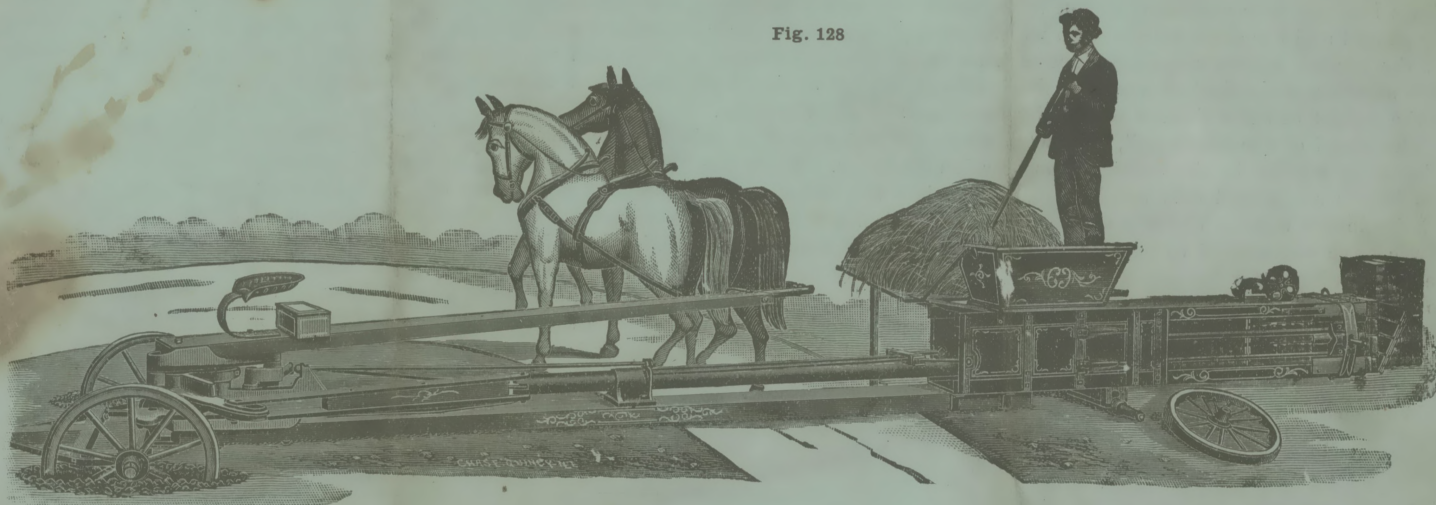


DIRECTIONS

FOR SETTING UP AND OPERATING

THE

Fig. 128



“Eli” Continuous Travel Baling Press No. 3.

MANUFACTURED BY

COLLINS PLOW COMPANY

QUINCY, ILLINOIS, U. S. A.

The lowest freight rates on Presses when shipped by railroad are obtained when machines are sufficiently knocked down to permit of their being loaded in box cars. On this account the “Eli” No. 3 Presses are telescoped for shipment, and the lever and front truck are removed. When a Press is taken from the car it may be hauled to place of destination in its telescoped condition, after the front axle, wheels and tongue have been attached.

TO SET UP PRESS—Take out all loose parts; remove the two bolts, $6\frac{1}{2} \times \frac{3}{4}$ inches, from rear end of wood main sill; loosen or take off the two support irons, which clamp wood sill to bale chamber; block the rear wheels; draw the front part of Press, including the wood main sill, pitman, and plunger, forward until the four bolt holes in end of wood main sill reach the corresponding bolt holes in front end of bale chamber; put the four bolts through bottom of bale chamber and through the main sill, and screw the nuts on tight after having replaced the two support irons under bale chamber with four plow bolts—these two support irons assist in clamping the main sill to bale chamber. The pipe rest casting, M P, should now be placed on center of main sill, and be clamped thereto with the $6 \times \frac{3}{4}$ -inch bolts that are either sent with the casting or are to be found in tool box. Attach long stay rod to the bail on the front end of the bale chamber; and tighten nuts so that upper portion of bale chamber will be supported from power end of Press; however, see that the machine is kept in line. Next connect the short pitman to the casting A7, which casting is to be found in end of the long pipe pitman. Connect the cast pull back lever, M40, to one end of flat rod and attach the other end of said flat rod between the jaws of casting A7 where the short and long pitman connect. Connect the end of the swinging plunger top to the end of the feed hopper by means of the flat connecting iron, which reaches from the end of plunger plate to casting on end of hopper. Put the tension screws and large tension screw nuts to their proper places at rear end of bale chamber. The tension screw nuts fit up against the inside of the tension bands and the tension screws pass through the holes in the tension bands and also through the tension screw nuts. The pointed ends of the tension screws fit into the sockets of the castings on side walls. The horse lever should then be bolted to the cross-head casting at power end of press—the cross-head casting has a roller at each end for moving the power casting. Attach tongue and lead pole to horse lever. Connect bell ringing attachment to the top of bale chamber so that the bell wheel will operate with its lower edge protruding through the slot in top wall of bale chamber. Attach the feed table to the machine, after which the machine will be ready to be placed for operation.

