INSTRUCTION MANUAL

HI-CAPACITY

MIX-MILL, INC.
BLUFFTON, INDIANA, U.S.A.

A-4677

MIX-MILL®

AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON INDIANA

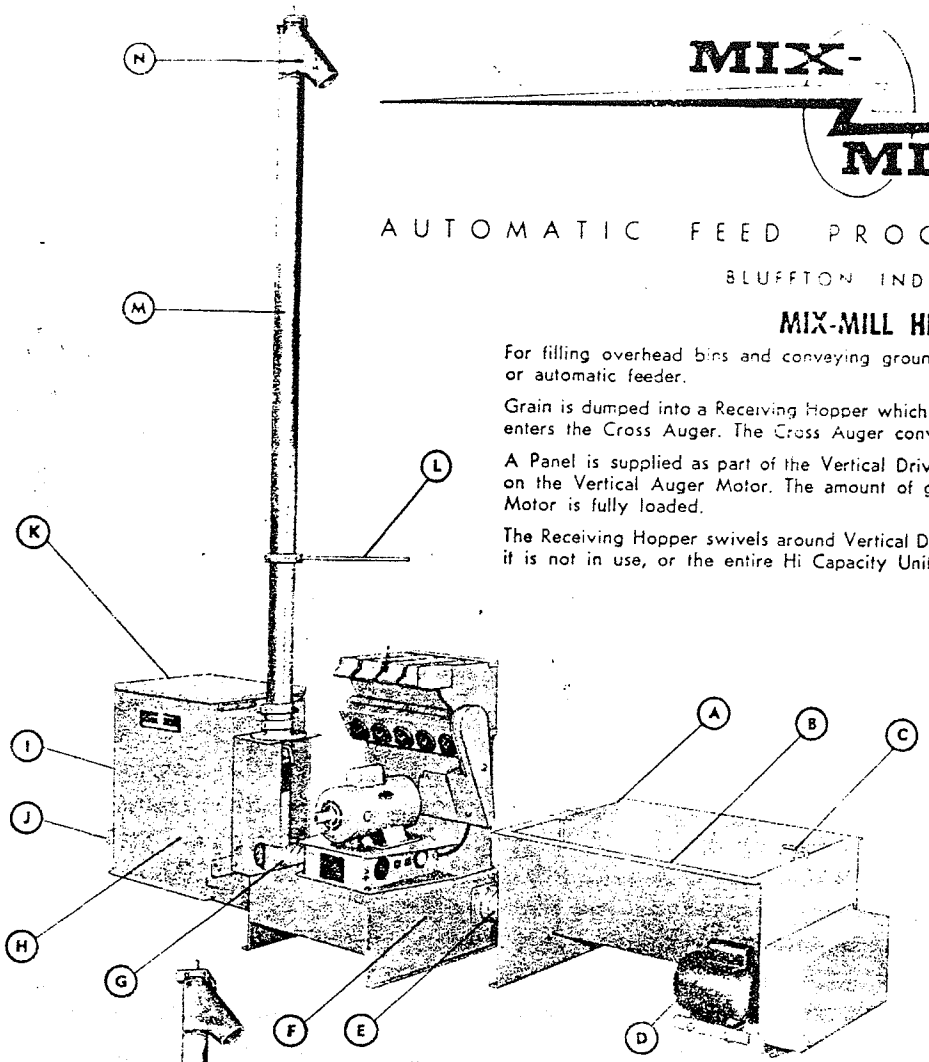
MIX-MILL HI CAPACITY AUGER SYSTEMS

For filling overhead bins and conveying ground feed from a Mix-Mill to an overhead holding bin, auger wagon or automatic feeder.

Grain is dumped into a Receiving Hopper which is equipped with a Valve which controls the amount of material which enters the Cross Auger. The Cross Auger conveys the grain to the Force Fed Tee and then to the Vertical Auger.

A Panel is supplied as part of the Vertical Drive Unit on which is mounted a Load Meter which indicates the load on the Vertical Auger Motor. The amount of grain entering the Cross Auger is increased until the Vertical Auger Motor is fully loaded.

The Receiving Hopper swivels around Vertical Drive Unit so that the Hopper can be swung to the driveway wall when it is not in use, or the entire Hi Capacity Unit can be installed in a pit so that it can be driven over.



3½" MODEL M602A1

A. GRAIN HOPPER:
24"x36", constructed of welded 12 gauge steel. Contains Cross Auger and Adjustable Grain Entrance Valve. Six and 9 ft. long hoppers are available.

B. GRAIN VALVE:
Not shown, located at the bottom and extends the entire length of the Grain Hopper. Regulates the amount of grain entering the Cross Auger.

C. GRAIN VALVE ADJUSTING HANDLE:
The Grain Valve is set by turning the Adjusting Handle so that the Vertical Auger Motor is fully loaded as shown on the Load Meter mounted on the Panel inside the Drive Unit.

D. CROSS AUGER MOTOR:
Totally enclosed, fan cooled, dust tight, ball bearing with built in overload protection; ½ HP to 1 HP (see capacity chart below).

E. CROSS AUGER:
Heavy duty 3½", extends thru the Grain Hopper and Mill Base to the Force Fed Tee.

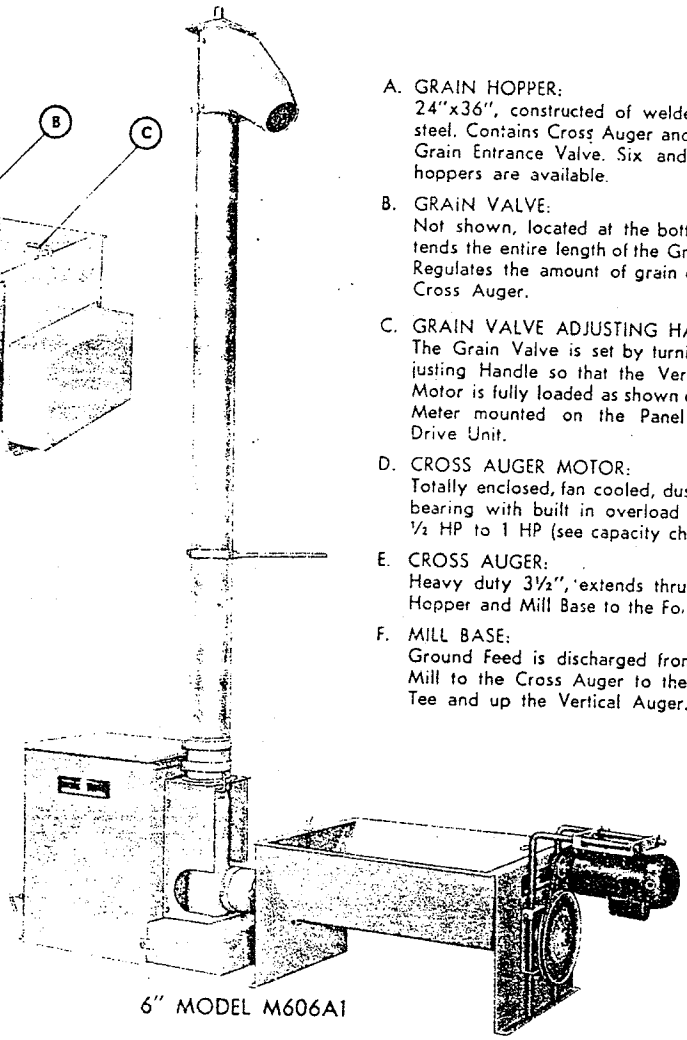
F. MILL BASE:
Ground Feed is discharged from the Mix-Mill to the Cross Auger to the Force Fed Tee and up the Vertical Auger.

G. FORCE FED TEE:
Grain or Feed from the Cross Auger is fed into the Vertical Auger at the Force Fed Tee.

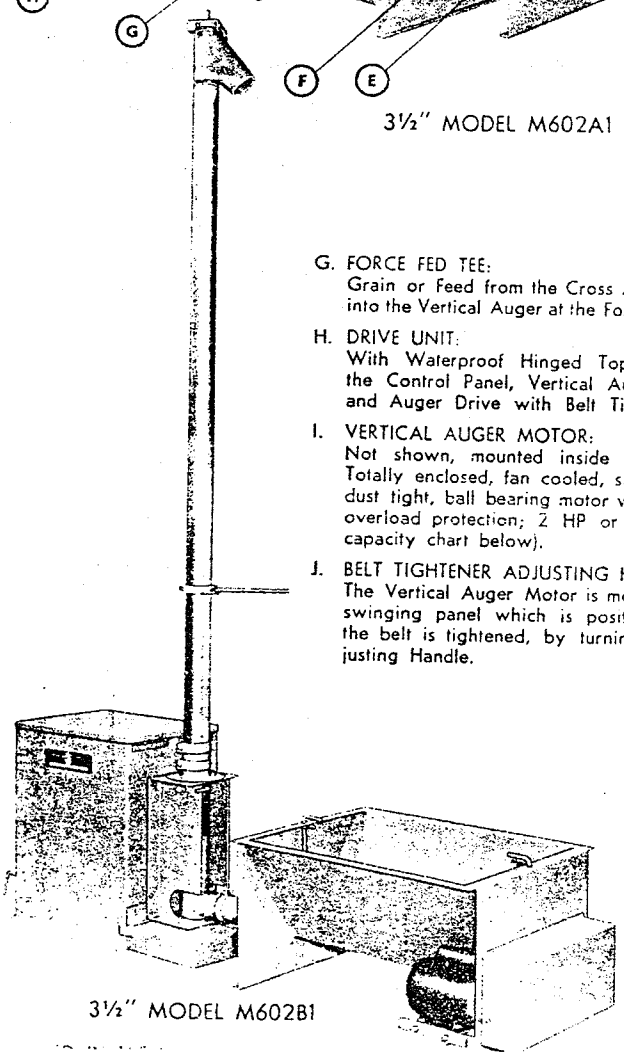
H. DRIVE UNIT:
With Waterproof Hinged Top. Contains the Control Panel, Vertical Auger Motor and Auger Drive with Belt Tightener.

I. VERTICAL AUGER MOTOR:
Not shown, mounted inside Drive Unit. Totally enclosed, fan cooled, single phase, dust tight, ball bearing motor with built in overload protection; 2 HP or 3 HP (see capacity chart below).

J. BELT TIGHTENER ADJUSTING HANDLE:
The Vertical Auger Motor is mounted on a swinging panel which is positioned, and the belt is tightened, by turning the Adjusting Handle.



6" MODEL M606A1



3½" MODEL M602B1

K. CONTROL PANEL:
Not shown, mounted inside Vertical Drive Unit. Equipped with Timer which controls the length of time of operation of the complete system; Load Meter, which indicates the loading of the Vertical Auger Motor; two Auto-Off-Manual Switches, one for controlling the Cross Auger Motor and one for controlling Vertical Auger Motor.

L. TURNING HANDLE.
Bin to be filled is selected by rotating the Vertical Auger with the Turning Handle.

M. VERTICAL AUGER.
Driven by the Vertical Auger Motor mounted inside the drive unit. Heavy Duty with sealed, prelubricated ball bearings.

