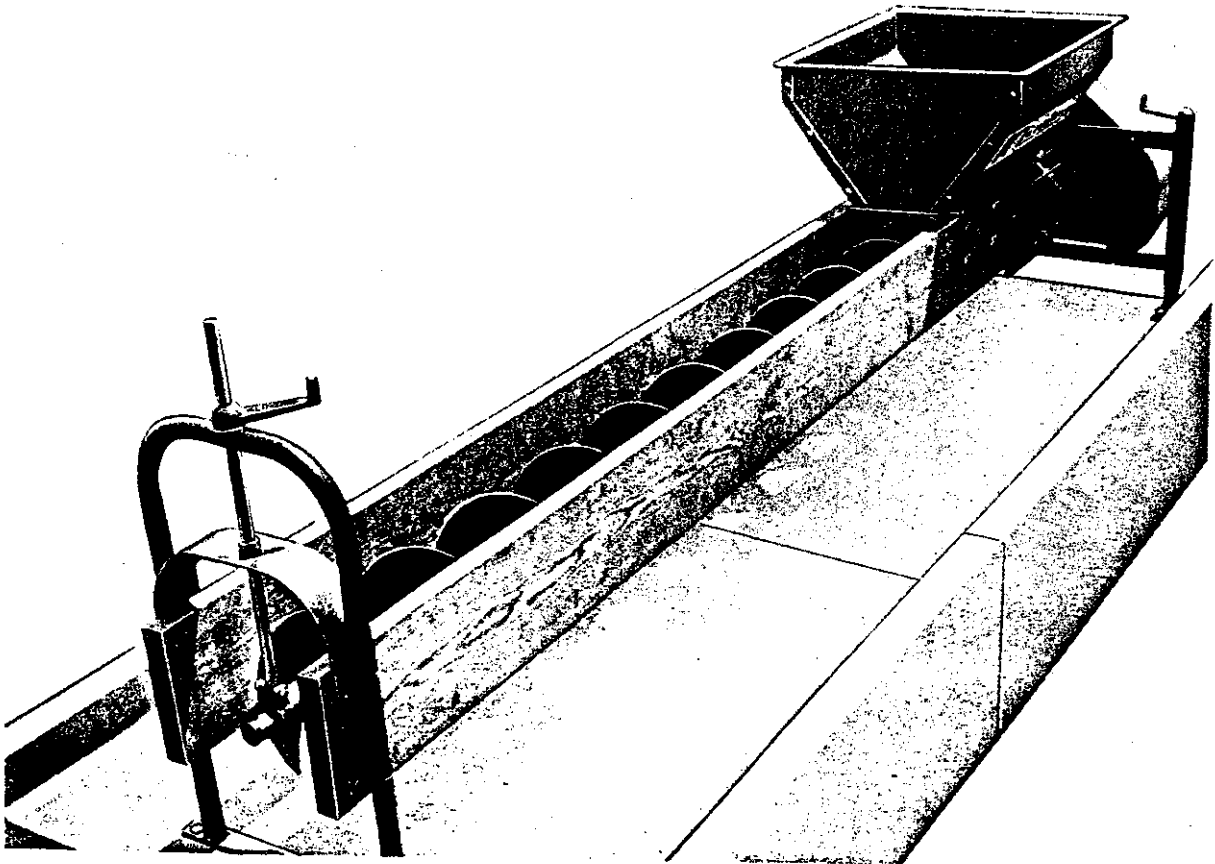# AUGER FEEDERS & CONVEYORS

OPERATORS MANUAL

MODELS FB7750 & CU7750

a division of
A. F. KLINZING CO., INC.
N6989 Rolling Meadows Drive
P. O. Box 29
Fond du Lac, WI 54936-0029

OPERATING INSTRUCTIONS

The basic principle of operation for the open auger feeder is
that the silage is carried by the auger between the two planks
and dropped down on to the bunk. If more silage is desired on
the bunk, raise the entire feeder higher from the bunk as shown
in Figure G, item 7, and Figure M, item 3. If less silage is
desired on the bunk, lower these various adjustments bringing
the auger and planks down closer to the bunk.