TO OPERATE PRESS—The front wheels should be placed in small trenches, deep enough to allow the wood main sill to rest on the ground. Rear wheels should be taken off of the axles, and this is accomplished by using the lifting jack; the lifting jack is placed astride rear end of bale chamber and the hooks on the rope are fastened into the eye castings at end of bale chamber. The bale chamber is then easily raised and rear wheels must be taken off, after which the bale chamber is lowered to the ground by means of the lifting jack. Front axle should be locked to the main sill casting by means of two bolts in order to keep the press from rocking on the axle—these bolts will be sent in tool box, and must be removed when press is again ready for transportation. Front and rear ends of bale chamber should rest solidly on the ground, or a block of wood may be placed under rear end of bale chamber if it does not touch the ground solidly at that point, or the end of press may be supported with the Lifting Jack. It is not necessary to set the press exactly level, but the bale chamber should be in line with the wooden main sill, and press should not be set in a twist. If this is not observed, the extra friction of the plunger moving in bale chamber will increase draft on the team.

Turn horse lever around by hand and see that everything is properly adjusted before commencing to bale. Oil all journals and frictional bearings, but do not oil the tracks over which rollers travel. Put one of the division blocks between the rear tension walls and turn the tension screws until the side walls clamp the edges of the block and hold it temporarily. Feed a few charges into the press, as large as it will conveniently take. It is necessary to prime the press before beginning to make shapely bales; in other words the bale chamber must be filled with the hay or straw before the real bales begin to form. When the bale chamber is filled with hay or straw put in a division block, taking pains to see that the side of block having the iron cleats on it is placed toward the forward or power end of press—these cleats prevent the retainer dogs on side of press from cutting into the blocks. When the material in the bale chamber becomes somewhat compact loosen the tension screws sufficient to allow the loose charges that bulge out from the sides of the bale chamber to pass through the tension walls. The hay or straw used in priming the press, and sometimes the first bale, which is sometimes a ragged one, may be pressed over again. In feeding press all charges must be fed well down into the bale chamber; do not allow much hay to lap backward over the plunger; otherwise the bales will not show as neat appearance as they should and the draft on the team will be greatly increased. If at any time damp material is fed to the press, or if press is started up after a rain, the tension screws should be loosened, as damp material creates a great deal more friction than dry material. In tightening tension do not turn screws a great deal at one time, but in loosening the tension turn the screws to the left a number of rounds before stopping. To increase the weight of bales tighten tension by turning screws to the right.

The wheel of the alarm bell, which travels in the slot on top of bale chamber, has four adjustable jaws which permit of the wheel being made larger or smaller in circumference as occasion demands. When the bell wheel is made larger the time between rings is longer, and as the division blocks are placed into the bale chamber when the bell rings, the changing of the size of wheel regulates the lengths of the bales. To make bales longer enlarge the size of the bell wheel. To make bales shorter make the bell wheel smaller in circumference.

We have endeavored to be as explicit in the above directions as necessity would seem to demand. With the above directions it should not be a difficult matter for any person with ordinary ability to operate the machine successfully. The operation of a Baling Press, however, has to be learned, as is the case with other machinery. We, therefore, suggest to those persons first beginning to operate press that it is unwise to attempt to obtain the largest capacity, until the entire working force of men are thoroughly familiar with the mechanism of the machine, and with the operation of the same. Be assured of one fact and that is that the press is no experiment. The experimental part is with the men operating the press.

