

*Fairmont*  
**RAILWAY MOTOR CARS**  
**AND WORK EQUIPMENT**



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**NOTE:** Fairmont Railway Motors, Inc., manufactures two lines of cars that are similar except that one line is equipped with the Fairmont Roller Bearing Engine and the other with the Fairmont Ball Bearing Engine. For your convenience, these lines have been segregated in this bulletin as indicated by the index. Accessories are grouped together on pages 24 and 25 so that you can readily refer to them while studying any of the cars.



# CONDENSED SPECIFICATIONS . . .

## INSPECTION AND SECTION CARS

CLASSIFICATION	DESCRIPTION	EXTENSION LIFT	MODELS WITH ROLLER BEARING ENGINE	WEIGHT	MODELS WITH BALL BEARING ENGINE	WEIGHT	HORSE POWER
INSPECTION	1-2 Men — Lightweight Aluminum	98	M9 Series D	540	M9 Series C	510	5-8
	1-2 Men — Oak — Steel Frame	107	59 Series D	605	59 Series C	605	5-8
	1-4 Men — Lightweight Aluminum	98	M19 Series E	610	M19 Series D	610	5-8
LIGHT SECTION	1-6 Men — Steel Frame	112	M14 Series G	835	M14 Series E	775	5-8
STANDARD SECTION	1-8 Men — Steel Frame	148	S2 Series F	975	S2 Series E	960	8-13
HEAVY DUTY SECTION	2-10 Men — Steel Frame		S2 Series G	1150			8-13

\*Can be equipped with two-speed gear to increase drawbar pull.

## GANG CARS

GANG CARS 1-7 Trailers	4 Cylinder — 4 Speed	A3 Series C	Weight 1500	20 Horsepower
	4 Cylinder — 4 Speed	A5 Series C	Weight 1800	36 Horsepower
	8 Cylinder — 4 Speed	A6 Series C	Weight 2400	85 Horsepower

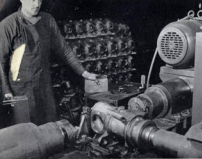
## PUSH CARS AND TRAILERS

CLASSIFICATION	MODELS				CAPACITY (Pounds)	FRAME	AXLES	WHEELS
	With Brakes	Weight	Without Brakes	Weight				
PUSH CARS Lightweight	TT9 Series A	390	T9 Series A	350	1000	Steel	1 - 3/16"	14" x 1/4"
	TT19 Series A	535	T19 Series A	495	2000	Steel	1 - 5/16"	18" x 1/4"
	TT1 Series D	620	T1 Series D	560	6000	Wood	1 - 7/16"	18" x 1/4"
PUSH CARS Standard	TT12 Series D	780	T12 Series D	720	10000	Wood	1 - 7/8"	18" x 5/16"
	TT11 Series D	705	T11 Series D	645	6000	Steel	1 - 7/16"	18" x 1/4"
	TT14 Series A	870	T14 Series A	810	10000	Steel	1 - 7/8"	18" x 5/16"
TRAILERS Special Purpose			T15 Series A	450	1750	Steel	1 - 3/16"	14" x 1/4"
			T16 Series B	460	1750	Steel	1 - 3/16"	14" x 1/4"
GANG TRAILERS	FOUR MODELS OF 20-MAN CAPACITY. Obtained by applying M34236 detachable housing seat and side steps to Push Cars TT1, TT12, TT11, and TT14.							

## WORK EQUIPMENT

WEED MOWERS	W54 Series D	One Cutter Bar	Weight 1,100	WEED BURNERS	W44 Series B	Open Flame — 3 Nozzle	Weight 11,100
	M5 Series A	Two Cutter Bars	Weight 2,400		M27 Series G	Oven Type	Weight 20,100
	M24 Series E	Two Cutter Bars	Weight 3,200		W55 Series A	Open Flame — 5 Nozzle	Weight 17,700
BALLAST DRAINAGE	M25 Series D	Small Discer	Weight 3,600	EXTINGUISHER CARS	T27 Series C	Tank and Pump	Weight 1,900
	M23 Series E	Large Power Unit	Weight 14,000		T28 Series A	Tank Only	Weight 1,300
DERRICK CAR	W60 Series A	Manually Operated	Weight 1,700	SPOT BOARD	Symbol 43500	High Speed — Complete	Weight 70

Fairmont Railway Motors, Inc. reserves the right to make changes in specifications or prices without incurring obligation to have same apply on equipment previously sold. Substitute materials necessitated by the war may cause a variation in our weight.