LUBRICATION

All of the bearings on the transmission assembly are sealed and
permanetly lubricated requiring no further lubrication. The
bearing on the suspended bearing stand, Figure M, item 1, should
be adequately greased once each month. Grease the motor, if
fittings are present, with only one shot of grease per fitting
once each year.

CAUTION

1. Be sure the safety guard is securely in place covering the
belts and chain on the transmission assembly.

2. Be cautious of children or adults on the bunk when auger is
turning. Children should be kept off the bunk at all times.
Auger covers must be installed!! Use lag bolts or double headed
nails!

1 & 2 Picture of transmission unit with
       safety shield removed. Attach the
       auger length to the transmission
       unit iwth the bolt provided. The
       auger should be centered over the
       bunk. The end of the auger with
       the rounded flighting is the pick-
       up end and should be turned in the
       direction from which the silage is
       coming. The end of the auger with
       the square flighting is the dis-
       charge end and should always point
       away from the source of the silage.

Fig. G
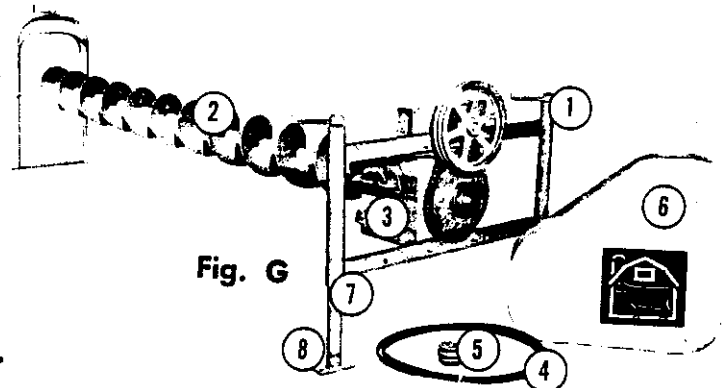
3.   Mount the motor to the transmission unit with
     the bolts provided in the motor base.

4.   Connect the motor to the speed reduction unit with the two V belts
     provided.

5.   Attach the motor pulley to the motor with the key furnished with the motor.

6.   Be sure the belt safety guard is installed in place with the J bolts.

7.   Assemble the adjustable transmission stand as shown.

8.   Securely anchor, with lag screws or concrete anchors, the transmission
     stand to the bunk.

1.   Assemble the suspended bearing stand as shown.
     Note the square flighting on the discharge end
     of the auger. Couple the augers together with
     the stub shaft and spring steel roll pins pro-
     vided. Be sure there is some lag (approximately
     180°) in the rotation from the end of one
     flighting to the beginning of the next to avoid
   binding of silage in the bearing hanger.
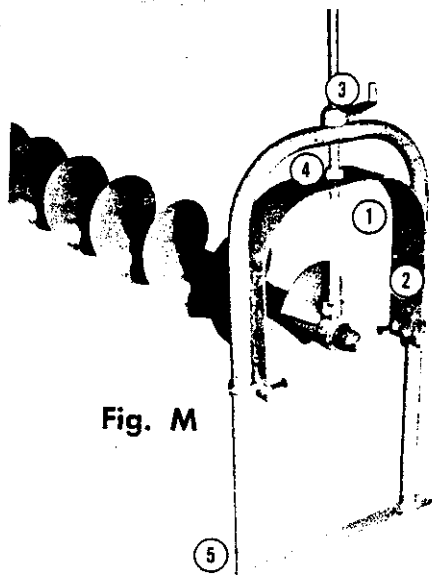
2.   Bolt 2" x 10" planks, (or you may use
     2" x 12" planks) one on each side of the
     auger, to the bearing stand at this point.
     These planks are also to be bolted to
     the transmission stand.

3.   This adjustment raises and lowers
     the auger and the planks.

4.   Set this vertical adjustment so
     that the bottom of the auger
     flighting is 2" below the bottom
     of the 2" x 10" planks.