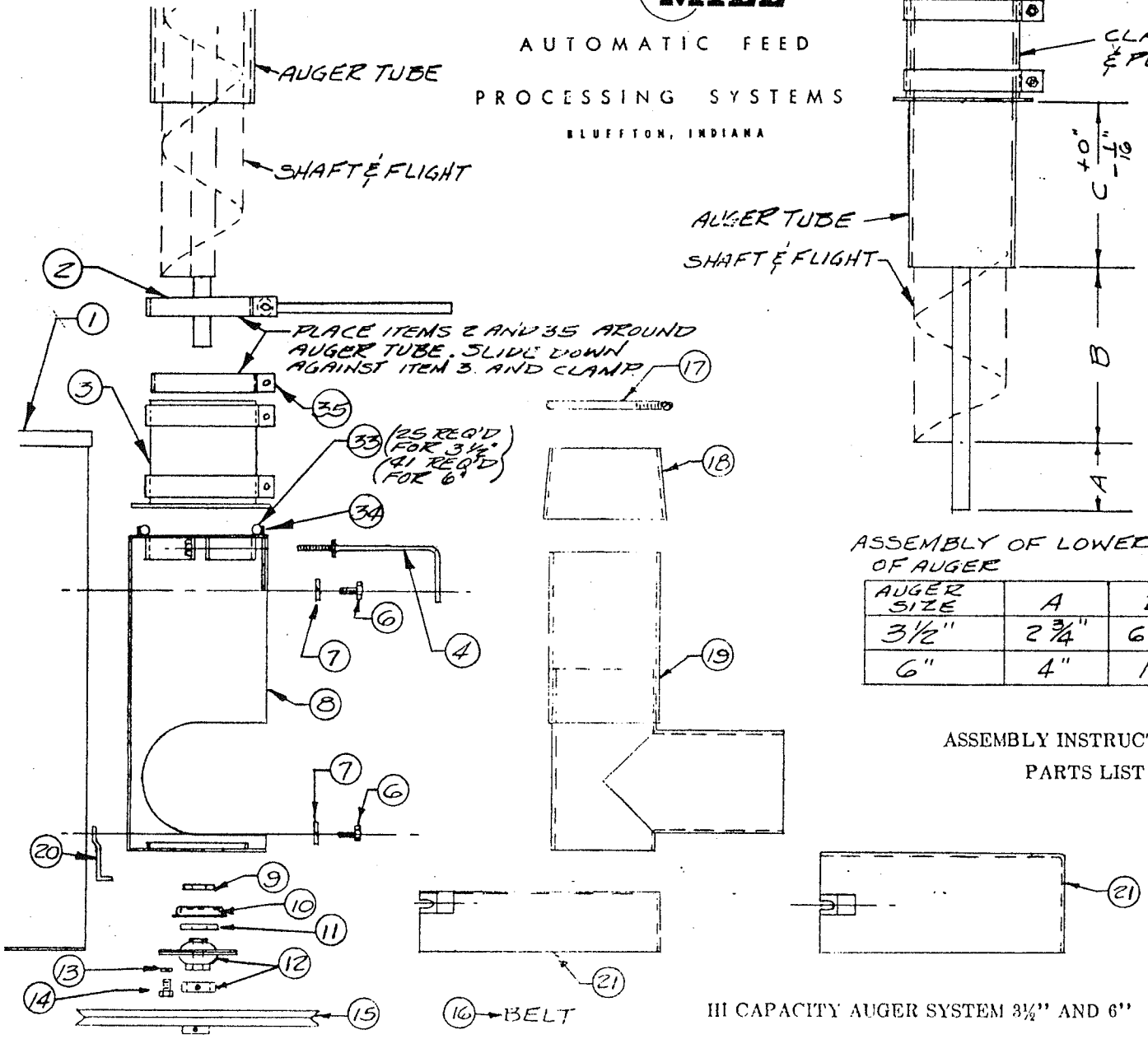
N. OUTLET SPOUT.
Distributes Grain or Ground Feed into different bins. A Six Way Distributing Head and an Outlet Spout with Grain Switch may be ordered separately. The Grain Switch can be used to shut down the entire system automatically when a bin is full.

MIX MILL®

AUTOMATIC FEED

PROCESSING SYSTEMS

BLUFFTON, INDIANA



ASSEMBLY OF LOWER END OF AUGER

AUGER SIZE	A	B	C
3½"	2¾"	6¾"	13⅜"
6"	4"	10"	10"

ASSEMBLY INSTRUCTIONS AND PARTS LIST

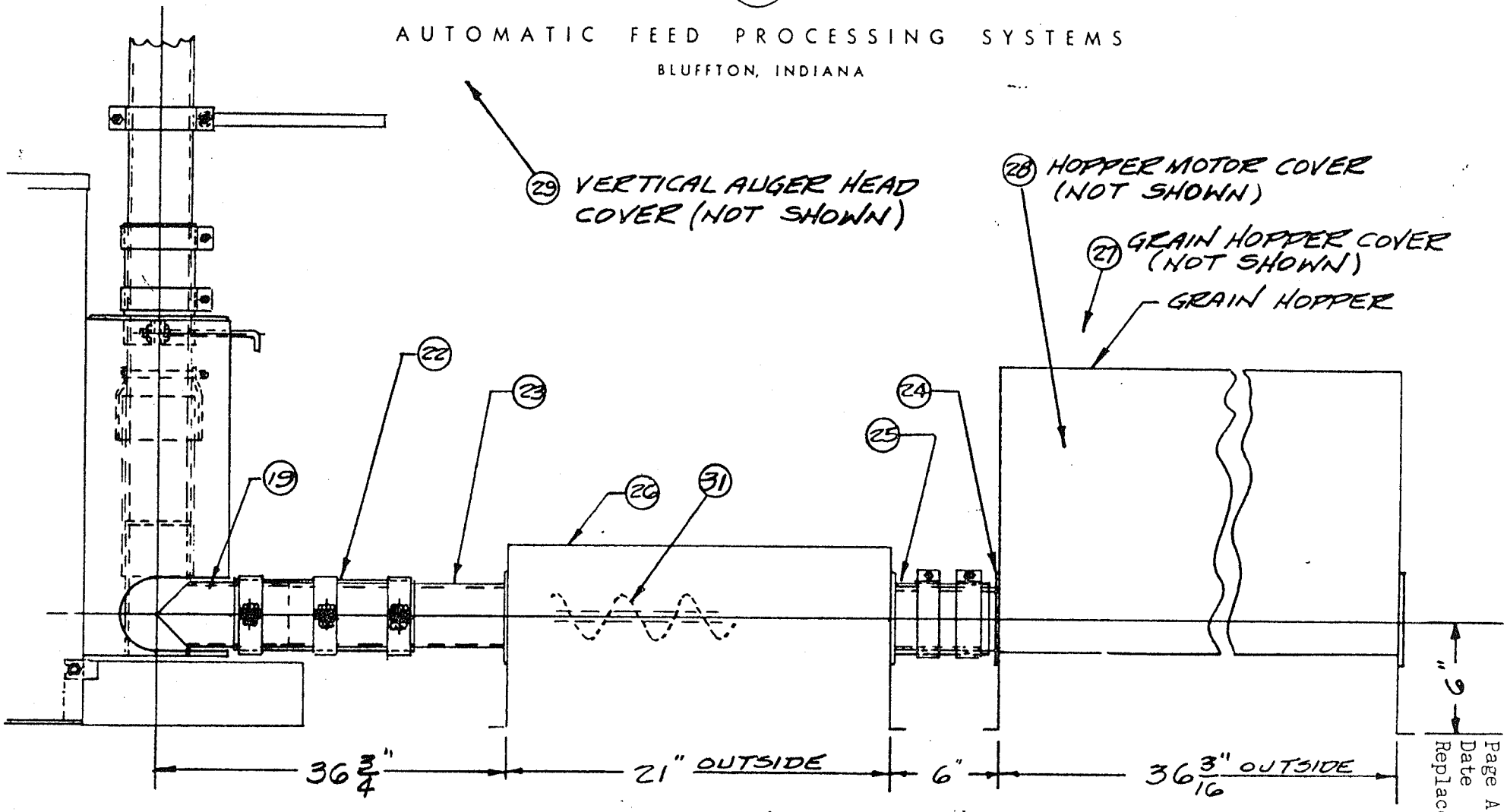
III CAPACITY AUGER SYSTEM 3½" AND 6"

Page 20.400
Date 10 Oct. 1963
Replaces 5 Mar. 1963
Engr. Dwg. A3372 Pg. 1

MIX-MILL®

AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON, INDIANA



ASSEMBLY INSTRUCTIONS AND PARTS LIST

HI CAPACITY AUGER SYSTEM 3½"

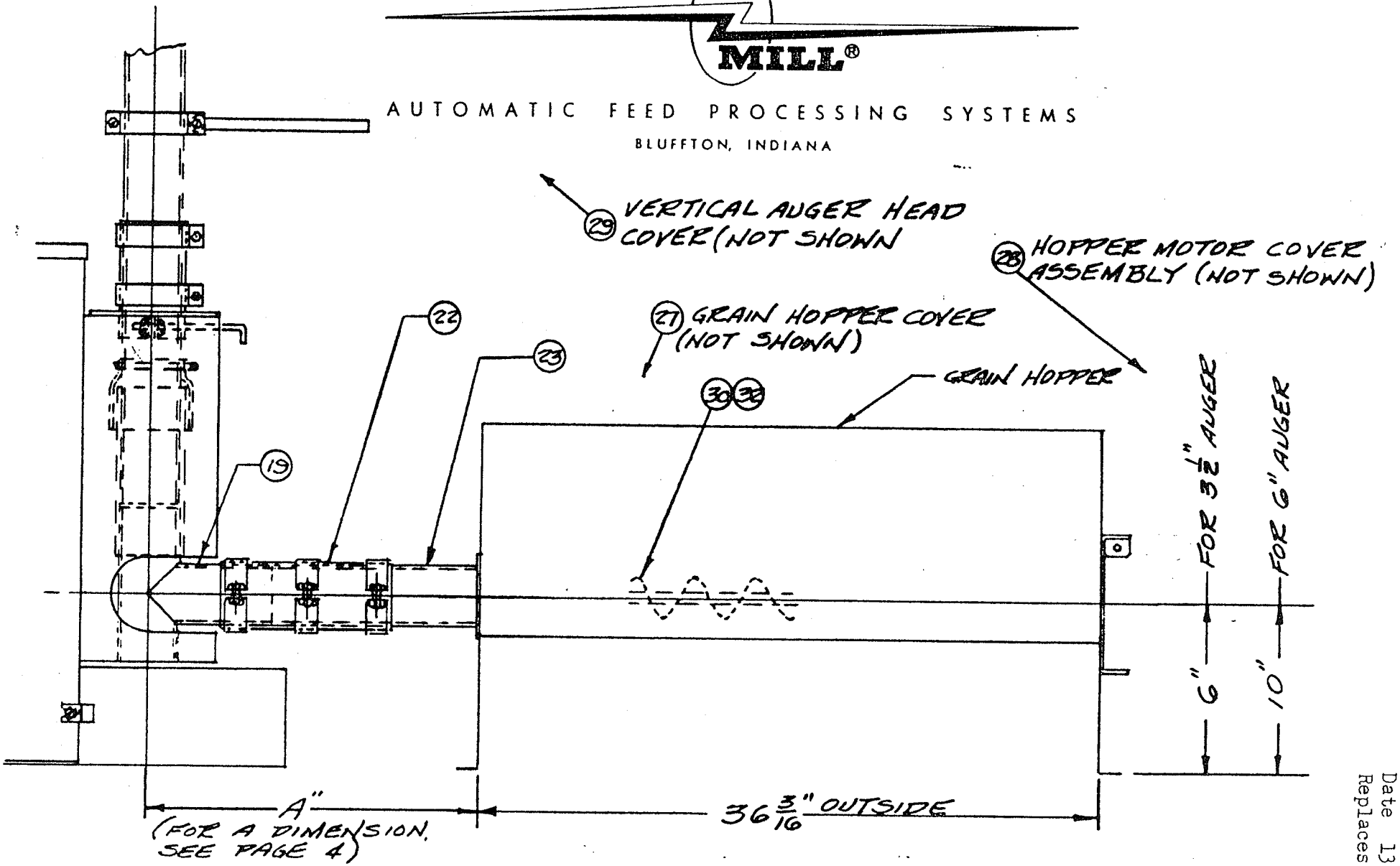
PRINTED IN U.S.A.