With thanks for your esteemed patronage.

Respectfully,

COLLINS PLOW COMPANY.

TERMS ON REPAIRS ARE INVARIABLY CASH.

If ordered sent by express, they will be sent C. O. D., unless the money accompanies the order, provided party is responsible. When to be sent by freight, the money MUST accompany the order. Money may be sent by Post-Office or Express Order, Express or Draft. Always prepay charges or exchange on remittances.

In ordering Repairs, use Cipher Code as much as possible if you are certain you have the right word for the piece wanted; if not, describe or make diagram of it, and give number of machine for which repairs are ordered, stating also the size of baler. In ordering, please give Town, County and State; also route and to what railroad point repairs must be shipped, otherwise we will ship by the route we think best. Be sure to write your name and address plainly.

If the above instructions are followed, we will insure that Repairs will reach you without any unnecessary delay on our part.

Respectfully,

COLLINS PLOW COMPANY.

FOR

“Eli” Continuous Travel Baling Press No. 3,

MANUFACTURED BY

COLLINS PLOW CO., QUINCY, ILL. U. S. A.

CIPHER CODE.	NO.		PRICE	CIPHER CODE	NO.		PRICE
Macaroon.....	M A	—Power without slot.....	\$ 7.50	Mania.....	C 15	—Rear Axle Box (upper).....	1.75
Macaw.....	M A 1	—Power (mal.) without slot.....	7.50	Manifest.....	C 16	—Rear Axle Box (lower).....	1.75
Macaroni.....	M 1	—Power (mal.) with slot.....	7.50	Mango.....	C 17	—Tension side wall (cast) for 14x18 and 16x18 Presses.....	2.25
Macizo.....	M N 1	—Power (cast) without slot for M 31.....	7.50	Mankind.....	C 17 N	—Steel side wall casting for 14x18 and 16x18 Presses.....	1.25
Machaca.....	M B N 1	—Power (steel) without slot for M 31.....	9.00	Manichord.....	C 18	—Tension side wall (cast) for 17x22 Presses.....	3.00
Machete.....	M B N 1	—Power (Mal.) without slot for M 31.....	7.50	Manna.....	C 22	—Retainer Dog.....	.35
Manhood.....	M S 1	—Support Casting on Main Sill for Pipe Pitman.....	6.00	Manor.....	C 23	—Retainer Dog Box.....	.25
Mansion.....	M 00	—Cross Heads (mal.) used with M. O., 4½-in. Roller.....	10.00	Malmsey.....	C 220	—Retainer Dog (new style).....	.35
Mace.....	M 2	—Cross Head to which Horse Lever is bolted (old style).....	10.00	Malcia.....	C Z	—Retainer Dog Box (new style) for C 220.....	.25
Manege.....	M 20	—Cross Head.....	10.00	Maple.....	C 27	—Tension Screw Nut, 1½-in. for 14x18 and 16x18 Press.....	.50
Manner.....	M 200	—Cross Head (mal.) without 1½-in. Pins or Rollers.....	13.00	Maraud.....	C 27 N	—Tension Screw Nut, 1½-in. for 14x18 and 16x18 Press.....	.75
Manoluvre.....	M 200	—Cross Head, less Rollers (steel).....	16.00	Marline.....	C 30	—Corner Bracket for side wall (old style).....	.25
Mannitose.....	M 200	—Cross Head (mal.) with 1½-in. pins and rollers.....	15.00	Marmalade.....	C 36	—Truss Rod Washer for Bale Chamber.....	.20
Mannet.....	M 201	—Cross Head (S. S.) without 1½-in. pins or rollers.....	13.00	Mason.....	C 92	—Axle Washer.....	.15
Mannis.....	M 201	—Cross Head (S. S.) with 1½-in. pins and rollers.....	15.00	Menial.....	C W	—Flat Washer, sometimes used for C 36.....	.25
Madcap.....	M 3	—Main Gudgeon Casting on Main Sill (old style).....	15.00	Mental.....	F V	—Casting con'ting Plunger Plate Link to Plate.....	.20
Mange.....	M 30	—Main Gudgeon Casting on Main Sill.....	15.00	Mandible.....	H 18	—Sill Casting, support for M 12 (old style).....	3.00