## IDEALS OF SERVICE THAT KEEP

Thirty-five years of specialization in the railway maintenance field has built here at Fairmont the largest and most modern facilities for the development and manufacture of railway motor cars.

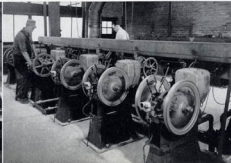
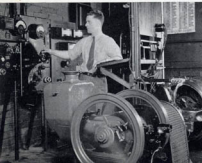
The photographs reproduced on these pages picture some of the operations which are back of the enviable performance records established by Fairmont products.

Painstaking care by skilled craftsmen, with machines and tools of the utmost precision, produces the dependability and accuracy for which Fairmont products are so well known.

Impossible to picture here, but of the utmost importance to the buyer of railway motor cars and work equipment, is the accumulated experience resulting from our specialized work in one field. This specialization has brought the entire Fairmont organization close to your problems and has made possible the powerful, light weight and dependable Fairmonts.

This understanding of your problems has developed Fairmont's broad policy of standardizing fundamentals—making possible the maximum interchangeability. This permits our customers to carry

**FAIRMONT RAILWAY MOTORS, INC., FAIRMONT**





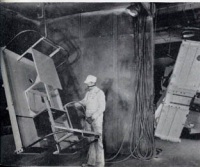
## FAIRMONT FIRST

smaller stocks of replacement parts and makes improvements adaptable to Fairmont cars already in service.

Fairmont's close cooperation with maintenance departments has also produced a positive control in proving new design before recommending the improvement to the field. A control which saves time, money and energy for Fairmont customers and which has contributed much in building the faith which railroad men have in Fairmont products.

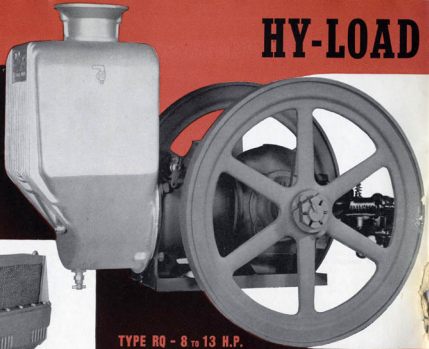
These ideals of service keep Fairmont first and explain why more than half of all motor cars in service are Fairmonts.

MINNESOTA, U.S.A.

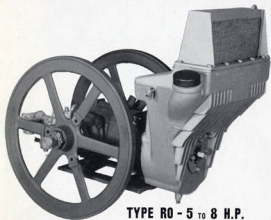


# Fairmont

# HY-LOAD



**TYPE RQ - 8 TO 13 H.P.**



**TYPE RO - 5 TO 8 H.P.**

## EXTRA POWER

All Fairmont engines carry a conservative double horse power rating. The lower rating is the horse power at maximum torque; the higher rating is the maximum horse power. Every Fairmont engine is thoroughly tested and run in at the factory, and must pull up to its maximum rated horse power. The RO (5-8 hpi) engines have a 3-3/4" bore and a 3-1/4" stroke, and the RQ (8-13 hpi) engines have a 4-3/4" bore and 4-3/4" stroke, insuring ample reserve power for extraordinary conditions.

# ROLLER BEARING ENGINES

**LOW COST . . DEPENDABLE . . SURPLUS POWER**

# Power

**FOR INSPECTION AND SECTION CARS**

Six years ago Fairmont introduced the HY-LOAD Roller Bearing Engine, to the railroad industry, with the assurance that it would outperform engines previously built for inspection and section motor car service. Today the extra service capacity and greater performance efficiency of these engines are recorded in the service records of the majority of American railroads.

The simple, compact, modern design of this roller bearing engine has answered the ever increasing demand for greater efficiency and light weight. It develops full torque at usable speeds, and maintains high torque over a wide range of track speeds, so that its power is smooth and economical. Crankcase and cylinder block are cast in one piece which makes the engine lighter and sturdier and maintains the original accuracy in piston-bore-to-crankshaft alignment. The efficient Fairmont carburetor supplies a uniform, fast-firing mixture that results in snappy pick-up. Fairmont's patented throttle valve keeps a full charge of mixture at maximum pressure in the crankcase, releasing it only in quantities necessary to meet specific conditions. This permits operation as slow as a walk

without stutter or miss in the engine. Open screen type of air cleaner is standard equipment on all inspection and section cars. The Fairmont Hy-Duty timer is the essence of simplicity, with no gears, shafts, or bearings. It operates efficiently in either direction of rotation.

