Blend Tank & Drop Tank			
LWC To Polymer		Receiver			
LWC TO POLYMER (RETR)*		Gasholder			
LS. ACTUAL P.T. & F.P. (RETR)		Twilight Resin Inventory			
POLYMER YIELD	DAY	MONTH	Re-Work Resin		
Storage Tanks			TOTAL		
# Now			POLYMER YIELD	DAY	MONTH
# Previous			PVC TO WAREHOUSE**		
△ CHANGE MONOMER ACCUM.			△ CHANGE POLY. ACCUM		
LWC TO POLYMER			NET PVC PRODUCED		
LWC SHIPPED			PUMP BACK RECOVERY		
# OUT			# OUT		
TANKCAR UNLOADED			LWC TO POLYMER		
PUMP BACK RECOVERY			CONCH. CHARGED		
# IN			# IN		
OUT/IN	%	%	OUT/IN	%	%
(IN - OUT) # LOSS			(IN - OUT) # LOSS		
RECOVERY	DAY	MONTH	OVERALL YIELD	DAY	MONTH
PUMP BACK RECOVERY			NET PVC PRODUCED		
Receiver			△ CHANGE MONOMER ACCUM.		
Gasholder			Silo Adjustment		XXXXXX
Total Actual Recovery			# OUT		
Total Lb. Theo. Recovery			TANKCAR UNLOADED		
Does not enter in the yield calculation Monomer Recovery Ratio To Theoretical Recovery Ratio			LWC SHIPPED + CONCH. CHARGED		
			# IN		
			(IN - OUT) # LOSS		
			Day Silo Adjustment		