5.   Anchor firmly the suspended
     bearing stand with lag screws
     or concrete anchors.

Fig. M
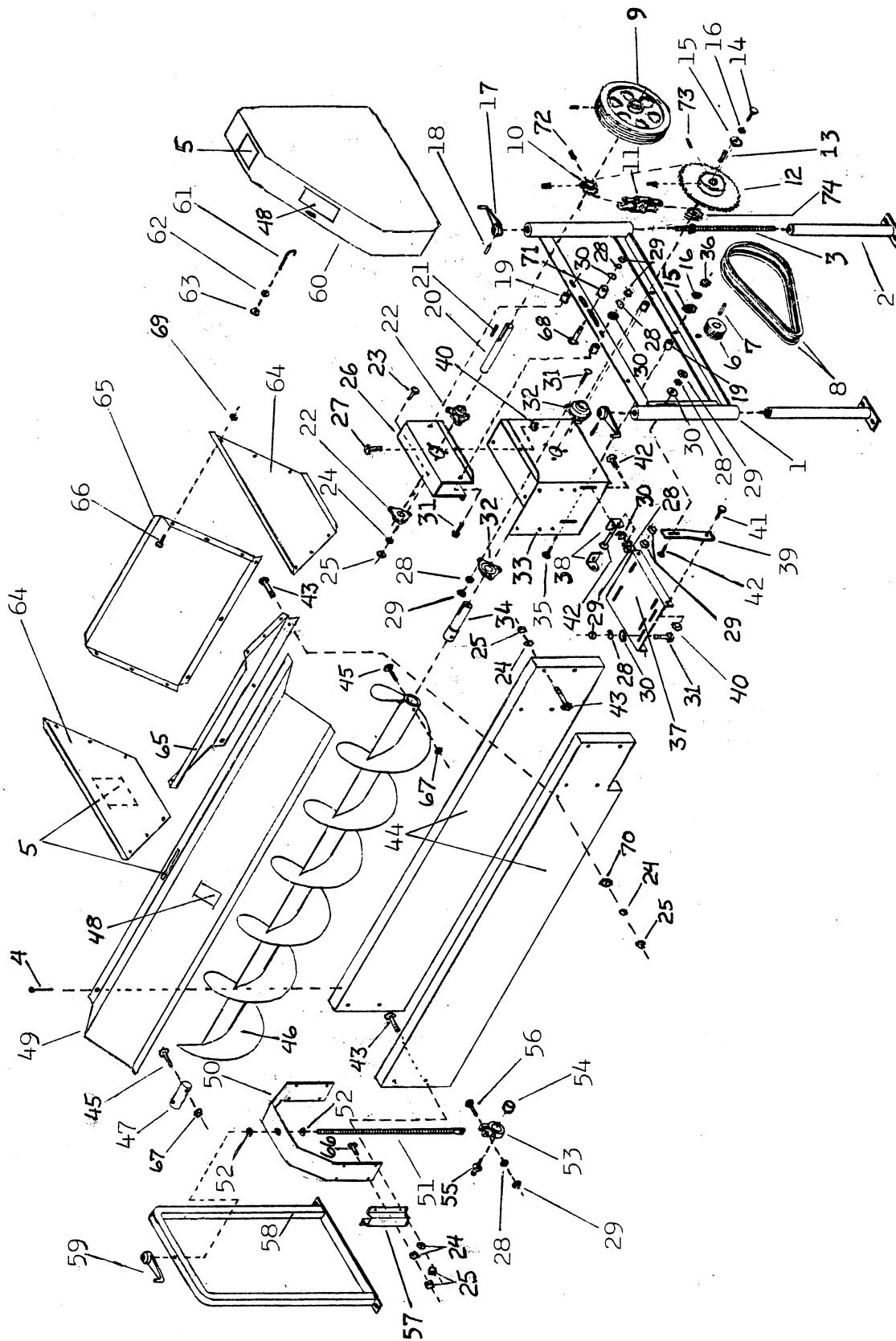
STANDARD 12" PLANK-SIDE AUGER FEEDER