## **STEAM-COOLED . . FREEZE-PROOF**

No method equals the efficiency and simplicity of steam-cooling. Steam, formed at the cylinder, rises instantly and transfers the heat removed to the jacket or condenser where an adequate cooling area quickly dissipates the heat into the air. The steam condenses into water and drops back into the jacket to be used again. The system requires no pumps, pipes, blowers, or fans which eat up horsepower. It provides the largest cooling capacity (full length of piston ring travel), gives the fastest heat transmission possible, and insures uniform cooling in the engine regardless of air temperature. The removable water jacket cannot be injured by freezing if filled to the proper indicated level.



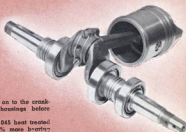
## **SIMPLICITY PLUS BETTER PERFORMANCE**

The Fairmont Endless Cord Belt Drive has only four parts — the belt, two pulleys and Timken bearing idler control. This transmission provides the utmost in simplicity, and has proved under all conditions to be the most efficient type of drive known for inspection and section cars. Railroad records show that Genuine Fairmont Endless Cord Belts give years of service at an average cost of less than one dollar a year.

## **INCREASED LOAD CAPACITY AND SIMPLIFIED MAINTENANCE**

By using three roller bearings to support the sturdy crankshaft, Fairmont has increased load capacity and greatly simplified crankshaft bearing maintenance as the inner races of bearings are pressed on to the crankshaft and the outer races into the bearing housings before assembly.

Three Hy-Load roller bearings on this S.A.E. 1045 heat treated drop forged steel, taper fit crankshaft insure 40% more bearing capacity than provided by ball bearings.



# INSPECTION CAR

## M9 SERIES D

ONE TO TWO MEN . . 500  
POUND LOAD CAPACITY



### MINIMUM LIFTING WEIGHT FOR ONE MAN

This M9 Series D is the ideal motor car for signal maintainers and for all one to two men jobs where light weight is important.

Spring Mounted for riding comfort — Aluminum Alloy Frame for light weight — Fairmont Hy-Load roller bearing, water cooled engine for surplus power and flexibility.

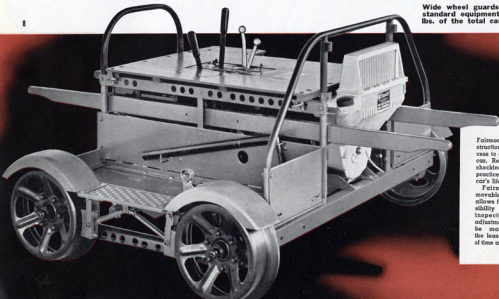
Rear lift only 98 pounds, reinforced lift handles and strong rail skids make it easy for one man to lift the car on or off track quickly. The power and light weight safety features of this M9-D make it a popular car with roadmasters, inspectors and signal maintainers. This efficient one-man motor car helps considerably in handling the extra demands of today's signal and inspection service. Refer to Bulletin 391 for complete details.

**SPECIFICATIONS:** ENGINE: Fairmont RO Hy-Load Roller Bearing (5-8 hp). See pages 6, 7. TRANSMISSION: Endless cord belt with Timken bearing idler control. LENGTH: 81". WIDTH: 64-1/8". HEIGHT: (above rails) 34-11/16". TOOL TRAYS (2): 43-1/2" x 14-5/8", 8-3/4" deep front, 2-1/2" rear. WHEELS: 14" x 1/4" demountable. AXLE (drive): 1-3/16". AXLE (front): 1-3/16" differential. AXLE BEARINGS: 1-3/16" Timken double row. SEATING SPACE: 2 men. LOAD CAPACITY: 500 lbs. CAR WEIGHT: 340 lbs. LIFT WEIGHT: 98 lbs.

**ACCESSORIES:** Narrow or Wide Windshields (plain or with windows), Cab Top, Adjustable Windguard, Canvas Cover, Side Seats (right and left), Seat Cushion, Front End Skid, Set-On Skids, Rail Sweepers, Generator and Lights, Dry Cell Headlight, Hand and Foot Gears, Blade Pulley, Oil Bath Air Cleaner, Magneto, Muller.

For description of accessories see pages 24 and 25.