Mangonel.....	M 300	—Main Gudgeon Casting (now used in place of M 30).....	15.00	Manitilla.....	V 18	—Steel side wall casting for 17x22 Press.....	2.00
Mancha.....	M 31	—Main Gudgeon Casting (latest style) cast.....	15.00	Margarite.....	V 27	—Tension Screw Nut, 1½-in. for 17x22 Press.....	.75
Mauzana.....	M 3 S	—Main Gudgeon Casting (latest style) steel.....	17.00	Margin.....	V 27 N	—Tension Screw Nut, 1½-in. for 17x22 Press.....	.75
Madman.....	M 4	—Pull Back Arm for Plunger.....	4.00	Mater.....	V 79	—Neckyoكة casting on Sweep Tongue.....	.25
Madrona.....	M 40	—Pull Back Arm (mal.) same style as M 4.....	4.50				
Magazine.....	M N 4	—Slide under Pipe Pitman.....	.75				
Magic.....	M 5	—Washer for Power and Cross Head.....	.50				
Magnum.....	M 5 L	—Washer for Short Cross Head Gudgeon.....	.50				
Majority.....	M 5½	—Washer for Long Cross Head Gudgeon.....	.50				
Marjoram.....	M B	—Block for Truss Rod Yoke (14x18).....	.75				
Marear.....	M BB	—Block for Truss Rod Yoke (16x18 and 17x22).....	.75				
Mago.....	M N 5	—Washer for Power and Cross Head with ext'n.....	1.50				
Magulf.....	M S 5	—Malleable Washer and Clamp combined for Cross Head.....	2.00				
Magistrate.....	M 6	—Plunger Head for 16x18 Press.....	6.00				
Maguna.....	M 61	—Plunger Head with Rollers for 16x18 press.....	7.00				
Magnetic.....	M R 7	—Guide for Telescope Top (right).....	.75				
Magnolia.....	M L 7	—Guide for Telescope Top (left).....	.75				
Mahogany.....	M 8	—Plunger Head for 14x18 press.....	5.00				
Mahone.....	M 81	—Plunger Head with Rollers for 14x18 press.....	6.00				
Mahometan.....	M 9	—Plunger Head for 17x22 press.....	7.00				
Mahoos.....	M 91	—Plunger Head with Roller for 17x22 press.....	8.00				
Maim.....	M 10	—Brace for Plunger Top 14x18 and 16x18 presses.....	.75				
Mainmast.....	M N 10	—Brace for Plunger Top 17x22 presses.....	1.00				
Mainsail.....	M 11	—Plunger Head Brace 14x18 and 16x18 presses.....	.75				
Maize.....	M N 11	—Plunger Head Brace 17x22 press.....	.75				
Majesty.....	M 12	—Collar for Pipe Pitman (old style).....	3.00				
Major.....	M 13	—Bracket for Plunger Top Spring (14x18 and 16x18 presses).....	.75				
Malice.....	M N 13	—Bracket for Plunger Top Spring, 17x22 press.....	.75				
Mall.....	M 14	—Front Axle.....	8.00				
Mallet.....	M N 14	—Hinge for Plunger Top (14x18 press).....	.50				
Mallow.....	M N 14½	—Double Hinge for Plunger Top (mal. for 14x18 press).....	.85				
Mammon.....	M 16	—Hinge for Plunger Top (mal. for 16x18 press).....	.50				
Mammoth.....	M N 16	—Double Hinge for Plunger Top (mal. for 16x18 press).....	1.00				
Mandamus.....	M 17	—Hinge for Plunger Top (17x22 press).....	.50				
Mandarin.....	M 18	—Platform Bracket.....	.25				
Mandate.....	M N 18	—Bracket for M 12 Pipe Collar (old style).....	3.00				
Mandrel.....	M 19	—Platform Hook.....	.25				
Manganese.....	M 21	—Coupling Casting for end of Main Sill.....	1.75				
Manes.....	M 22	—Catch for moving Plunger Plates.....	.25				
Mab.....	M	—Sweep Tongue Hook.....	.50				
Mangle.....	M L E	—Riser for Hind Axle.....	.75				
Mangrove.....	M S	—Collar and Sill Support for Pipe Pitman (new style).....	4.00				
Manhole.....	M N N	—Hopper Casting (located on end of Hopper near top edge).....	.30				
Manipulate.....	M P	—Support Casting on Main Sill for long single Truss Rod.....	5.00				
Manikin.....	M V	—Loop on Bale Chamber for Jack Hook (1 hole).....	.20				
Manifold.....	M X	—Casting near top edge of Hopper for Plunger Plate connection.....	.40				
Manger.....	A 7	—Casting connecting Pipe Pitman to short Pitman.....	2.00				

