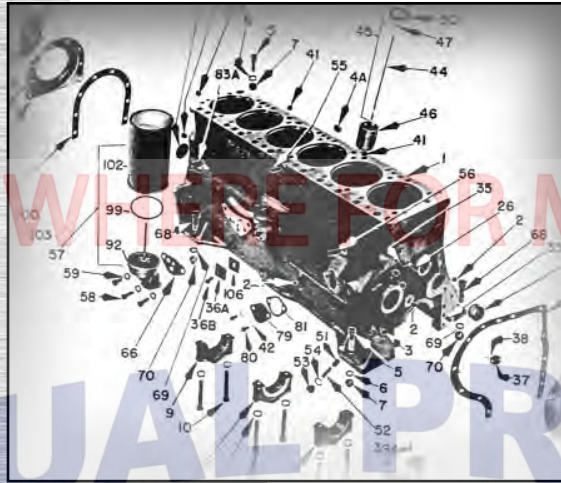




Avery

**Parts And Operator's
Manual**

Thresher

**19X30, 22X336, 28X42,
28X48, 32X48, 32X54,
36X60, 42X60, 36X70,
36X54, 32X60, 42X64 & 42X70**

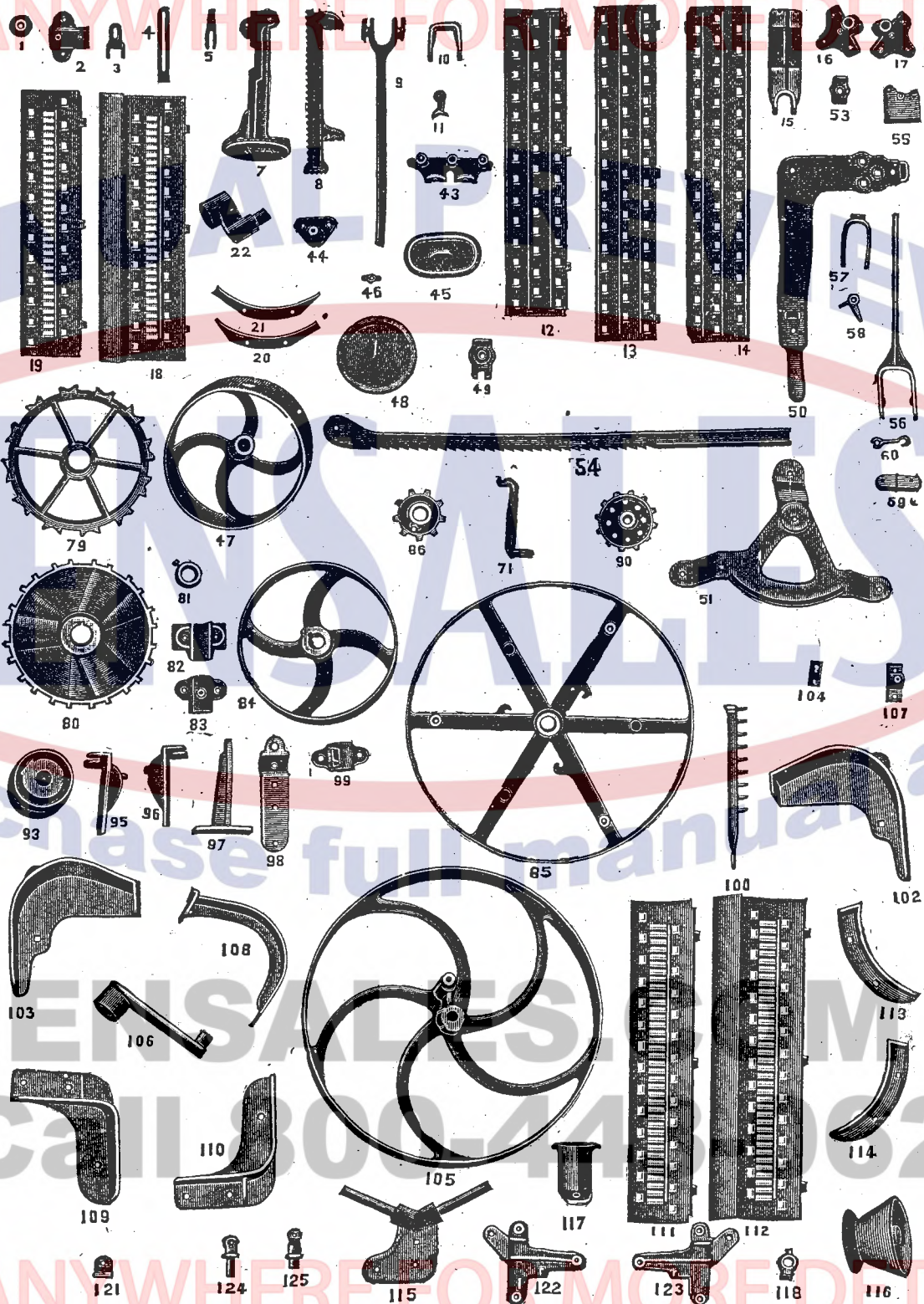