Wide wheel guards, side exhaust, and air cleaner are standard equipment and account for approximately 15 lbs. of the total car weight.



Fairmont design and construction permits easy access to all vital parts of the car. Regular cleaning and checking of parts is a good practice as it adds to the car's life and good service.

Fairmont's removable seat top allows full accessibility for easy inspection and adjustments can be made with the least amount of time and effort.





## THE MOST POPULAR INSPECTION CAR MADE

Most roadmasters, supervisors and signal maintainers use and prefer the Fairmont M19 Series E because of the extra service and comfort which it provides. Spring mounted to cushion the entire car the M19 provides the utmost riding comfort for long trips. Fairmont's Hy-Load roller bearing water cooled engine provides great power without over heating with continuous hard use. Fairmont's endless cord belt drive with free running engine permits stopping car without stopping the engine.

With a rear lift of only 98 pounds and with Fairmont lift handles located low for easy handling this car is lifted on or off the rails easily by one man. Specify this time-proved M19 Series E for any one to four men service. Refer to Bulletin 396 for complete details.

Wide wheel guards, side exhaust, and air cleaner are standard equipment and account for approximately 15 lbs. of the total car weight.

**SPECIFICATIONS:** ENGINE: Fairmont RO Hy-Load Roller Bearing (5-8 hpl. See pages 6, 7. TRANSMISSION: Endless cord belt with Timken bearing idler control. LENGTH: 85". WIDTH: 64-1/8". HEIGHT: (above rails) 39-9/16". TOOL TRAYS (2): 53-11/16" x 14-5/8", 3-1/2" deep front, 2-1/2" rear. WHEELS: 16" x 1/4" demountable. AXLE (drive): 1-3/16". AXLE (brake): 1-3/16" differential. AXLE BEARINGS: 1-3/16" Timken double row. SEATING SPACE: 4 men. LOAD CAPACITY: 750 lbs. CAR WEIGHT: 610 lbs. LIFT WEIGHT: 98 lbs.

**ACCESSORIES:** Narrow or Wide Windshields (plain or with windows). Cab Top. Adjustable Windguard. Canvas Cover. Side Seats (right and left). Seat Cushion. Front End Skid. Set-Off Skids. Rail Sweeps. Generator and Lights. Dry Cell Headlight. Hand and Foot Gears. Blade Pulley. Oil Bath Air Cleaner. Magneto. Muffler.

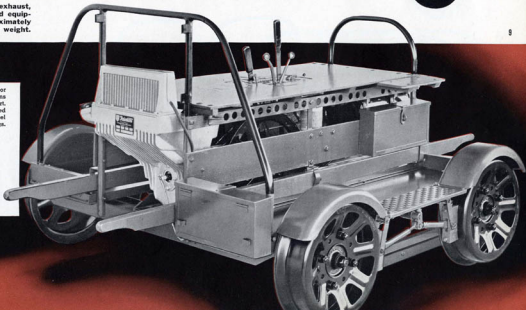
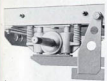
For description of accessories see pages 24 and 25.

# INSPECTION CAR M19 SERIES E

ONE TO FOUR MEN . . 750  
POUND LOAD CAPACITY



Men ride these cars 100 miles or more a day and Fairmont cushions the entire frame for their comfort. Main axle bearings are cushioned by two springs, guided by steel tubes operating in Oildite bushings.



# INSPECTION CAR

## 59 SERIES D

ONE TO TWO MEN . . 500  
POUND LOAD CAPACITY



### EXTRA LARGE TOOL TRAY FOR BULKY LOADS

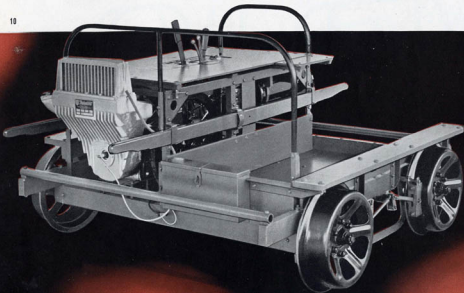
Signal maintainers, also telegraph men need a car with extra large tray space for bulky material and light enough for one man to handle. The Fairmont 59 series D fits perfectly into that service and many signal departments find it is the most efficient and economical answer for their requirements.

Rear lift only 107 pounds, reinforced lift handles make it easy for one man to lift the car on or off the track without delay. This car offers you the performance advantages of Fairmont's Hy-Load, roller bearing, water cooled engine, endless cord belt drive, and demountable wheels. Refer to Bulletin 389 for complete details.