Handwritten: Polymer Efficiency

Handwritten: Overall Total in Total out

Handwritten: 920%

*Value Used For Yield
**Does Not Include Silo Adj.
10/20/72

PT = Pressure Test FF = Full Flush

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DELUMPER

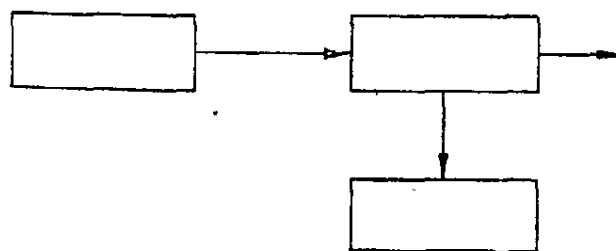
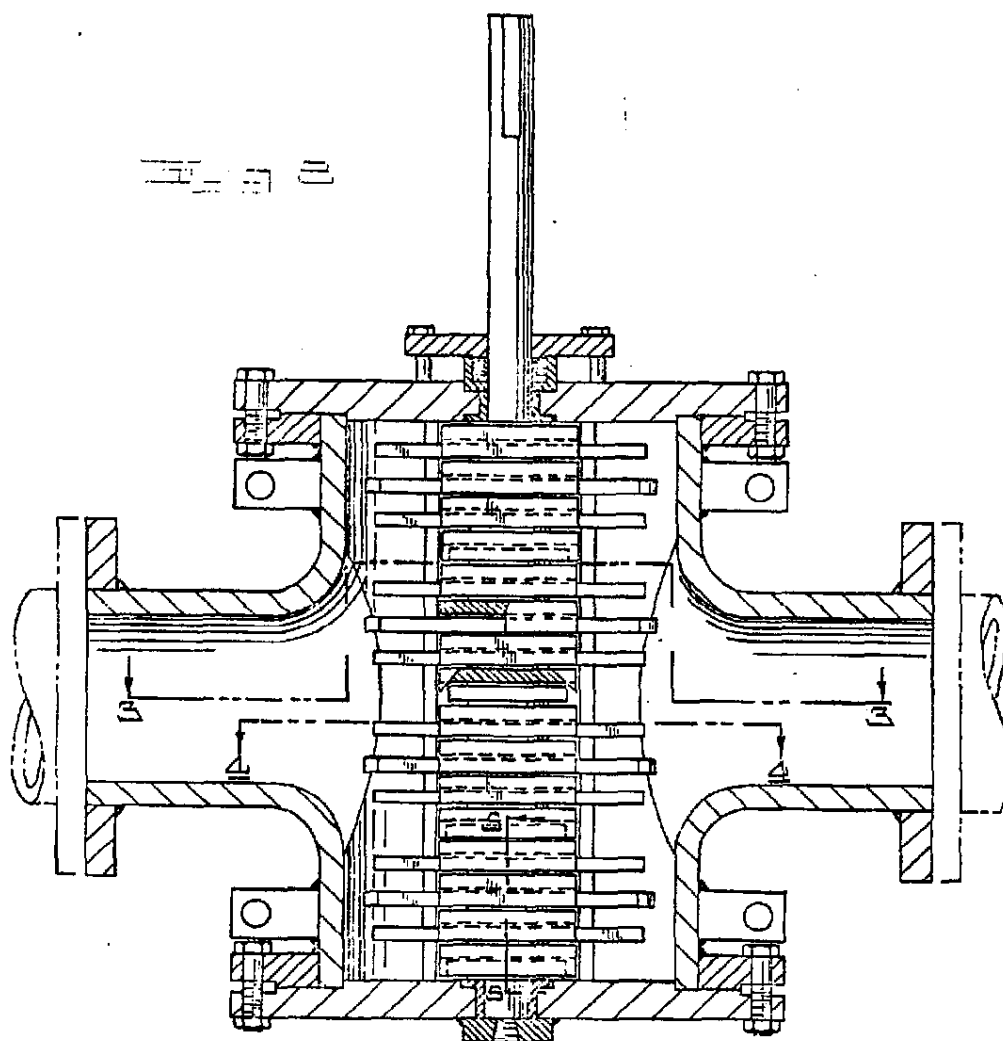
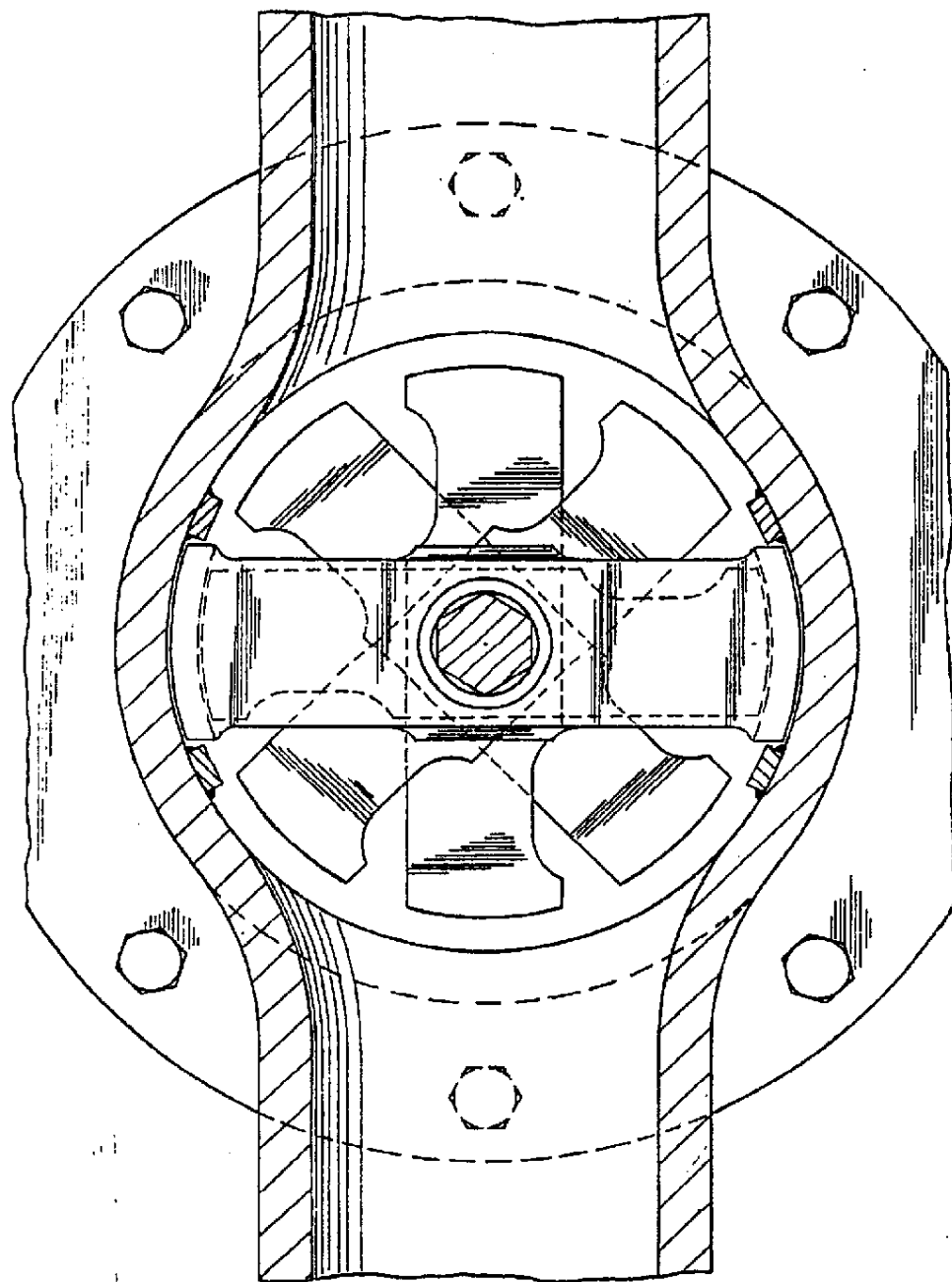