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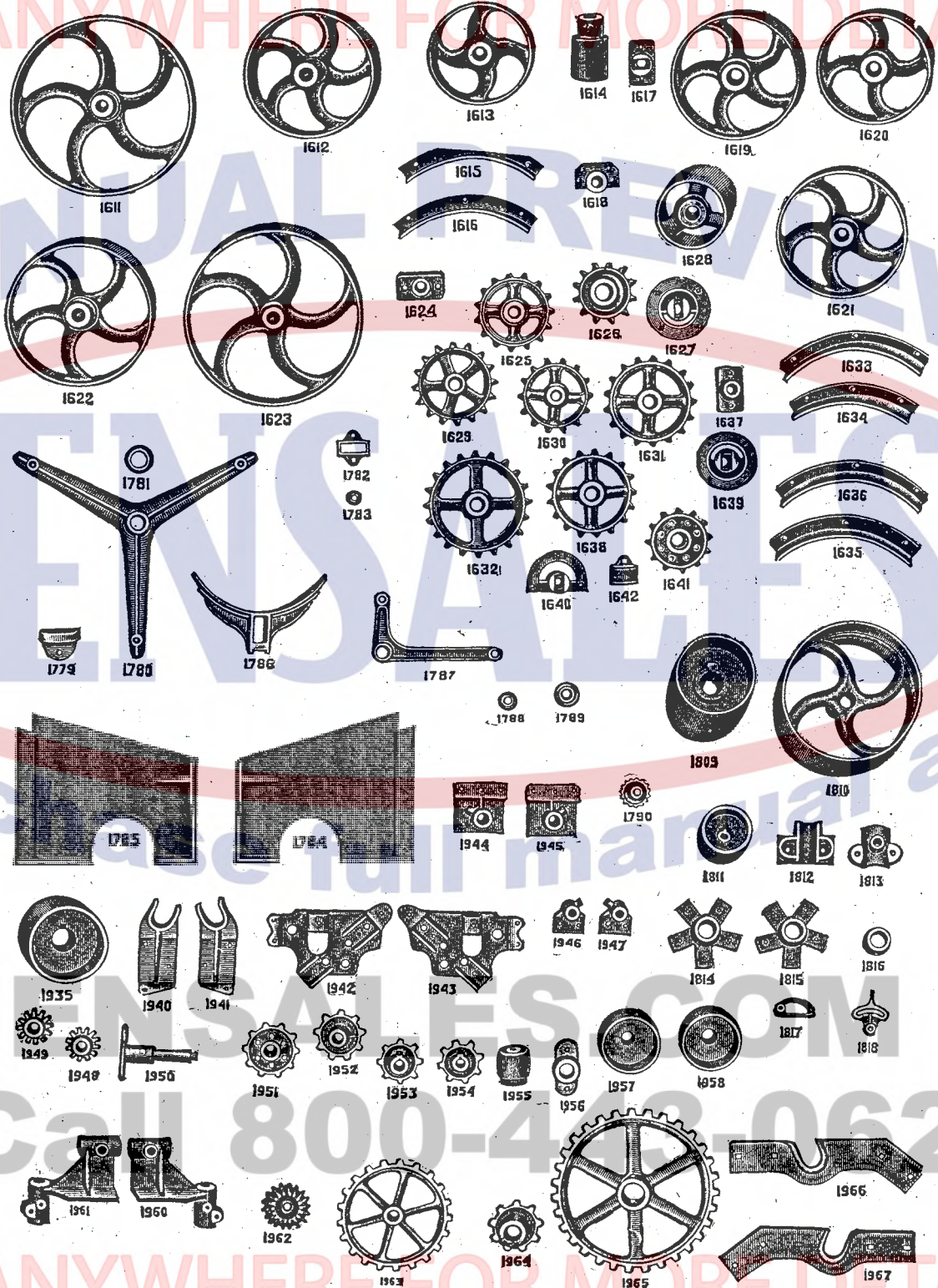
TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

Parts Manual

AV-P-19X30 THR



Always give number of Separator when ordering repairs.