**SPECIFICATIONS:** ENGINE: Fairmont 80 Hy-Load Roller Bearing (5-8 hp). See pages 6, 7. TRANSMISSION: Endless cord belt with Timken bearing idler control. LENGTH: 48-3/8". WIDTH: 43-1/4". HEIGHT (above rails): 38-11/16". TOOL TRAY (lb): 42-1/2" x 25", 6" deep front, 2-11/16" rear. WHEELS: 14" x 1/4" demountable. AXLE (drive): 1-3/16". AXLE (brake): 1-3/16" one piece. AXLE BEARINGS: 1-3/16" Timken double row. SEATING SPACE: 2 men. LOAD CAPACITY: 500 lbs. CAR WEIGHT: 605 lbs. LIFT WEIGHT: 107 lbs.

**ACCESSORIES:** Narrow or Wide Windshields (plain or with windows). Adjustable Windguard. Canvas Cover. Side Seats (Self only). Seat Cushion. Front End Skid. Blade Pulley. Rail Sweeps. Generator and Lights. Dry Cell Headlight. Hand and Foot Gongs. Oil Bath Air Cleaner. Magneto. Muffler.

For description of accessories see pages 24 and 25.



Designed for the specific purpose of safely carrying cumbersome loads this car has exceptional strength without undue weight. Note the sturdy construction — two side sills, three cross beams, one long diagonal sway brace, two steel engine sills and steel tubing lifting pipes.



## REAR LIFT ONLY 112 POUNDS

Here's a section car light enough for one man to lift on or off the track, big enough for six men to ride and with ample power to tow a 3000 pound load up a 1/2% grade at 24 M.P.H. The M14 Series G is time proved and its broad utility is lowering operating and maintenance cost for roads everywhere. It's the ideal and economical branch line section car — it has the power, the light weight and the seating space. Fairmont's Hy-Load roller bearing, water cooled engine, endless cord belt drive, demountable wheels, differential axle combine to make this M14-G the finest performing car in its class. Refer to Bulletin 397 for complete details.

**SPECIFICATIONS:** ENGINE: Fairmont 80 Hy-Load Roller Bearing (58 h.p. See pages 6, 7. TRANSMISSION: Endless cord belt with Timken bearing idler control. LENGTH: 88-5/8". WIDTH: 63". HEIGHT (above rails) 43-1/16". TOOL TRAYS (2): 87-1/8" x 14-3/16", 8-3/16" deep front, 5-1/4" rear. WHEELS: 16" x 1/4" demountable. AXLE (drive) 1-5/16". AXLE (front) 1-5/16" differential. AXLE BEARINGS: 1-5/16" Timken double row (1-7/16" axles and bearings optional). SEATING SPACE: 6 men. LOAD CAPACITY: 1200 lbs. CAR WEIGHT: 825 lbs. LIFT WEIGHT: 112 lbs.

**ACCESSORIES:** Narrow or Wide Windshields (plain or with windows). Cab Top. Two Speed Gear. Canvas Cover. Couplers (spring, safety, link). Generator and Lights. Dry Cell Headlight. Hand and Foot Gears. Blade Pulley. Seat Cushion. Oil Bath Air Cleaner. Rail Sweeps. Magneto, Muffler.

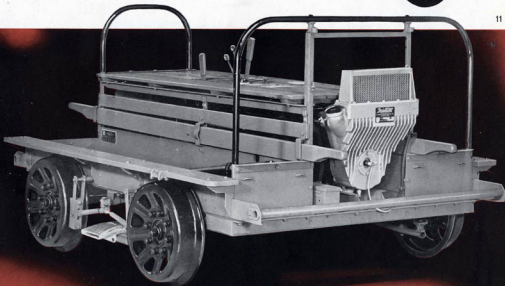
For description of accessories see pages 24 and 25.

**LIGHT  
SECTION  
CAR**  
**M14 SERIES G**  
**ONE TO SIX MEN . . 1200  
POUND LOAD CAPACITY**



Here is a splendid example of modern design, strength and sturdiness with light weight. The rear lift of only 112 pounds is easily handled by one man with the aid of lift handles which extend either front or rear.

Note also the Side Exhaust, a Fairmont feature which keeps engine fumes away from operator.