Fig 1

AP00034716

1000-1000-000
Sheet 1 of 3



AP00034717

FIG. 1
FIG. 2
FIG. 3

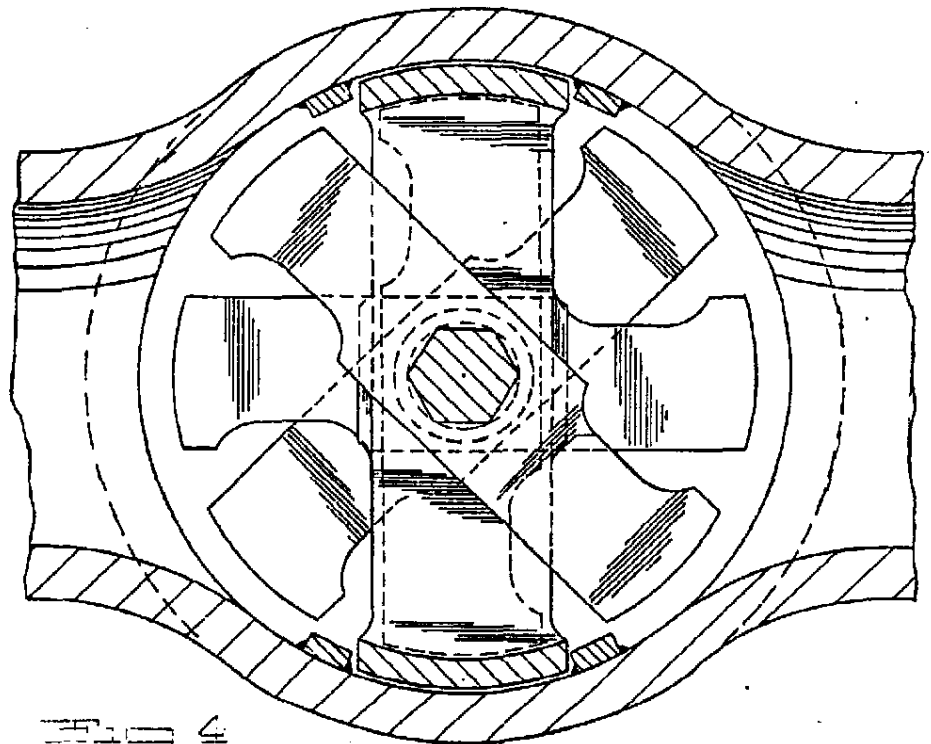


FIG. 4

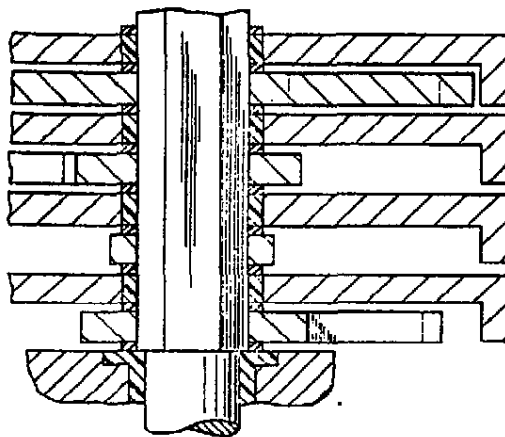


FIG. 5

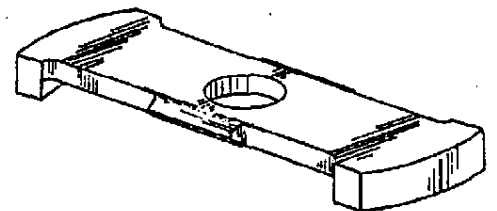


FIG. 6

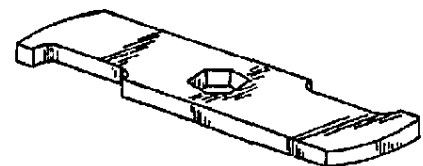


FIG. 7

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