CIPHER CODE	NO.		PRICE
Manicure	M R	—Roller under Plunger Head	.45
Mantis	M O	—Roller for M 00 Cross Head	1.00
Mackeral	M N 2	—Roller for Cross Head (old style)	.50
Manse	C 25	—Roller connecting Pitman to Power	.75
Marmot	C 37	—Roller on M 200 and M 201 Cross Head	.75
Melotype	C 113	—Pin for Roller connecting Pitman to Power	.75
Menthol	M 114	—Roller Pin for M 200 Cross Head	.75
Mention	M 115	—Roller Pin for M 201 Cross Head 5½ inches long from end to center of key hole	.75

Steel Parts.

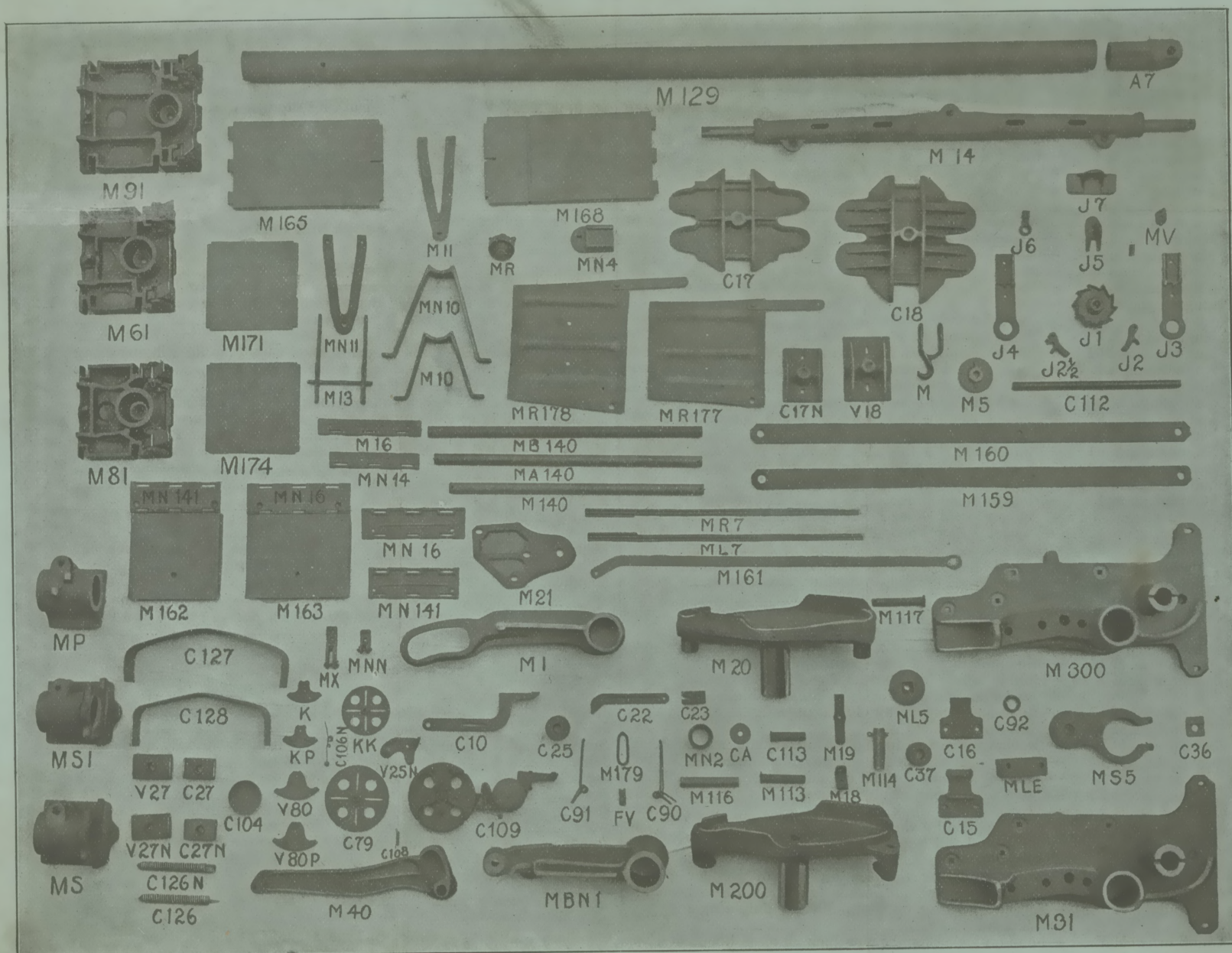
Marshall	C 90	—Plunger Plate Springs	.30
Martingal	C 91	—Retainer Hook Spring	.30
Melon	C 113	—Pin connecting Pitman to Power	.75
Member	M 113	—Pin connecting Pipe Pitman to Short Pitman	.75
Menthol	M 114	—Roller Pin for M 200 Cross Head	.75
Mention	M 115	—Roller Pin for M 201 Cross Head	.75
Measure	C 126	—Tension Screw 1½ inch diameter	.75
Meat	C 126 N	—Tension Screw 1½ inch diameter	.75
Medal	C 127	—Tension Bands (two parts) for 17x22 Press, each	1.50
Medium	C 128	—Tension Screw Bands (two parts) 14x18 and 16x18 Presses, each part	1.25
Meeting	M 129	—Pipe Pitman, 4 inch inside diameter, 11 feet long	10.00
Melody	M 131	—Flat Spring on M 30 Bed Casting	1.00
Mess	M 139	—Steel Truck Wheels	4.00
Mallard	M 140	—Rear Axle, 14x18 Press, 1½ in. x 3 ft. 3 in.	2.50
Mallas	MA 140	—Rear Axle, 16x18 Press, 1½ in. x 3 ft. 5 in.	2.50