SEPARATING AND GRAIN PAN CASTINGS AND PARTS—Continued

Code	Price	No.	DESCRIPTION	Used on
Scathless	1.75	1471	Front rocker arm, left, with 1½-in. pin, 1½-in. bore. All separators after No. 3571 and before No. 6540, except 22x36	Separator
Scathly	1.20	1472	Box for front rocker on straw rack, 1½-in. bore. After Sep. No. 3571	"
Scatter	1.75	1473	Box for front rocker on Separator grain pan, 1½-in. bore. After Sep. No. 3571	"
Scenograph	1.30	1489	Box for rear rocker on straw rack, for ¾-in. bolts, 1½-in. bore. Also box for rear straw rack	"
Seaegg	.15	1782	Socket for cross ties to table rails. After Sep. No. 4054	"
Selector	1.70	2062	Front rocker arm, right, for 36-in.	"
Selenate	1.70	2063	Front rocker arm, left, for 36-in.	"
Seta	1.75	2210	Front rocker arm, right, with 1½-in. pin, 1½-in. bore. All except 22x36 after No. 6540 except So. American. All So. American after No. 6481	"
Setaber	1.75	2211	Front rocker arm, left, with 1½-in. pin, 1½-in. bore. All except 22x36 after No. 6540, except So. American. All So. American after No. 6481	"
Setace	1.15	2212	Rear rocker arm, right. All except 22x36 after No. 6540, except So. American. All So. American after No. 6481	"
Setaceous	1.15	2213	Rear rocker arm, left. All except 22x36 after No. 6540, except So. American. All So. American after No. 6481	"
Terravent	.25		Box, wood only, on crank shaft pitman, 1½-in. bore, for rockers Nos. 579, 580, 2062 and 2063	"
Terravex	.20		Box, wood only, on crank shaft pitman, 1½-in. bore, for rockers Nos. 1470 and 1471	"
Terrayan	.20		Box, wood only, on crank shaft pitman for crank, 1½-in. bore	"
Terrayanic	.20		Box, wood only on crank shaft pitman for crank, 1½-in. bore	"
Terrayer	.30		Box, wood only, for shoe pitman on eccentric No. 1312	"
Terrayerst	.30		Box, wood only, for shoe pitman on eccentric No. 1464	"
Terraying	.30		Box, wood only, for shoe pitman on stud No. 1311, and vibrating taller pitman	"
Terraylor	.20		Box, wood only, for shoe shake pitman under shoe. Used in year 1902 only	"
Terraylost	1.15		Steel pitman from crank shaft to rockers Nos. 2062 and 2063	"
Terrayo	1.75		Steel pitman from crank shaft to rockers Nos. 579 and 580. Before year 1905	"
Terrayome	1.75		Steel pitman from 2-in. crank shaft to rocker shaft. In year 1905 and since	"
Terrayomar	2.50		Steel pitman from 1½-in. crank shaft to shoe stud No. 1311 for 36-in. separator	"
Terrayon	3.00		Steel pitman from 1½-in. crank shaft to shoe stud No. 1311 for 42, 48, 54, 60, 64 and 70-in. separator. Before year 1905	"
Terrayope	3.00		Steel pitman from 2-in. crank shaft to shoe stud No. 1311. In year 1905 and since	"
Terrel	4.00		Steel pitman from pulleys Nos. 105 and 1465 to lever No. 106 for vibrating taller. 1903 and since	"
Terresol	.75		Steel pitman from shoe shake crank shaft to shoe. Used in year 1902 only	"
Terret	.75		Wood pitman from crank shaft to rockers Nos. 579 and 580	"
Terriac	1.50		Wood pitman from pulley No. 105 to lever No. 106. Vibrating taller before 1903. Give size of Separator	"
Testy	.40		Wood pitman from shoe from grain pan to No. 551. Before year 1902	"
Testybo	.10		Wood hanger 9-in. long for vibrating taller from No. 645 to No. 182	"
Terribo	.50		Spring for shoe and vibrator pan	"
Terriboat	26.75		Separator straw rack, complete. 36-in.	"
Terrihob	26.00		Separator straw rack, complete. 42-in.	"
Terrihobben	27.50		Separator straw rack, complete. 48-in.	"
Terrihobber	29.00		Separator straw rack, complete. 54-in.	"
Terribobbing	30.50		Separator straw rack, complete. 60-in.	"
Terribock	33.00		Separator straw rack, complete. 64-in.	"
Terribodent	34.50		Separator straw rack, complete. 70-in.	"
Terrihog	11.00		Separator straw rack extension. 42-in.	"
Terribogack	11.50		Separator straw rack extension. 48-in.	"
Terribogal	12.00		Separator straw rack extension. 54-in.	"
Terribogant	12.50		Separator straw rack extension. 60-in.	"
Terriboger	13.00		Separator straw rack extension. 64-in.	"
Terribogest	13.50		Separator straw rack extension. 70-in.	"
Terriboded	11.00		Vibrating taller straw rack, complete. 42-in.	"
Terriboding	11.50		Vibrating taller straw rack, complete. 48-in.	"
Terribodor	12.00		Vibrating taller straw rack, complete. 54-in.	"
Terribole	12.50		Vibrating taller straw rack, complete. 60-in.	"
Terribolin	14.00		Vibrating taller straw rack, complete. 64-in.	"
Terribolock	14.50		Vibrating taller straw rack, complete. 70-in.	"
Terribolux	19.25		Separator grain pan, complete. 36-in.	"
Terribonack	22.00		Separator grain pan, complete. 42-in.	"
Terribonal	23.25		Separator grain pan, complete. 48-in.	"
Terribonent	24.75		Separator grain pan, complete. 54-in.	"
Terriboner	26.50		Separator grain pan, complete. 60-in.	"
Terriboni	27.50		Separator grain pan, complete. 64-in.	"
Terribonile	28.50		Separator grain pan, complete. 70-in.	"
Terribonist	8.25		Vibrating taller grain pan, complete. 42-in.	"
Terribonot	9.00		Vibrating taller grain pan, complete. 48-in.	"
Terribonuck	9.75		Vibrating taller grain pan, complete. 54-in.	"
Terribonude	10.50		Vibrating taller grain pan, complete. 60-in.	"
Terribony	11.25		Vibrating taller grain pan, complete. 64-in.	"
Terribooby	12.00		Vibrating taller grain pan, complete. 70-in.	"
Terribook	5.25		Steel wire front for separator table. Used in 1906 and since	"
Terriboost	5.75		Steel wire front for separator table. Used in 1906 and since	"