Page A20.402
Date 13 Aug. 1964
Replaces Pg.2 3372-

MIX-MILL®

AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON, INDIANA



ASSEMBLY INSTRUCTIONS AND PARTS LIST

HI CAPACITY AUGER SYSTEM 3½" AND 6"

PRINTED IN U.S.A.

Page A20.404
Date 13 Aug. 1964
Replaces Pg.3 3372-1

MIX MILL®

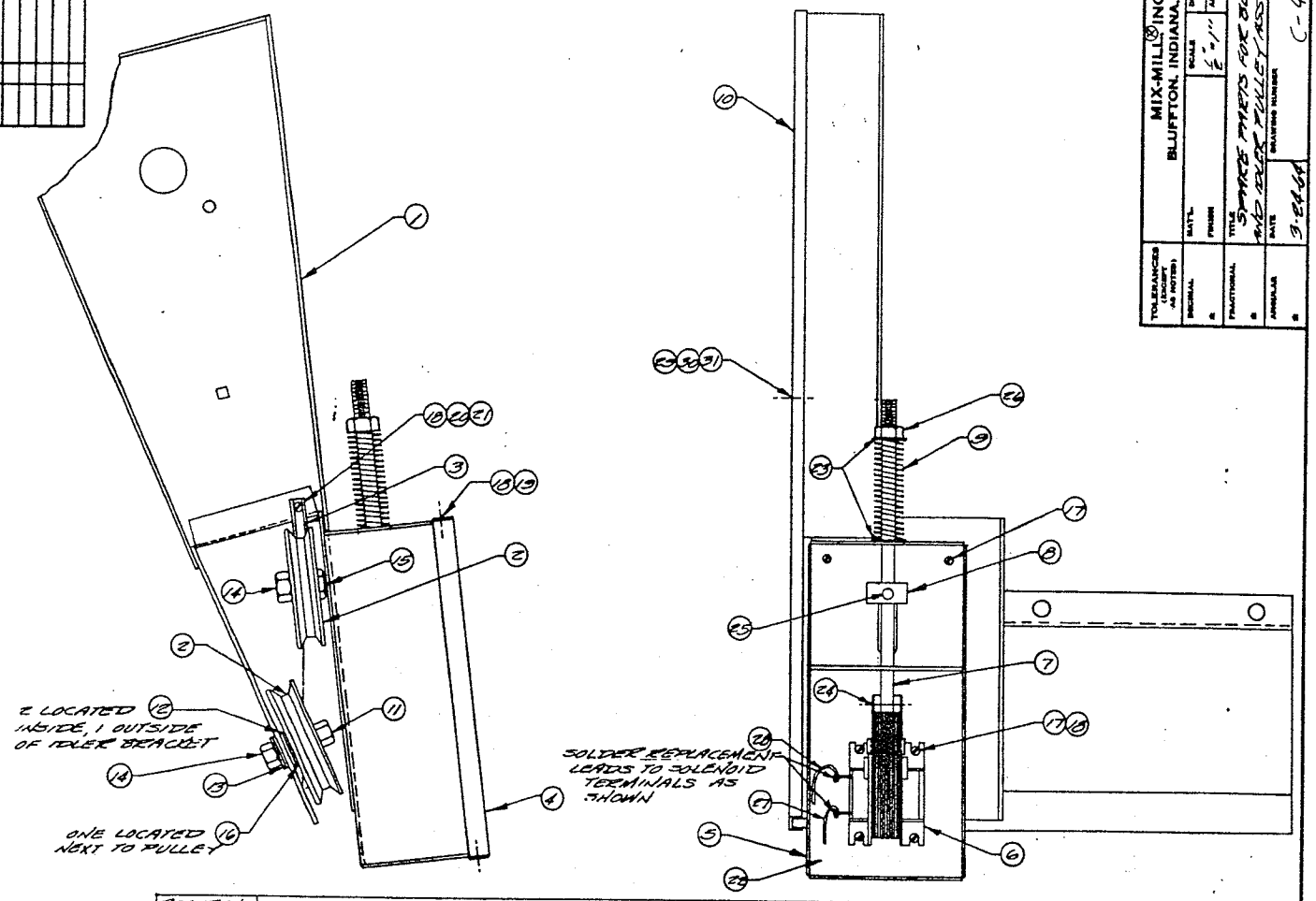
AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON, INDIANA

ITEM NO	PART NAME	PART CAT. NO. OLD DESIGN For 3½" Hi-Cap	For 6" Hi-Cap	ITEM NO	PART CAT. NO. NEW DESIGN For 3½" Hi-Cap	For 6" Hi-Cap
		M602 A1 M602 B1 M602 C1	M606 A1 M606 B1		M602 A1 M602 B2 M602 C2	M606 A2 M606 B2
	For A see page 3	A=36 3/4"	A=22 1/2"		A=63 3/4"	A=58 1/2"
1	Vert. Auger drive unit	A3142-G1	A3143-G1	1	A-3142-G1	A-3143-G1
2	Turning handle assy. for vert. auger	A3360-G1	A3360-G2	2	A-3360-G1	A-3360-G2
3	Clamp Plate & Tube Assy.	A3148-G1	A3271-G1	3	A-3148-G1	A-3271-G1
4	Hook Bolt	A2502-2	A2502-2	4	A-2502-2	A-2502-2
5				5		
6	Mach. Screw 5/16-18x3/4 Self Tap	A475-1	A475-1	6	A475-1	A475-1
7	Lockwasher 5/16	A345-1	A345-1	7	A345-1	A345-1
8	Bracket Assy.	A3145-G1	A3146-G1	8	A3145-G1	A-3146-G1
9	Thrust Washer 5/8 x 1 x 1/8	A49-1	None	9	A49-1	None
10	Seal Retaining Cup	A1936	A3215	10	A1936	A3215
11	Felt Seal	A1686	A3216	11	A1686	A3216
12	Bearing with lockcollar	A1457	A3079	12	A1457	A3079
13	Lockwasher	A344-1	A345-1	13	A344-1	A345-1
14	Machine Screw	A427-1	A475-1	14	A427-1	A475-1
15	Pulley	B3303-8	B3319-1	15	B3303-8	B3319-1
16	Vee Belt	B3339-1	B3339-1	16	B3339-1	B3339-1
17	Clamp Assy.	A461-G1	A3263-G1	17	A-461-G1	A-3263-G1
18	Boot	A3144	A3262	18	A-3144	A3262
19	Tee Assy.	A3256-G1	A3257-G1	19	A-3256-G1	A-3257-G1
20	Belt Gaurd Deflector	A3281	None	20	A3281	None
21	Belt Guard Assy.	A3278-G1	A3282-G1	21	A-3278-G1	A-3282-G1
22	Auger Extension Splice	M517-G1	M517-G3	22	M-517-G1	M-517-G3
23	Tube & Plate Assy.	A2133-G2	A-1593-G4	23	A2133G1	A-1593-G3
24	Tube & Plate Assy.	A1593-G2	None	24	None	None
25	Tube Clamp Assy. Complete	A1484-G1	None	25	None	None
26	Mill Base Assy.	A3363-G1	None	26	None	None
27	Grain Hopper Cover	A2129-1	A2129-1	27	A2129-1	A2129-1
28	Hopper Motor Cover	A2084	A3385-G1	28	A2084	A-3385-G1
29	Vertical Auger Head Cover	A2072-G1	A3381-G1	29	A2072-G1	A-3381-G1
30	Shaft and Flight for M602B1 and M602C1	A3371-G2		30	A3371G3	
31	Shaft and Flight for M602A1	A3371-G3		31	A-3371-G3	
32	Shaft and Flight		A3393-G2	32		A3392G1
33	Steel Ball (1/2" dia.)			33	A-138G2	A138G2
34	Retainer Thrust Bearing			34	A-4613G1	A-4614G1
35	Clamp Ring			35	A-449G1	A-449G5
	Control Panel (2 & 3 HP)	M64B1	M64B1		M64B1	M64B1
	Control Panel (5 HP)	M64C1	M64C1		M64C1	M64C1
	Enclosure Box for Control Panel	A3427	A3427		A3427	A3427
	Contactor for M64B1 Panel	A2832	A2832		A2832	A2832
	Contactor for M64C1 Panel	A3012	A3012		A3012	A3012
	Timer Dial	A65	A65		A65	A65
	Timer Knob	A66	A66		A66	A66
	Timer 2 HR	B-67-1	B-67-1		B-67-1	B-67-1
	Selector Switch	A1241	A1241		A1241	A1241
	Nameplate, Cross auger switch	A3426	A3426		A3426	A3426
	Nameplate, Vertical Auger Switch	A3419	A3419		A3419	A3419
	Load Meter	A2865	A2865		A2865	A2865
	1/2 HP Motor, Cross Auger	A1685			A1685	
	3/4 HP Motor, Cross Auger	A1272			A1272	
	1 HP Motor, Cross Auger		A1273			A1273
	2 HP Motor, Vert. Auger	A99-3	A99-3		A99-3	A99-3
	3 HP Motor, Vert. Auger	A2703	A2703		A2703	A2703
	5 HP Motor, Vert. Auger		A2864			A2864

Hi capacity, catalog numbers M-602 B1, M-602 C1, for 3½" & M-606A1 & M-606 B1 for 6" are old design built prior to May, 1963.

Current production Hi-capacity catalog numbers are M602 A1, M602 B2, M-602 C2 for 3½" and M 606A2 and M-606 B2 for 6" For replacement of items 23, 30, 31 or 32 the "A" dimension (distance from center of vertical auger to end of grain hopper) must conform with the "A" dimension listed at the top of catalog number column, or be stated on the order if it is different.