# STANDARD SECTION CAR S2 SERIES F

ONE TO EIGHT MEN . . 1800  
POUND LOAD CAPACITY



## ROOM FOR EIGHT . . POWER FOR TWO HEAVY TRAILERS

This Fairmont S2-F is a real time, work and money saver for section gangs that vary from two to eight men. High strength steel frame of bolted construction reduces car weight and increases load capacity. One man can remove car from track at set-offs or crossings. Fairmont's Hy-Load roller bearing, water cooled engine with endless cord belt drive combine to provide plenty of power—enough to haul 24,000 pounds on level track. Other features which make this car easy to handle and safe include demountable wheels, four wheel brakes with renewable liners, differential axle, rail skids and extension lift handles.

This dependable Fairmont section car will increase your man-power efficiency and cut costs by lowering time losses. Refer to Bulletin 394 for complete details.

**SPECIFICATIONS:** ENGINE: Fairmont RQ Hy-Load Roller Bearing (8-13 hpl. See pages 6, 7. TRANSMISSION: Endless cord belt with Timken bearing idler control. LENGTH: 92". WIDTH: 63-5/16". HEIGHT (above rails) 43-13/16". TOOL TRAYS (2): 66-3/8" x 12-3/8", 7-3/4" deep front, 5 1/4" rear. WHEELS: 16" x 1/4" demountable. AXLE (drive) 1-7/16". AXLE (front): 1-7/16" differential. AXLE BEARINGS: 1-7/16" Timken double row. SEATING SPACE: 8 men. LOAD CAPACITY: 1800 lbs. CAR WEIGHT: 375 lbs. LIFT WEIGHT: 148 lbs.

**ACCESSORIES:** Wide Windshields (plain or with windows). Cab Top, Seat Cushion, Canvas Cover, Rail Sweeps, Two Speed Gear, Turntable, Generator and Lights, Dry Cell Headlight, Hand and Foot Gears, Blade Pulley, Couplers (spring, safety, link), Magneto, Oil Bath Air Cleaner.

For description of above accessories see pages 24 and 25. Additional accessories: Side Steps (hinged), Condenser cooling.

Side-step seats to provide safe seats for 8 additional men are available for S2 and S12 series E and F section cars. Besides increasing the car's seating capacity they assist the men in getting on or off the car. The steps fold back into the tool trays to clear narrow tool house doors and installation in the field is simple and practical.



## LOW COST POWER FOR HEAVIEST SECTION WORK

The valuable all-around performance ability of this powerful heavy-duty section car will cut down costly time losses and solve many problems for maintenance departments. The Fairmont S2 Series G is definitely a heavy-duty section car with the power and stamina to haul track and bridge materials, distribute ties, rail and ballast, patrol track and transport gangs of men quickly, safely, and economically.

Power supplied by Fairmont's powerful (RQ) Hy-Load roller-bearing water cooled engine. Structural steel frame, reinforced with full length diagonal sway brace bolted to each cross member. All Fairmont features for easy, safe operation and economy are included. Refer to Bulletin 386 for complete details.

Note this heavy-duty design and construction to secure rugged strength with undue weight. A full length diagonal sway brace is bolted to each cross member to maintain alignment.



**SPECIFICATIONS:** ENGINE: Fairmont RQ Hy-Load Roller Bearing (8-13 h.p.). See pages 6, 7. TRANSMISSION: Endless cord belt with Timken bearing idler control. LENGTH: 104-3/4". WIDTH: 63-5/16". HEIGHT (above rails): 48-1/8". TOOL TRAYS (2): 81-1/4" x 11-11/32", 8-11/16" deep front, 8-11/16" rear. WHEELS: 20" x 1/4" demountable. AXLE (drive): 1-7/16". AXLE (tread): 1-7/16" differential. AXLE BEARINGS: 1-7/16" Timken double row. SEATING SPACE 10 men. LOAD CAPACITY: 1800 lbs. CAR WEIGHT: 1150 lbs. LIFT WEIGHT 321 lbs.

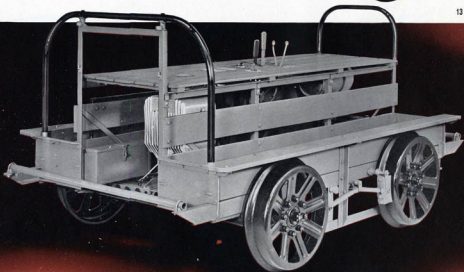
**ACCESSORIES:** Wide Windshields (plain or with windows). Cab Top. Seat Cushion. Canvas Cover. Roll Sweeps. Two Speed Gear. Turntable. Generator and Lights. Dry Cell Headlight. Hand and Foot Gangs. Couplers (spring, safety, link). Oil Bath Air Cleaner. Magneto.