Always give number of Separator when ordering repairs.

COMMON STACKER SHAFTING—Continued

Code	Price	No.	DESCRIPTION	Used on Common Stacker
Tillman	1.45		1½x58½-in. stacker shaft, lower.....	48-in.
Tillot	1.60		1½x64½-in. stacker shaft, lower.....	54-in.
Tilmus	1.70		1½x70½-in. stacker shaft, lower.....	60-in.
Tilter	1.80		1½x74½-in. stacker shaft, lower.....	64-in.
Tiltings	1.90		1½x80½-in. stacker shaft, lower.....	70-in.
Timal	.70		13-16x46½-in. stacker shaft, upper.....	42-in.
Timaline	.75		13-16x52½-in. stacker shaft, upper.....	48-in.
Timbal	.80		13-16x58½-in. stacker shaft, upper.....	54-in.
Timber	.85		13-16x64½-in. stacker shaft, upper.....	60-in.
Timbered	.90		13-16x68½-in. stacker shaft, upper.....	64-in.
Timbering	1.00		13-16x74½-in. stacker shaft, upper.....	70-in.

WIND STACKER SHAFTING

				Wind Stacker
Titlark	.50		1½x16½-in. carrier shaft, lower.....	42-in.
Title	.65		1½x22½-in. carrier shaft, lower.....	48-in.
Titleless	.80		1½x22½-in. carrier shaft, lower.....	54-in.
Titling	.95		1½x34½-in. carrier shaft, lower.....	60-in.
Titmal	1.05		1½x38½-in. carrier shaft, lower.....	64-in.
Titmouse	1.20		1½x44½-in. carrier shaft, lower.....	70-in.
Tiration	1.40		1½x39½-in. carrier shaft, upper.....	42-in.
Titter	1.50		1½x45½-in. carrier shaft, upper.....	48-in.
Titterel	1.60		1½x51½-in. carrier shaft, upper.....	54-in.
Titular	1.70		1½x57½-in. carrier shaft, upper.....	60-in.
Titulary	1.75		1½x61½-in. carrier shaft, upper.....	64-in.
Tituled	1.90		1½x67½-in. carrier shaft, upper.....	70-in.
Toledo	.75		1½x16½-in. shaft for main reverse, short, for all.....	
Tolerack	.55		1½x16-in. shaft for main reverse, long, for.....	42-in.
Tolerate	.65		1½x22-in. shaft for main reverse, long, for.....	48-in.
Tollable	.80		1½x28-in. shaft for main reverse, long, for.....	54-in.
Toller	.90		1½x36-in. shaft for main reverse, long, for.....	60-in.
Tolsey	1.00		1½x38-in. shaft for main reverse, long, for.....	64-in.
Tolute	1.10		1½x44-in. shaft for main reverse, long, for.....	70-in.
Toboler	.80		1½x11-in. hand gear shaft.....	
Toluately	.90		1½x21½-in. fan shaft.....	
Toluateing	1.10		1½x48½-in. chaff auger shaft, for.....	36-in.

SEPARATOR SHAFTING

Timbrant	2.50		1½x52½-in. beater shaft.....	36-in. Separator
Time	2.70		1½x62½-in. beater shaft.....	42-in.
Timeful	2.90		1½x68½-in. beater shaft.....	48-in.
Timeling	3.10		1½x74½-in. beater shaft.....	54-in.
Timely	3.30		1½x80½-in. beater shaft.....	60-in.
Timeous	5.00		1½x84½-in. beater shaft with ends turned down to 1½-in. Before Sep. No. 4003.....	64-in.
