Forged St. Cut Teeth
MOTOR Pinion, 20T, 5" PD -4 DP -3½" F Bore 1 1/16" and K.S. 3/8" wide x 1/16" deep.
900 R.P.M.
Flywheel-Pulley 34x8½" C.R.D.B. Wt. 526#
Ex. H.R.P.B.
Adjustable Ecc. 474-79
Ex. H.R.P.B. Backing 2¼" Base ¾" Thick Bolts ⅞" ϕ
Feeder Eccentric Shaft 70.6 R.P.M.
One Req'd.
CUT SPUR GEAR
72T-18" PD-4DP-3" F
C.I. Cut Teeth
C.I. SPUR PINION
15T-14" P-6.01 PD-3¼" F
Backing 2¼ Base ¾ Thick Bolts ⅞" ϕ
R.O.P.B.
2nd Countershaft One Req'd. 264 R.P.M.
Sprkt-5T-3¼" PD #623
Spurgear 87T-1½" P-48.47 PD-5½" F
Backing 3¼ Base 1¼ Thick Bolts 1" ϕ
Head-Shaft For Feeder and Car Haul
43 R.P.M. 8.7 R.P.M.
2 Req'd.
C.I. SPUR PINION
13T-1½" P-6.27 PD
4¼" F
C.I. SPUR GEAR
60T-1½" P-23.88 PD-3" F
Backing 2¼ Base 1¼ Thick Bolts ⅞" ϕ
1st Countershaft One Req'd. 66 R.P.M.
Spur Gear-75T-1½" P-35.82 PD-4" F
Spur Pinion-16T-1½" P-8.97 PD-6" F
First Counter-Shaft 47 R.P.M.
Car Haul
#10 HILLIARD FRICTION
Spur Pinion 15T-1½" P-7.22 PD-4¼" F
Backing 2¼ Base 1¼ Thick Bolts ⅞" ϕ
Second Counter Shaft 23.7 R.P.M.
Car Haul
Ex. H.R.P.B.
Backing 2½ Base 1¼ Thick Bolts ⅞" ϕ
C.I. SPUR GEAR
70T-1½" P-37.25 PD-4" F
5T 26¼ PD #588 Sprkts.
One Req'd. 11 R.P.M.
Head-Shaft Refuse Conv'r.
Spur Gear-75T-1½" P-35.82-PD-4" F
Spur Pinion 13T-1½" P
7.31 PD-6¼" F
Feeder-First Counter Shaft 24 R.P.M.
Spr'kt-5T-3¼" PD #623
#31 Sprkt 12T 1½ PD
Backing 3¼ Base 1¼ Thick Bolts ⅞" ϕ
Ex. H.R.P.B.
Adj. Ecc. 474-102
Flywheel-Pulley 58x8 C.F.D.B. Wt. 1200#
9'-1" - 3 1/16" dia.
Boom Eccentric Shaft 110 R.P.M.
One Req'd.
5T-26¼ PD #588 Sprkts.
Style 'D' (heavy) Take-up 15" adj.
Loose
Backing 3¼ Base 1" Thick Bolts ⅞" ϕ
Refuse Conv'r Take-Up Shaft
One Req'd.
16T 17¼ PD #131 Sprkts.
24T 23½ PD #131 Sprkts.
Backing 2¼ Base 1¼ Thick Bolts ⅞" ϕ
Counter Shaft
55 R.P.M.
One Req'd.
DBC P. Pulley filled with #10½ HILLIARD - FRICTION - CLUTCH
SPUR - PINION
13T-6.27 PD-4¼" F-1½" P
Feeder-Second Counter Shaft 14.7 R.P.M.
¼" CUT STEEL WASHER
¾" OIL HOLES
5 ROLLERS SK. 474-R
ROLLERS TOBE LOOSE
SUPPORTING BRACKET SKETCH 474-BQ
GREASE CUP BOWETT #1
5 COLLAR
ROLLER SHAFT
1 REQ'D.
CROSS HEAD 474-79
SOLID BOX SEE DETAIL
FEEDER SHAFT
1 REQ'D.
Style 'D' - Long Adj. Take-Ups
Foot Shaft For Feeder and Car Haul
Two Req'd.
Backing 4" Base ¾" Thick Bolts ⅞" ϕ
SPLIT
10 REQ'D.
HOLES FOR ⅞" BOLTS
SPECIAL SOLID BOX FOR CROSS HEAD SHAFT
1 REQ'D.
ROBERTS AND SCHAEFER CO.
CHICAGO
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ENGINEERS AND CONTRACTORS
CHICAGO, U.S.A.
MACHINERY DETAILS
FOR
SHAWMUT MINING CO.
AT
ST. MARYS PA.
Drawn by Luhr
Traced by
Checked by
Directed by
Approved by
Scale
Date 7-7-17
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