MIX-MILL® INC. BLUFFTON, INDIANA, U.S.A.
DRAWN BY: ST. BURKE
SCALE: 2"=1"
TITLE: SPARE PARTS FOR BELT GUARD AND IDLER PULLEY ASSY (SHP MILL)
DRAWING NUMBER: C-4801
DATE: 3-24-69

REFERENCE NUMBER	REPLACEMENT PART DESCRIPTION	REPLACEMENT PART NUMBER SHP(1Ø) MILL	QTY.	REPLACEMENT PART NUMBER SHP(3Ø) MILL	QTY.
1	IDLER BRACKET ASSY. - WELDED	M320461	1	M320462	1
2	IDLER 1" BALL BRG. PULLEY ASSY.	M186	2	M186	2
3	BRAKE - SOLENOID IDLER	M1586	1	(NOT USED)	—
4	COVER - SOLENOID BOX	M1576	1	(NOT USED)	—
5	SOLENOID BOX - WELDED	M1573	1	(NOT USED)	—
6	SOLENOID - SHP (1Ø) MILL	M1578	1	(NOT USED)	—
7	ACTUATOR ROD	M1577	1	(NOT USED)	—
8	BOLT AND SET COLLAR ASSY.	M1562	1	(NOT USED)	—
9	SPRING - SOLENOID	M1575	1	(NOT USED)	—
10	COVER - BELT GUARD	M320761	1	M320761	1
11	BOLT - HEX HD. (3/8"-16 x 1¼")	M339	1	M339	2
12	WASHER - FLAT (3/8")	M341	3	M341	4
13	WASHER - LOCK (3/8")	M346	1	M346	4
14	NUT - HEX (3/8"-16)	M337	2	M337	2
15	NUT - HEX JAM (3/8"-16)	M1202	1	(NOT USED)	—
16	WASHER - SPECIAL (3/8")	M1560	1	M1560	2
17	SCREW - RD. HD. S.T. (#10-24 x 3/8")	M365	6	(NOT USED)	—
18	WASHER - FLAT (3/16")	M338	7	(NOT USED)	—
19	SCREW - HEX HD. S.T. (#8-32 x ½")	M337161	2	(NOT USED)	—
20	SCREW - PAN HD. S.T. (#8-32 x 3/8")	M324	1	(NOT USED)	—
21	NUT - HEX (#8-32)	M338	1	(NOT USED)	—
22	WIRE NUT	M1045	2	(NOT USED)	—
23	WASHER - FLAT (3/8")	M340	2	(NOT USED)	—
24	COTTER PIN (1/16" x 1¼")	M334062	1	(NOT USED)	—
25	SET SCREW - CUP POINT (¼-20)	M336	1	(NOT USED)	—
26	LOCK NUT - HEX (3/4"-16)	M3363	1	(NOT USED)	—
27	LEAD WIRE - 3/1 BLACK (6" - NO TERM.)	M333786	1	(NOT USED)	—
28	LEAD WIRE - 3/1 RED (6" - NO TERM.)	M333A62	1	(NOT USED)	—
29	BOLT - CARRIAGE (¼-20 x 2½")	M332	1	M332	1
30	NUT - HEX (¼-20)	M312	1	M312	1
31	WASHER - LOCK (¼")	M321	1	M321	1

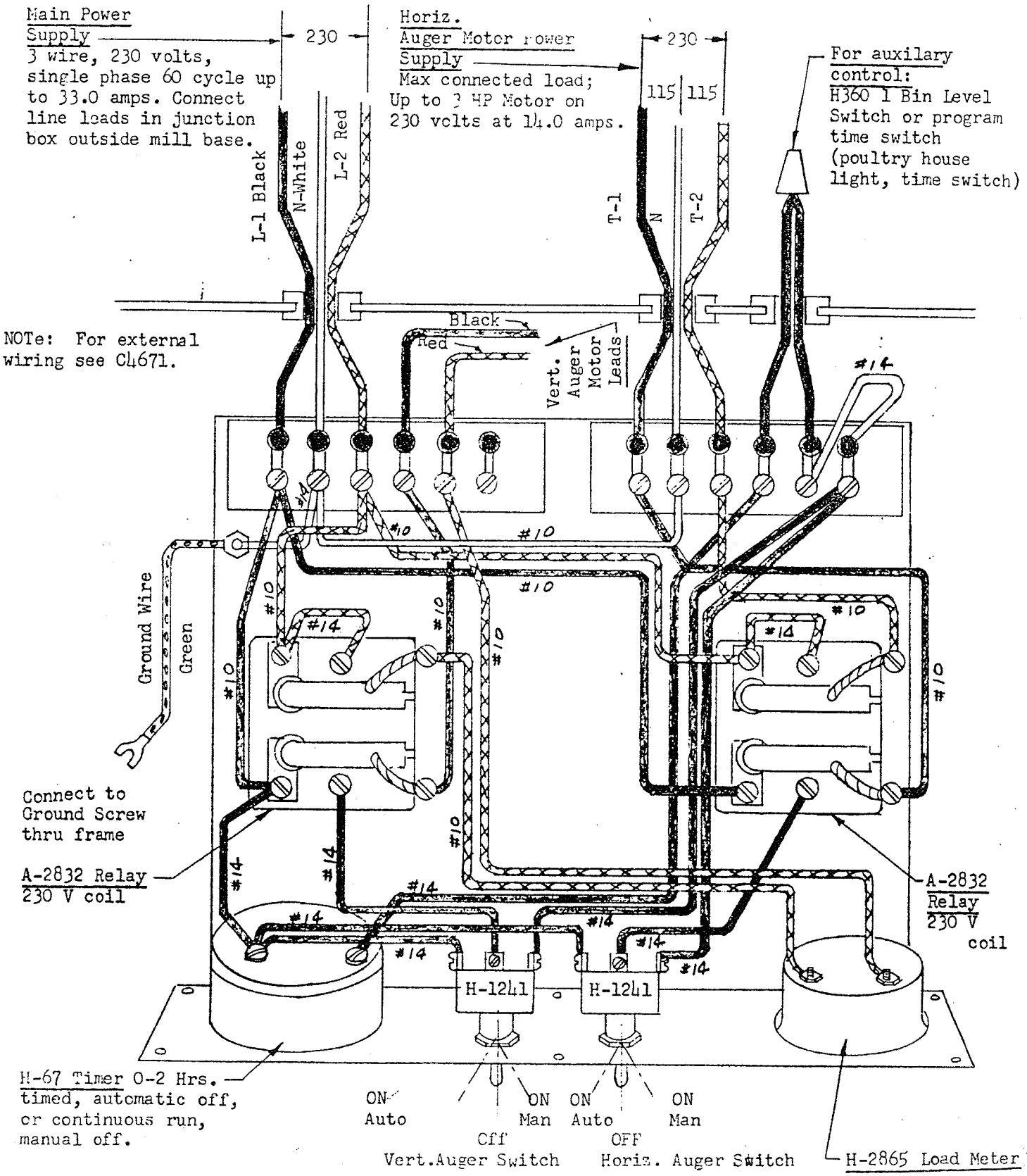
NOTE #1 - FOR COMPLETE 5 HP (1Ø) BELT GUARD AND IDLER PULLEY ASSY. (LESS COVER AND HARDWARE NEEDED TO MOUNT IT), ORDER M457061.
NOTE #2 - FOR COMPLETE 5HP (3Ø) BELT GUARD AND IDLER PULLEY ASSY. (LESS COVER AND HARDWARE NEEDED TO MOUNT IT), ORDER M337G1.

PRINTED IN U.S.A.