Timeping	5.00		1½x84½-in. beater shaft, full size. After Sep. No. 4002.....	64-in.
Timer	5.40		1½x90½-in. beater shaft with ends turned down to 1½-in. Before Sep. No. 3630.....	70-in.
Timick	5.40		1½x90½-in. beater shaft, full size. After Sep. No. 3629.....	70-in.
Timist	6.50		1%-in. journal x 61-in. crank shaft. Before Sep. No. 2551. For.....	28x42-in.
Timmer	6.75		1%-in. journal x 67-in. crank shaft. Before Sep. No. 2551. For.....	28x48-in. and 32x48-in.
Timoneer	6.75		1%-in. journal x 73-in. crank shaft. Before Sep. No. 2551. For.....	32x54-in.
Timorous	6.75		1%-in. journal x 74½-in. crank shaft. Before Sep. No. 2551. For.....	36x54-in.
Timothy	7.00		1%-in. journal x 79-in. crank shaft. Before Sep. No. 2551. For.....	32x60-in. and 36x60-in.
Timous	7.00		1%-in. journal x 80½-in. crank shaft. Before Sep. No. 2551. For.....	42x60-in.
Timpano	7.00		1%-in. journal x 83-in. crank shaft. Before Sep. No. 2551. For.....	42x64-in.
Tinamon	7.25		1%-in. journal x 89-in. crank shaft. Before Sep. No. 2551. For.....	36x70-in. and 42x70-in.
Tinary	6.50		1%-in. journal x 64-in. crank shaft. After Sep. No. 2550 and before Sep. No. 3572. For.....	42-in.
Tineberry	6.75		1½-in. journal x 70-in. crank shaft. After Sep. No. 2550 and before Sep. No. 3572. For.....	48-in.
Tincal	7.00		1%-in. journal x 76-in. crank shaft. After Sep. No. 2550 and before Sep. No. 3572. For.....	54-in.
Tinchel	7.25		1%-in. journal x 82-in. crank shaft. After Sep. No. 2550 and before Sep. No. 3572. For.....	60-in.
Tinco	7.50		1%-in. journal x 86-in. crank shaft. After Sep. No. 2550 and before Sep. No. 3572. For.....	64-in.
Tincter	7.75		1%-in. journal x 92-in. crank shaft. After Sep. No. 2550 and before Sep. No. 3572. For.....	70-in.
Tictorial	11.75		1%-in. journal x 55½-in. crank shaft, for.....	22x36-in.
Tinctorat	12.00		1%-in. journal x 65-in. crank shaft. After Sep. No. 3571. For.....	42-in.
Tinctorase	12.25		1%-in. journal x 71-in. crank shaft. After Sep. No. 3571. For.....	48-in.
Tinctorent	12.50		1%-in. journal x 77-in. crank shaft. After Sep. No. 3571. For.....	54-in.
Tinctum	12.75		1%-in. journal x 83-in. crank shaft. After Sep. No. 3571. For.....	60-in.
Tinctune	13.00		1%-in. journal x 87-in. crank shaft. After Sep. No. 3571. For.....	64-in.
Tinctup	13.50		1%-in. journal x 93-in. crank shaft. After Sep. No. 3571. For.....	70-in.
Tincturan	10.00		2¼x62-in. cylinder shaft.....	22x36-in.
Tincture	10.50		2¼x72-in. cylinder shaft.....	28x42-in.
Tinctless	11.00		2¼x78-in. cylinder shaft.....	28x48-in.
Tincup	11.00		2¼x78-in. cylinder shaft.....	32x48-in.