For description of above accessories see pages 24 and 25. Additional Accessory: Side Steps (hinged).

# HEAVY-DUTY SECTION CAR

## S2 SERIES G

TWO TO TEN MEN . . 1800  
POUND LOAD CAPACITY



# GANG CAR

## A3 SERIES C

THREE TO EIGHT MEN . . ONE  
TO THREE TRAILERS . . 2000  
POUND LOAD CAPACITY

## 20 H. P. ENGINE . . FOUR SPEEDS FORWARD OR REVERSE

The 20 H.P. (4 cylinder) water-cooled Hercules engine is "tough" and a "hard worker". Its smooth power is transmitted to the drive wheels through a 4-speed, heavy duty transmission. Speed ranges from 2 M.P.H. in "super-low" to 40 M.P.H. in high gear, forward or reverse.

The Fairmont A3 series C gang car is ideal for towing weed mowers and work equipment, also for towing extra gangs. Driving in reverse is as simple as going forward and the operator has complete visibility at all times. It is a popular car and a good investment, as after the busy season the car can be used for heavy duty section work or B & B service. It is readily handled by two or three men.

Ten years of efficient and economical service have established this car with practically every railroad in the country. Refer to Bulletin 403 for complete details.

**SPECIFICATIONS:** ENGINE: Hercules 2XS 4 cylinder 4 cycle (20 h.p.). TRANSMISSION: 4 speed. DRIVE: Propeller shaft to reversible enclosed gear. LENGTH: 105-3/4". WIDTH: 83-3/4". HEIGHT (above rails): 51". TOOL TRAYS (2): 82-7/32" x 18-3/4", 9-7/8" deep front, 4-1/2" rear. WHEELS: 16" x 5/16" demountable. AXLE (drive): 1-11/16". AXLE (front): 1-7/16" differential. AXLE BEARINGS: Timken double row. SEATING SPACE: 8 men. LOAD CAPACITY: 2000 lbs. CAR WEIGHT: 1500 lbs. LIFT WEIGHT: 320 lbs.

**ACCESSORIES:** Wide Windshields (plain or with windows). Cab Top. Seat Cushion. Canvas Cover. Couplers (spring, safety, link). Rail Sweeps. Turntable. Dry Cell Headlight. Hand and Foot Gang. Air Cleaner.

For description of above accessories see pages 24 and 25. Additional Accessories: Side Steps. Extension Lift Handles. Electric Horn. Oil Filter. Electric Lights. Governor. Electric Starter.

Fairmont design and construction permits easy access to all working parts to allow thorough inspection, cleaning and adjusting. When complete chassis accessibility is needed the entire body may be lifted off in one piece.



## 36 H. P. ENGINE . . FOUR SPEEDS FORWARD OR REVERSE

The Fairmont A5 Series C is a large extra gang car with the power and driving features needed to handle large gangs, tow loaded push cars or work equipment. It has demonstrated its performance ability by pulling 13 trailers with 260 men at 30 M.P.H. on level track.

36 H.P. industrial type Waukesha Engine (4 cylinders, water-cooled)—4-speed heavy duty transmission—4 speeds in either direction. Modern four-wheel self centering brakes.

The A5 seats eight men comfortably and with side steps added will accommodate 18 men. It is definitely a large gang car and will handle large gangs with less lost time and at lower costs. The large number of Fairmont A5's in service gives strong evidence of the car's efficiency. Refer to Bulletin 385 for complete details.

**SPECIFICATIONS:** ENGINE: Waukesha FC 4 cylinder 4 cycle (36 hp). TRANSMISSION: 4 speed. DRIVE: Propeller shaft to reversible enclosed gear. LENGTH: 107'-3/4". WIDTH: 65'-1/4". HEIGHT (above rails): 51'-3/16". TOOL TRAYS (2): 86'-1/4" x 18'-1/4", 9'-7/8" deep front, 4'-1/2" rear. WHEELS: 18" x 5/16" demountable. AXLE (drive): 1-15/16". AXLE (front): 1-15/16" differential. AXLE BEARINGS: 1-15/16" Timken double row. SEATING SPACE: 8 men. LOAD CAPACITY: 3000 lbs. CAR WEIGHT: 1800 lbs. LIFT WEIGHT: 500 lbs.