A6431

PANEL WIRING DIAGRAM

As used in 2 and 3 HP Hi-Capacity Units



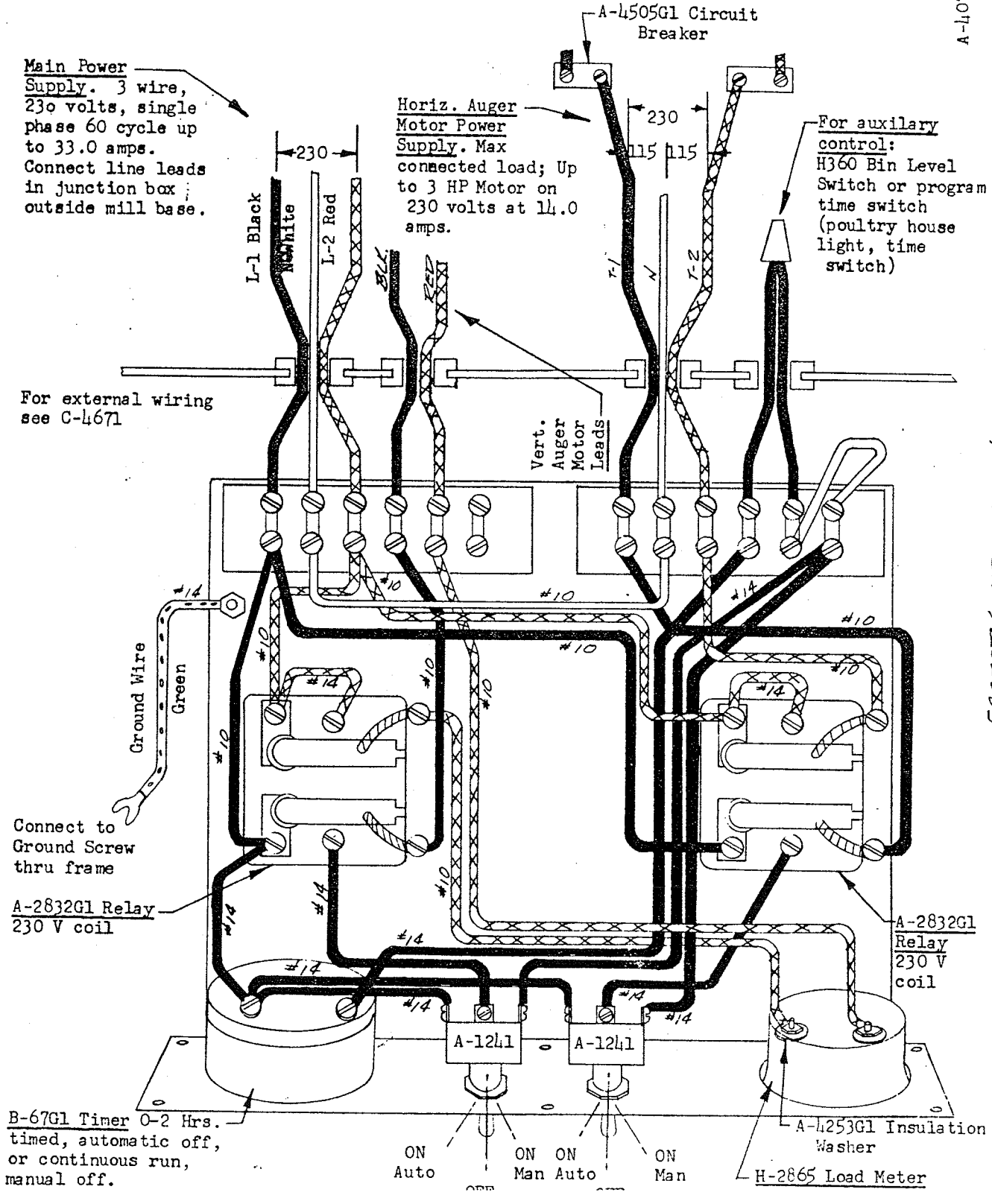
MIX-MILL®

AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON, INDIANA

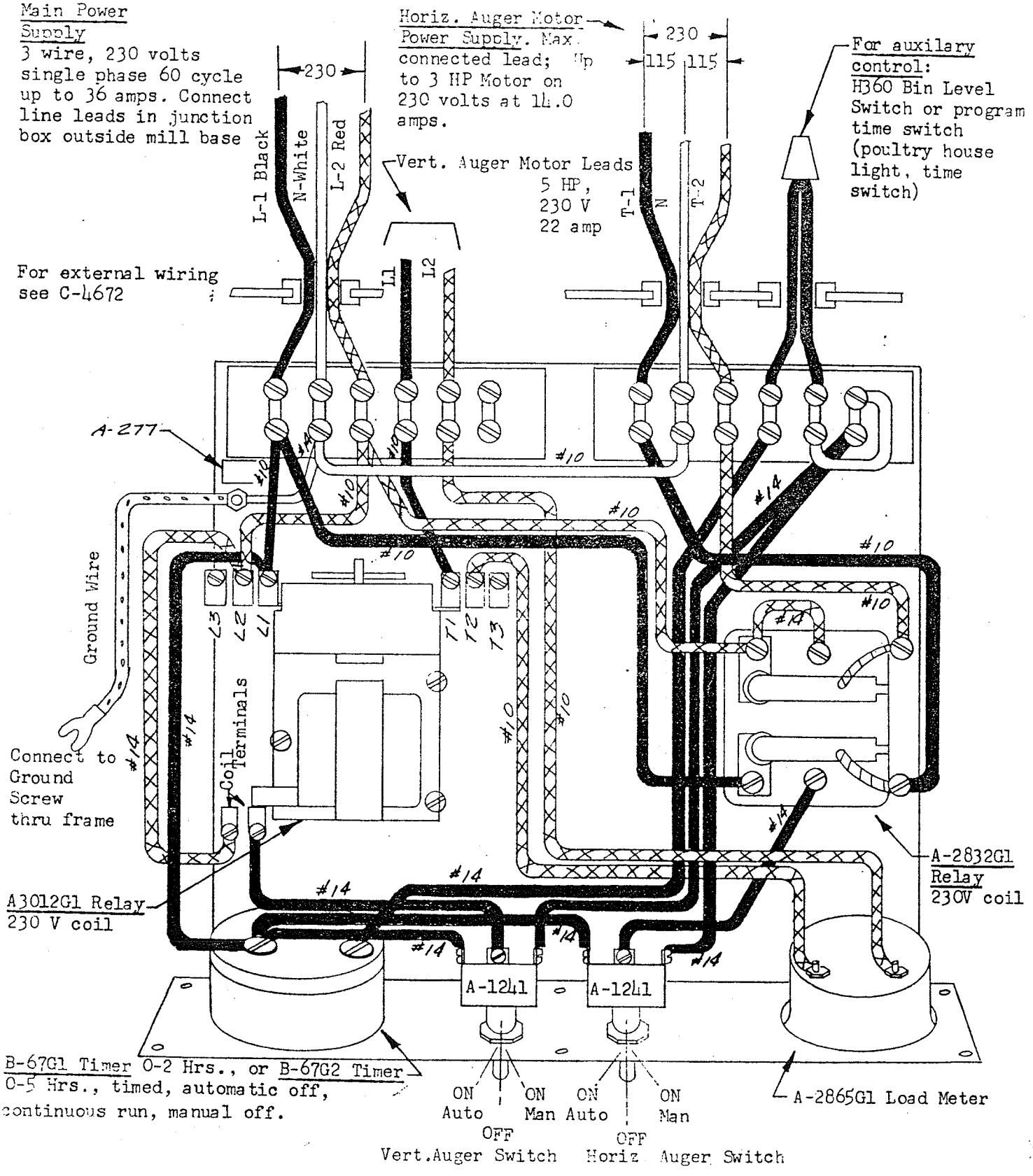
PANEL WIRING DIAGRAM
PANEL MODEL M64B1
CANADIAN 2 HP & 3 HP HI-CAPACITY SYSTEMS

A-4076



FACTORY FILE, ENG. FILE

A64C1 (2 Hr. Timer) & A64K1 (5 Hr. Timer)
PANEL WIRING DIAGRAM
As used in 5 HP Hi-Capacity Units (1Ø)



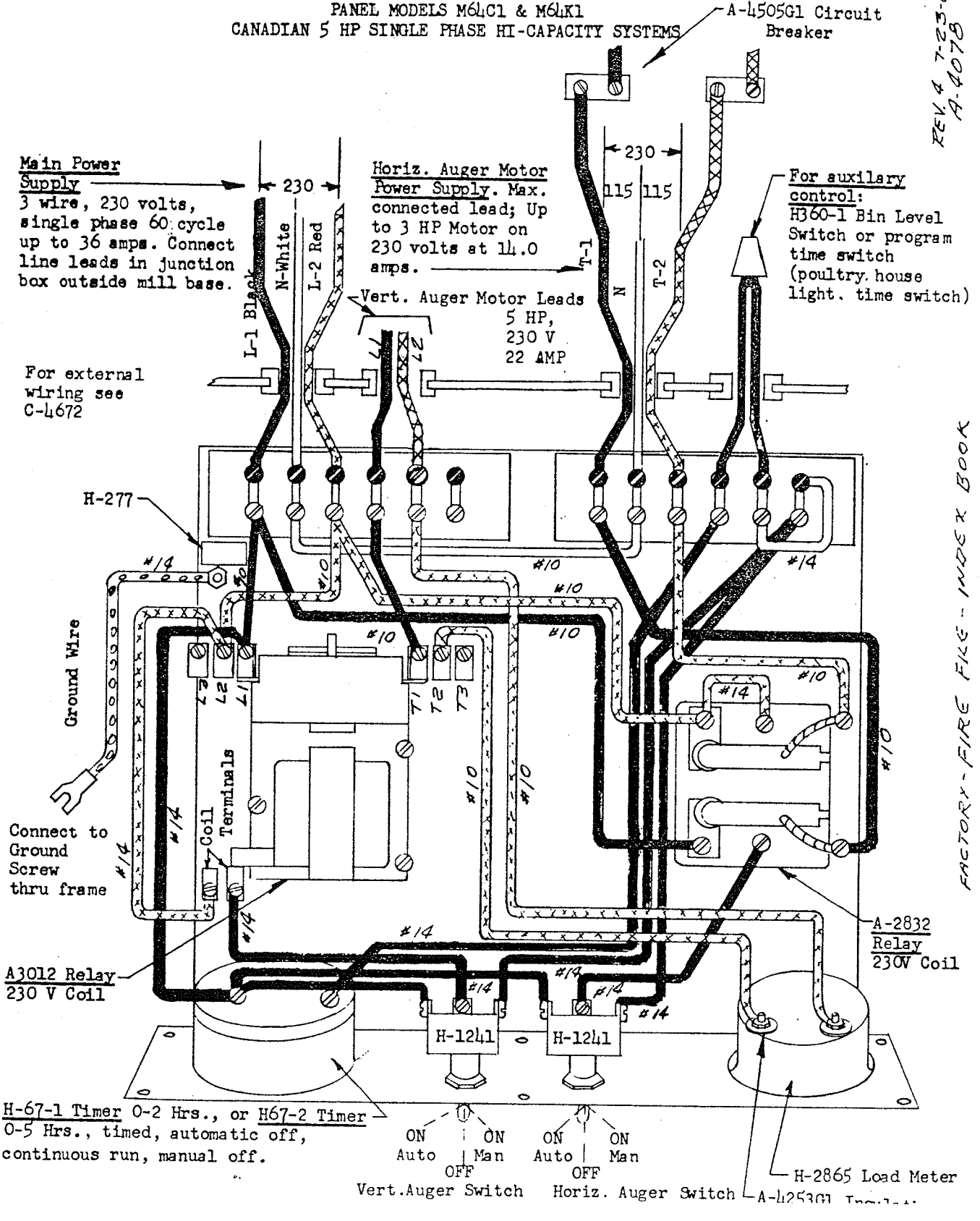
MIX MILL®

AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON, INDIANA

REV. 4 7-23-63
A.4078

PANEL WIRING DIAGRAM
PANEL MODELS M64C1 & M64K1
CANADIAN 5 HP SINGLE PHASE HI-CAPACITY SYSTEMS



FACTORY-FIRE FILE - INDEX BOOK

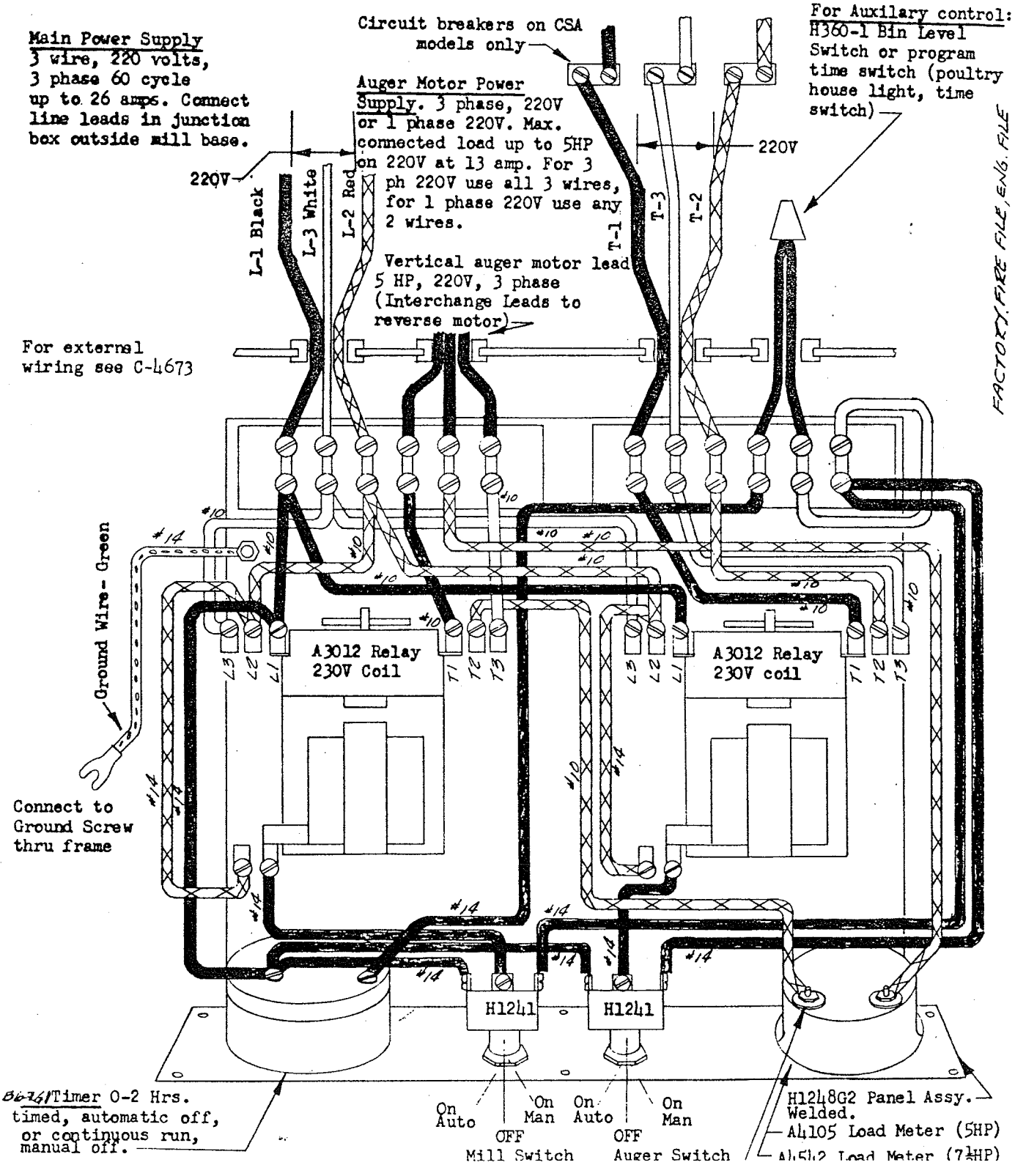
MIX-MILL®

AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON, INDIANA

PANEL WIRING DIAGRAM
PANEL MODELS A64P1; M64P1; A64R1 & M64R1
USA AND CANADIAN 5 HP & 7½ HP THREE PHASE HI-CAPACITY SYSTEMS