Always give number of Separator when ordering repairs.

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THE BAND CUTTER

SIMPLE

The shaft is one and three-eighths cold rolled steel, the very best that money can buy.

The knives are made of steel rolled thin and have serrated points. They are made in two pieces, the knife proper and a heel plate, and are held in place by means of interlocking collars.

The lugs on one collar extending through holes in the knife and fitting into the collar on the other side of the knife.

The collar at one end of the shaft is screwed on, and is called a lock-nut.

To remove the knives unscrew the lock-nut, when they may be taken out by sliding the collars along on the shaft.

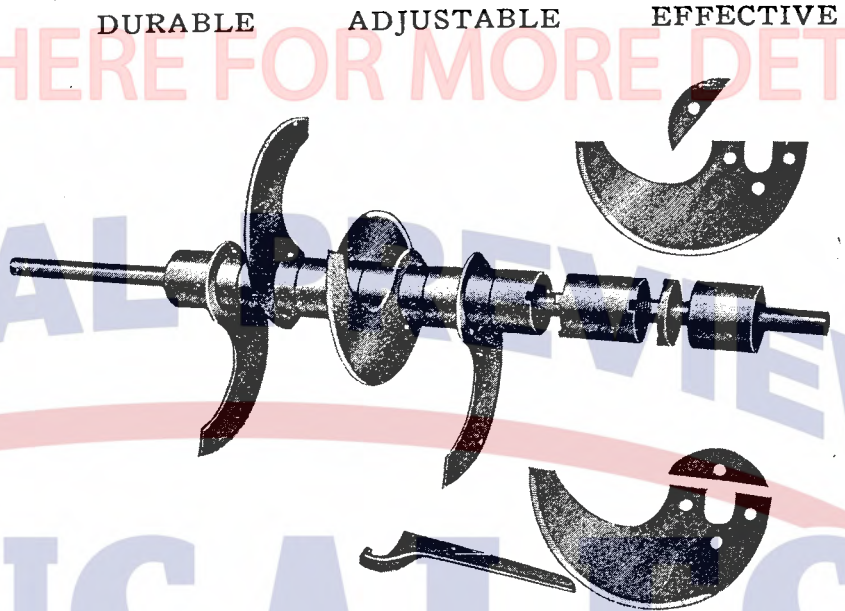
This may be done without removing the belt and in less than a minute.

The Band Cutter runs slowly and the knives stay sharp a long time.

It is also provided with a lever by which it may be raised or lowered.

Speed of Band Cutter Shaft should be 280 to 300.

Speed of Upper Crank Shaft, 220 to 230. Speed of Lower Crank Shaft, 170 to 180.



THE RETARDER

The only retarder in a self-feeder that does not revolve. It is made of heavy cast iron and extends across the width of the feeder just in front of the cylinder, and forms the support for one end of the lower feed rakes.

The cut below shows the retarder in place, and its position in relation to the separator cylinder.

A lever on the outside is used to remove the retarder forward or backward, thus bringing the points nearer to, or farther away from the cylinder teeth. In this manner an adjustable throat between the feeder and the cylinder is obtained.

When the lever is pushed as far down as it will go, the points of the retarder are three and one-half inches from the points of the cylinder teeth.

When raised to highest limit the points of the retarder withdraw until they are about seven inches from the cylinder teeth.

The long finger in the center is not acted upon by the lever, but remains stationary with the point less than one inch from the cylinder teeth, thus making it impossible for a bundle of grain to get between the concaves and the cylinder crossways.

In other words, the GARDEN CITY FEEDER turns the bundles before delivering them to the cylinder, regardless of how they are thrown upon the carrier; no other feeder can do this.