CIPHER CODE	NO.		PRICE
Mallavet	MB 140	—Rear Axle, 17x22 Press, 1½ in. x 3 ft. 6 in.	2.50
Metaphor	M 158	—Short Pitman complete with Center Block	6.75
Mew	M 159	—Top Steel Part for Short Pitman	3.25
Mile	M 160	—Bottom Steel Part for Short Pitman	3.25
Milagro	M 162	—Steel Beater Plate 14x18	1.00
Milesimo	M 163	—Steel Beater Plate 16x18	1.10
Millar	M 165	—Folding Telescope Plate (14x18) 28 in. Feed Opening	1.00
Mimoso	M 168	—Folding Telescope Plate (14x18) 32 in. Feed Opening	1.30
Minero	M 169	—Folding Telescope Plate (16x18) 28 in. Feed Opening	1.20
Minorar	M 170	—Folding Telescope Plate (16x18) 32 in. Feed Opening	1.40
Mismo	M 171	—Old Style Sliding Telescope Plate (lower section)	.75
Mocion	M 174	—Old Style Sliding Telescope Plate (upper section)	.75
Moecys	M 175	—Steel Plate on M B N 1 Power	.75

Wood Parts.

Membrane	132	—Division Block 14x18	1.40
Memento	131	—Division Block 16x18	1.50
Memory	134	—Division Block 17x22	1.60
Mercer	M 135	—Horse Lever (in ordering state size)	5.00
Mercy	M 136	—Main Sill (in ordering state size of machine)	10.00
Meridian	M 137	—Tongue with Irons complete	4.00
Merit	M 138	—Wood Truck Wheel	4.00

Repair Plate for "ELI" BALING PRESS, Fig. 128



Manufactured by COLLINS PLOW COMPANY, Quincy, Illinois