A4540



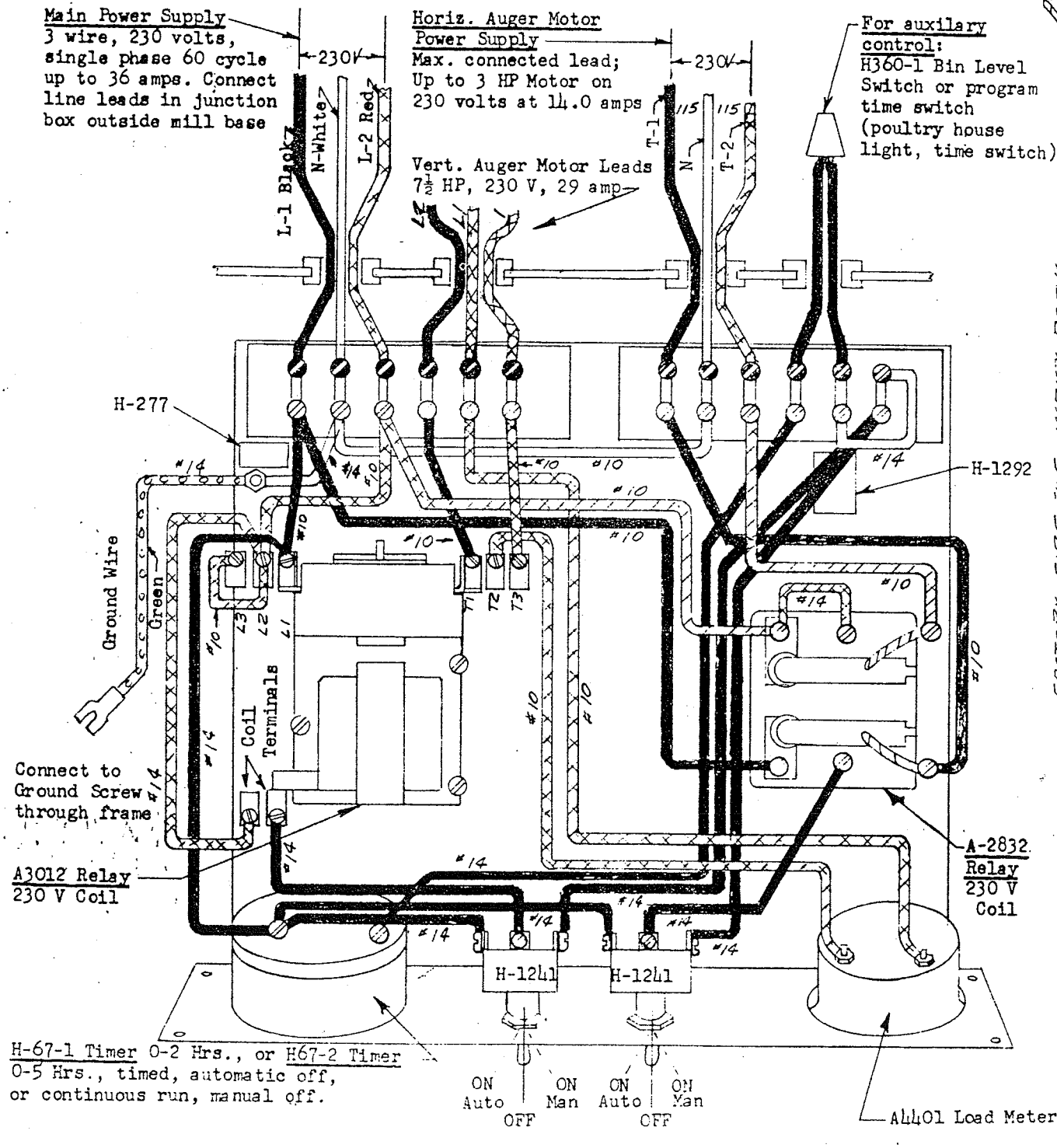
MIX-MILL®

AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON, INDIANA

PANEL WIRING DIAGRAM
PANEL MODELS A64M1 & A64N1
USA 7½ HP SINGLE PHASE HI-CAPACITY SYSTEMS

KEV 1 8-9-63
7-19-63
A-4483



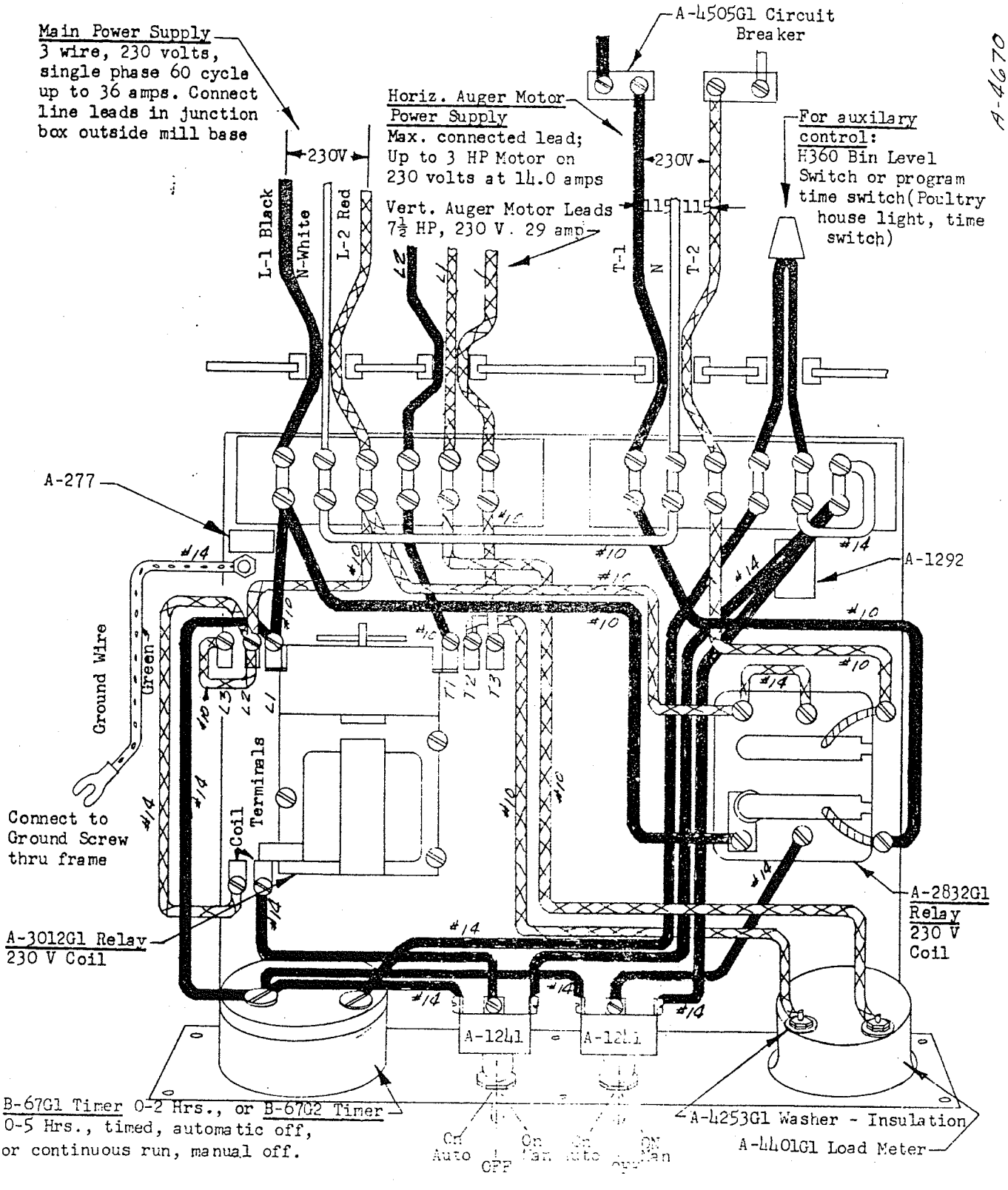
FACTORY-FIRE/TILE-INDEX BOOK

MIX MILL

AUTOMATIC FEED PROCESSING SYSTEMS

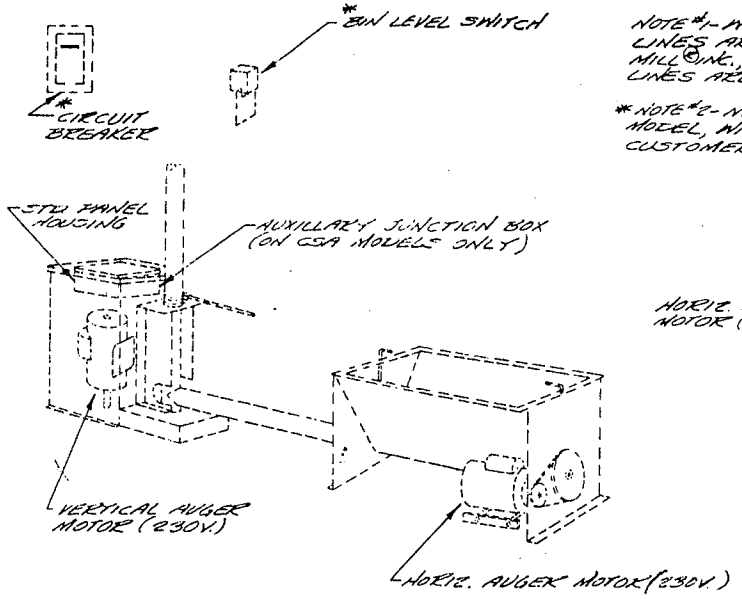
BLUFFTON, INDIANA

PANEL WIRING DIAGRAM
PANEL MODELS M64M1 & M64N1
CANADIAN 7½ HP SINGLE PHASE HI-CAPACITY SYSTEMS



A-4670

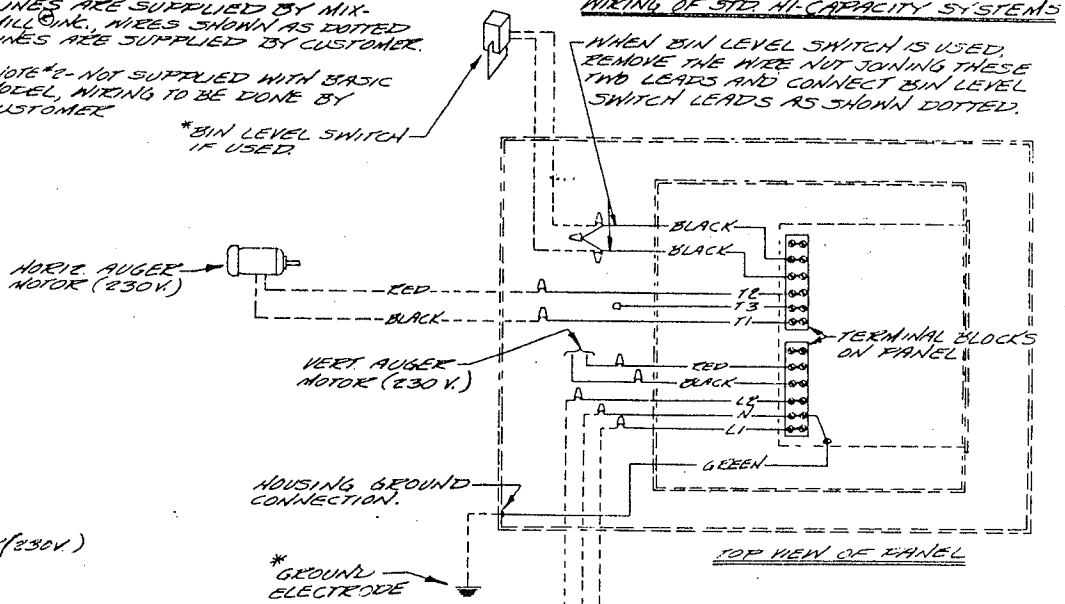
DATE	BY	REVISION RECORD	DR	CK



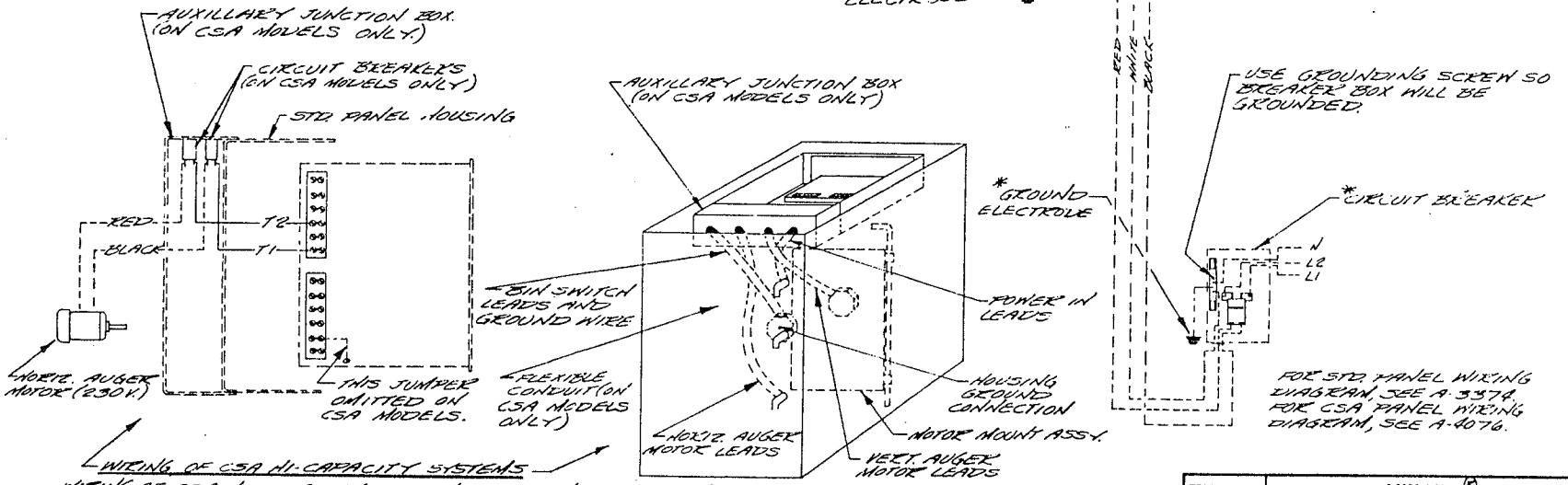
NOTE *1- WIRES SHOWN AS SOLID LINES ARE SUPPLIED BY MIX-MILL INC., WIRES SHOWN AS DOTTED LINES ARE SUPPLIED BY CUSTOMER.

*NOTE *2- NOT SUPPLIED WITH BASIC MODEL, WIRING TO BE DONE BY CUSTOMER

WIRING OF STD HI-CAPACITY SYSTEMS



EXTERNAL WIRING DIAGRAM 2 & 3 H.P. HI-CAPACITY SYSTEMS (SINGLE PHASE)



FOR STD. PANEL WIRING DIAGRAM, SEE A-3374
FOR CSA PANEL WIRING DIAGRAM, SEE A-4076.

PAGE 4 30,680
DATE FEB 27, 1964
ENG. ENG. C-4671

WIRING OF CSA HI-CAPACITY SYSTEMS

WIRING OF CSA HI-CAPACITY SYSTEMS IS IDENTICAL TO THAT OF STD HI-CAPACITY'S EXCEPT FOR THE MODIFICATIONS SHOWN IN TWO VIEWS IMMEDIATELY ABOVE.

TOLERANCES (EXCEPT AS NOTED)	MIX-MILL® INC. BLUFFTON, INDIANA, U.S.A.
DECIMAL ±	MAT'L. FINISH
	SCALE NONE
	DRAWN BY B. ZURLE
	APPROVED BY
FRACTIONAL ±	TITLE EXTERNAL WIRING DIAGRAM FOR 2 & 3 H.P. (1Ø) HI-CAPACITY SYSTEMS
ANGULAR ±	DATE 1-1863
	DRAWING NUMBER C-4671

PRINTED IN U.S.A.

COPY TO. FACTORY-FIRE FILE-ENG. FILE

DATE	BY	REVISION RECORD	OR	CK.

*CIRCUIT BREAKER

*BIN LEVEL SWITCH

NOTE #1 - WIRES SHOWN AS SOLID LINES ARE SUPPLIED BY MIX-MILL® INC., WIRES SHOWN AS DOTTED LINES ARE SUPPLIED BY CUSTOMER.

*NOTE #2 - NOT SUPPLIED WITH BASIC MODEL, WIRING TO BE DONE BY CUSTOMER.

*BIN LEVEL SWITCH IF USED

WIRING OF STD. HI-CAPACITY SYSTEMS

WHEN BIN LEVEL SWITCH IS USED REMOVE THE WIRE NUT JOINING THESE TWO LEADS AND CONNECT BIN LEVEL SWITCH LEADS AS SHOWN DOTTED.

STD. PANEL HOUSING

AUXILLARY JUNCTION BOX (ON CSA MODELS ONLY)

VERTICAL AUGER MOTOR (230 V.)