Ref.	Part No.	Description	FB7712 12' Ext	FB7715 6' Ext	FB7750 Drive	F77200 Arch	F78200 Hopper
1	F57590	Drive Frame Stand			1		
2	F57610	Extension Leg, 18"			2		
2	F57530	Extension Leg, 36"			2		
2	F57640	Extension Leg, 48"			2		
3	F57670	Adjustment Rod Assy.			2		
4	******	Fasteners (by Customer)	as req'd	as req'd			
5	X23001	Warning Decal '5-Points'			1		
6	B92320	Motor Pulley, 2B3 x 7/8" Bore			1		
6	B92330	Motor Pulley, 2B3 x 1-1/8" Bore			1		
7	X21280	Key, 3/16 x 2-1/2"			1		
7	X21330	Key, 1/4 x 2-1/2"			1		
8	X22909	V-Belt, B50 (matched)			2		
8	X22910	V-Belt, B55 (matched)			2		
9	F57850	Idler Pulley, 1" Bore			1		
10	F57011	Idler Sprocket, 1" Bore			1		
11	F57043	Drive Chain w/Connector & ½ Link			1		
12	F57042	Drive Sprocket, 1-1/4" Bore			1		
13	X21380	Key, 5/16 x 1-1/2"			1		
14	X19470	HHC Screw, 1/2 x 3/4"			1		
15	X20190	Flat Washer, 1/2"			3		
16	X20250	Lock Washer, 1/2"			3		
17	F58020	Crank Handle, Drive Frame (5/8" Bore)			2		
18	X20760	Spiral Pin, 3/16 x 1-3/4"			2		
19	F57750	Spacer			4		
20	F58820	Idler Shaft, 1"			1		
21	X21340	Key, 1/4 x 3-1/4"			1		
22	F58010	Flange Bearing, 3B x 1"			2		
23	X19000	Carriage Bolt, 5/16 x 3/4"			6		
24	X20220	Lock Washer, 5/16"			18		6
25	X19970	Hex Nut, 5/16"			18		6
26	F57680	Transmission Channel Weldment			1		
27	X19340	HHC Screw, 3/8 x 3/4"			3		
28	X20230	Lock Washer, 3/8"			8	1	
29	X20230	Hex Nut, 3/8"			8	1	
30	X20230	Flat Washer, 3/8"			5		
31	X19110	Carriage Bolt, 3/8 x 1-3/4"			5		
32	F57930	Flange Bearing, 3B x 1-1/4"			2		
33	F77320	Thrust Plate Weldment			1		
34	F58800	Drive Shaft, 1-1/4"			1		
35	X19520	HHC Screw, 1/2 x 2"			2		
36	X20040	Hex Nut, 1/2"			2		
37	F57481	Base Plate, Motor			1		
38	F57470	Hinge, Base Plate			2		
39	F57482	Adjusting Bar, Motor Base Plate			1		
40	X20002	Flange-Lock Hex Nut, 3/8"			6		
41	X19360	HHC Screw, 3/8 x 1"			3		
42	X19080	Carriage Bolt, 3/8 x 1"			3		
43	X19021	Carriage Bolt, 5/16 x 2-1/2"			8	4	6

Ref.	Part No.	Description	FB7712 12' Ext	FB7715 6' Ext	FB7750 Drive	F77200 Arch	F78200 Hopper
44	******	2x10 Plank min. (by Customer)	2	2			
45	X19580	HHC Screw, 1/2 x 3-3/4"			1	1	
46	F77770	Auger, 6'		1			
46	F77700	Auger, 12'	1				
47	F57840	Connector Shaft, Type-A				1	
48	X23003	Warning Decal 'Lock Out Power'	4	2			
49	F77080	Auger Cover, 6'	2	1			
50	F77220	Inner Support Arch				1	
51	F57220	Hanger Bolt Weldment				1	
52	X20110	Hex Nut, 3/4"				2	
53	F58240	Hanger Bearing, Complete				1	
54	F58240	Fiber Bushing Insert				1	
55	X20640	Lube Fitting				1	
56	X19390	HHC Screw, 3/8 x 2"				1	
57	F57390	Support Guide Clamp				2	
58	F77210	Outer Support Frame, Hanger Arch				1	
59	F58030	Crank Handle, Hanger Arch (3/4" Thdd)				1	
60	F57710	Belt Cover		1			
61	F57350	J-Bolt		2			
62	X20150	Lock Washer, 1/4"		2			
63	X19950	Hex Nut, 1/4"		2			
64	F77280	Hopper End Panel					2
65	F58580	Hopper Side Panel					2
66	X19910	Truss head Screw, 5/16 x 3/4"			4		12
67	X20050	Top-Lock Hex Nut, 1/2"		1		1	
68	-						
69	X19971	Flange-Lock Hex Nut, 5/16"					12
70	MK0007	Flat Washer, 5/16"					6