HORIZ. AUGER MOTOR (230 V.)

HORIZ. AUGER MOTOR (230 V.)

RED

BLACK

T2

T3

T1

BLACK

BLACK

TERMINAL BLOCKS ON PANEL.

RED

BLACK

L2

N

L1

GREEN

JOIN LEADS #1 #3 IN MOTOR JUNCTION BOX

VERT. AUGER MOTOR (230 V.)

HOUSING GROUND CONNECTION

*GROUND ELECTRODE

TAPE JOINTS

L2

L1

#3

#1

TOP VIEW OF PANEL

CONNECTIONS IN S.HP. MOTOR JUNCTION BOX

AUXILLARY JUNCTION BOX. (ON CSA MODELS ONLY.)

CIRCUIT BREAKERS (ON CSA MODELS ONLY)

STD. PANEL HOUSING

RED

BLACK

T2

T1

HORIZ. AUGER MOTOR (230 V.)

THIS JUMPER OMITTED ON CSA MODELS

AUXILLARY JUNCTION BOX (ON CSA MODELS ONLY).

BIN LEVEL SWITCH LEADS AND GROUND WIRE.

FLEXIBLE CONDUIT (ON CSA MODELS ONLY).

HORIZ. AUGER MOTOR LEADS

*GROUND ELECTRODE

POWER IN LEADS

HOUSING GROUND CONNECTION

MOTOR MOUNT ASSY.

VERT. AUGER MOTOR LEADS

RED

WHITE

BLACK

USE GROUNDING SCREW SO BREAKER BOX WILL BE GROUNDED.

*CIRCUIT BREAKER

N

L2

L1

FOR STD. PANEL WIRING DIAGRAM, SEE A-4488. FOR CSA PANEL WIRING DIAGRAM, SEE A-4078.

WIRING OF CSA HI-CAPACITY SYSTEMS

WIRING OF CSA HI-CAPACITY SYSTEMS IS IDENTICAL TO THAT OF STD. HI-CAPACITY'S EXCEPT FOR THE MODIFICATIONS SHOWN IN THE TWO VIEWS IMMEDIATELY ABOVE.

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TOLERANCES (EXCEPT AS NOTED)	MIX-MILL® INC. BLUFFTON, INDIANA, U.S.A.	
DECIMAL ±	MAT'L. / FINISH	SCALE: NONE / DRAWN BY: D. BURKE / APPROVED BY: L. Barnes
FRACTIONAL ±	TITLE: EXTERNAL WIRING DIAGRAM FOR STD.(B) HI-CAPACITY SYSTEMS	
ANGULAR ±	DATE: 1-16-63	DRAWING NUMBER: C 4672

PAGE A-30.740
DATE: APRIL 13, 1964
REPLACES NEW
ENGR. DWG. C4672

DATE	SYM	REVISION RECORD	DR	CK

* CIRCUIT BREAKER

* BIN LEVEL SWITCH

NOTE *1- WIRES SHOWN AS SOLID LINES ARE SUPPLIED BY MIX MILL INC., WIRES SHOWN AS DOTTED LINES ARE SUPPLIED BY CUSTOMER.

*NOTE *2- NOT SUPPLIED WITH BASIC MODEL, WIRING TO BE DONE BY CUSTOMER.

STD. PANEL HOUSING

AUXILLARY JUNCTION BOX (ON CSA MODELS ONLY.)

VERTICAL AUGER MOTOR (230 V.) (3Ø)

HORIZ. AUGER MOTOR (230V.) (1Ø)

WIRING OF STD. HI-CAPACITY SYSTEMS

WHEN BIN LEVEL SWITCH IS USED, REMOVE THE WIRE NUT JOINING THESE TWO LEADS AND CONNECT BIN LEVEL SWITCH LEADS AS SHOWN DOTTED.

* BIN LEVEL SWITCH IF USED

HORIZ. AUGER MOTOR (230V.) (1Ø)

VERT. AUGER MOTOR (230V.) (3Ø)

BLACK
BLACK
RED
WHITE
BLACK
WHITE
RED
BLACK
GREEN

T2
T3
T1
L2
L3
L1

TERMINAL BLOCKS ON PANEL

HOUSING GROUND CONNECTION

* GROUND ELECTRODE

TOP VIEW OF PANEL

AUXILLARY JUNCTION BOX (ON CSA MODELS ONLY.)

CIRCUIT BREAKERS (ON CSA MODELS ONLY.)

STD. PANEL HOUSING

RED
BLACK
T2
T3
T1

HORIZ. AUGER MOTOR (230V.) (1Ø)

AUXILLARY JUNCTION BOX (ON CSA MODELS ONLY)

BIN LEVEL SWITCH LEADS AND GROUND WIRE

FLEXIBLE CONDUIT (ON CSA MODELS ONLY.)

HORIZ. AUGER MOTOR LEADS

VERT. AUGER MOTOR LEADS

MOTOR MOUNT ASSY.

* GROUND ELECTRODE

POWER IN LEADS

HOUSING GROUND CONNECTION

RED
WHITE
BLACK

USE GROUNDING SCREW SO BREAKER BOX WILL BE GROUNDED.

* CIRCUIT BREAKER

L1
L3
L2

FOR PANEL WIRING DIAGRAM, SEE A-4540.

WIRING OF CSA HI-CAPACITY SYSTEMS

WIRING OF CSA HI-CAPACITY SYSTEMS IS IDENTICAL TO THAT OF STD HI-CAPACITYS EXCEPT FOR THE MODIFICATIONS SHOWN IN THE TWO VIEWS IMMEDIATELY ABOVE.

PHASE A 540-760 3-PHASE APRIL 13, 1964
REPLACES NEW ENGR. DWG. C4073

TOLERANCES (EXCEPT AS NOTED)	MIX-MILL, INC. BLUFFTON, INDIANA, U.S.A.		
DECIMAL .x ±	MAT'L	SCALE NONE	DRAWN BY S. BUCKLE
	FINISH		APPROVED
FRACTIONAL x ±	TITLE EXTERNAL WIRING DIAGRAM FOR 3 1/2 HP (3Ø) HI-CAPACITY SYSTEM		
ANGULAR x ±	DATE 1-16-64	DRAWING NUMBER	

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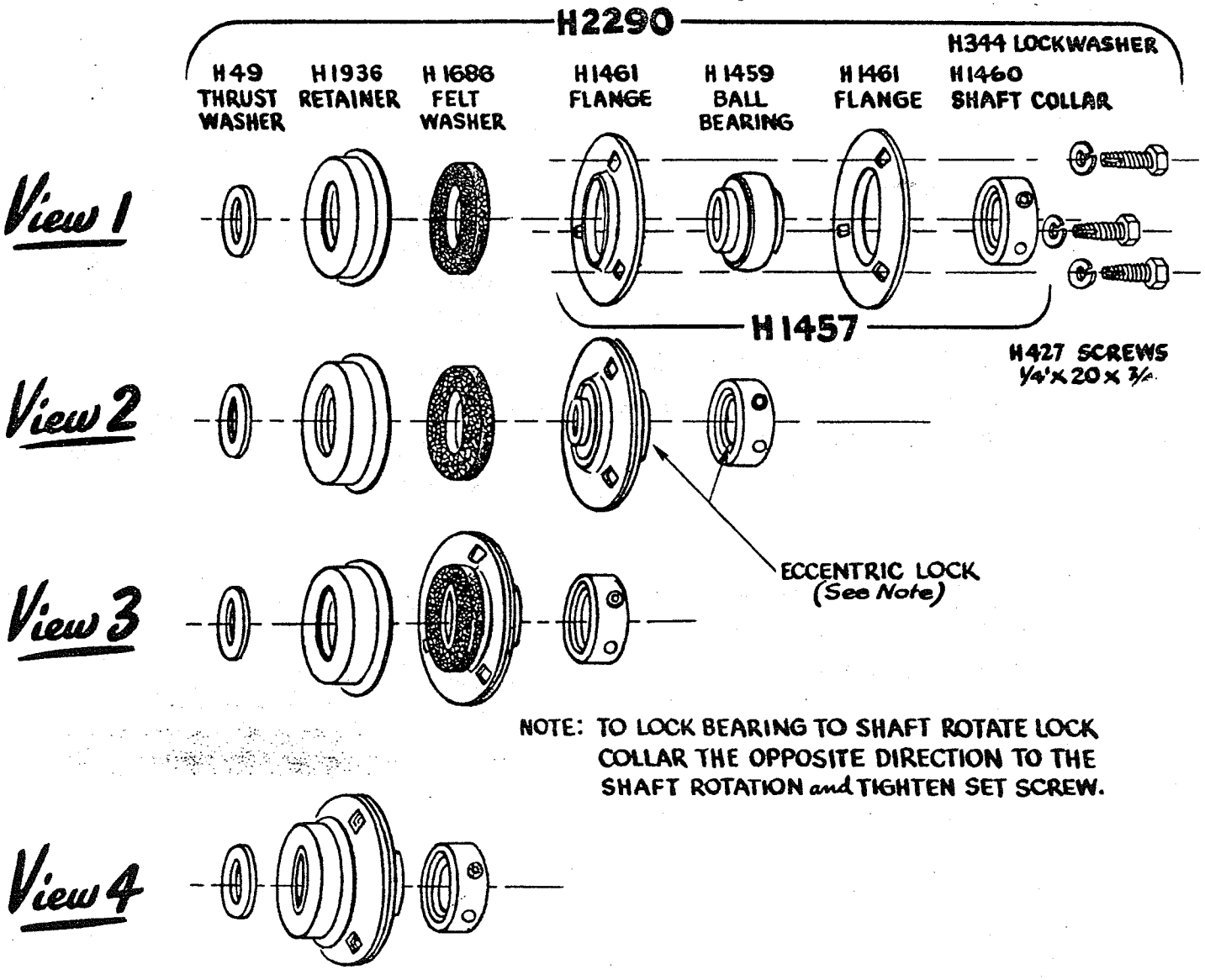
MIX-MILL®

AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON, INDIANA

INSTRUCTIONS for installing an H2290 sealed and shielded ball bearing.

These bearings are used where there is a pressure of grain on the bearing such as at the lower bearing of the vertical drive unit of a Hi-Capacity Auger System, in the Power Elbow of a Premixer, etc. They are not needed nor are they used in a top driven auger.



NOTE: TO LOCK BEARING TO SHAFT ROTATE LOCK COLLAR THE OPPOSITE DIRECTION TO THE SHAFT ROTATION and TIGHTEN SET SCREW.

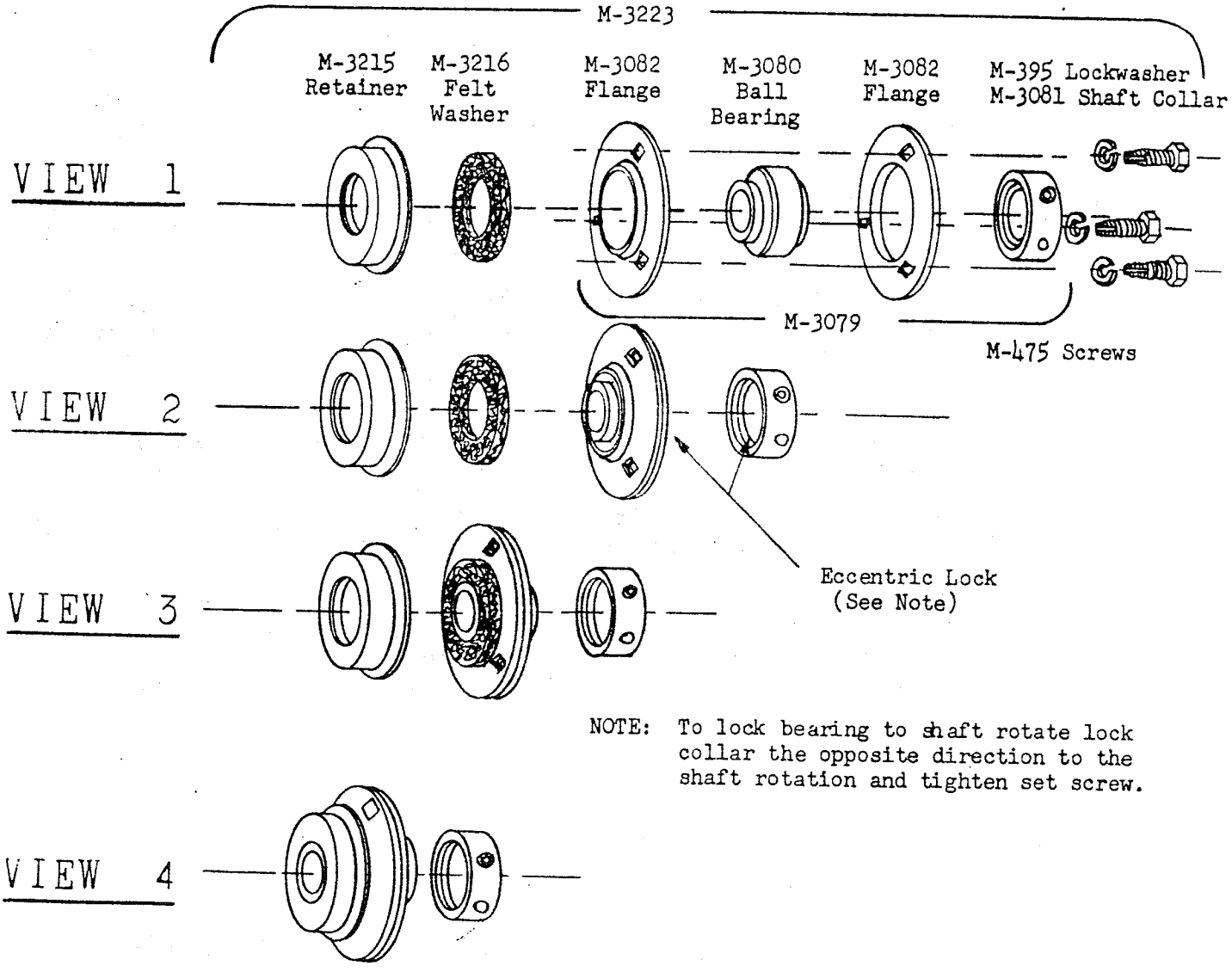
MIX MILL®

AUTOMATIC FEED PROCESSING SYSTEMS

BLUFFTON, INDIANA

INSTRUCTIONS for installing an M-3223 sealed and shielded ball bearing.

These bearings are used where there is a pressure of grain on the bearing such as at the lower bearing of the vertical drive unit of a Hi-Capacity Auger System, in the Power Elbow of a Premixer, etc. They are not needed nor are they used in a top driven auger.



NOTE: To lock bearing to shaft rotate lock collar the opposite direction to the shaft rotation and tighten set screw.