**ACCESSORIES:** Wide Windshields (plain or with windows). Cab Top. Seat Cushion. Canvas Cover. Couplers (spring, safety, link). Rail Sweeps. Turntable. Dry Cell Headlight. Hand and Foot Gangs. Air Cleaner.

For description of above accessories see pages 24 and 25. Additional Accessories: Side Steps. Extension Lift Handles. Electric Horn. Oil Filter. Electric Lights. Governor. Electric Starter.

# GANG CAR

## A5 SERIES C

THREE TO EIGHT MEN . . ONE  
TO FIVE TRAILERS . . 3000  
POUND LOAD CAPACITY

Fairmont's Directional Gear Unit. Illustrated below, gives operator the advantage of having all four speeds to use for reverse driving. Operator may use any one of the four speeds for reverse driving as well as for forward driving. All gear drive forward or reverse is an exclusive Fairmont feature.



# GANG CAR

## A6 SERIES C

THREE TO TEN MEN . . ONE  
TO SEVEN TRAILERS . . 3500  
POUND LOAD CAPACITY

## 85 H. P. ENGINE . . FOUR SPEEDS FORWARD OR REVERSE

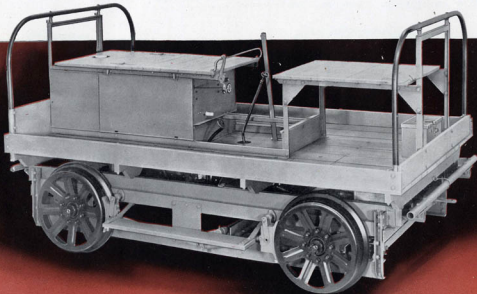
The Fairmont A6 Series C is powered by the Ford V8 85 H.P. engine. This car seats ten men comfortably, will tow large gangs, heavily loaded trailers, discers, weed mowers and other work equipment. The capacity in weight of load and number of trailers which this super giant will handle is limited by drive wheel traction, not engine power. The engine is mounted in rubber and the frame on large coil springs, producing so smooth a ride that the car is often chosen by official parties for inspection trips. A reverse gear permits four speeds in either direction.

Years of service have proved the efficiency and economy of this super-power gang car. It will speed up work and cut costs on dozens of jobs every day. Refer to Bulletin 456 for complete details.

**SPECIFICATIONS:** ENGINE: Ford V-8, 8 cylinder, 4 cycle (85 hpl). TRANSMISSION: 4 speed. DRIVE: Propeller shaft to reversible enclosed gear. LENGTH: 109'-1/2". WIDTH: 74'-3/4". HEIGHT (above rail): 57'-1/4". TOOL TRAYS (2): 103'-7/8" x 18", 9'-7/8" deep front, 5" rear. WHEELS: 20" x 5/16" demountable. AXLE (drive): 1'-15/16". AXLE (front): 1'-15/16" differential. AXLE BEARINGS: 1'-15/16" Timken double row. SEATING SPACE: 10 men. LOAD CAPACITY: 3500 lbs. CAR WEIGHT: 2400 lbs. LIFT WEIGHT: 610 lbs.

**ACCESSORIES:** Wide Windshields (plain or with windows). Cab Top. Seat Cushion. Canvas Cover. Couplers (spring, safety, link). Rail Sweeps. Turntable. Dry Cell Headlight. Hand and Foot Gangs. Oil Bath Air Cleaner.

For description of above accessories see pages 24 and 25. Additional Accessories: Side Steps, Electric Horn, Electric Lights.



No problem to inspect, clean or adjust the engine. The seat cover and side panels on all Fairmont Gang Cars lift away easily and quickly and give operator full engine accessibility.





# Fairmont

## BALL BEARING ENGINES

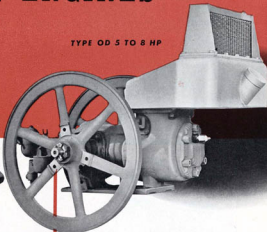
TYPE QBA 8 TO 13 HP



Fairmont builds ball bearing engines in two sizes — the OD 5 to 8 HP for inspection cars and the QBA 8 to 13 HP for section cars. These are single cylinder, two port type, two stroke cycle engines. Fairmont engineers have developed many exclusive features and these engines are well known for dependable, economical power. Their outstanding performance is an important reason for the great popularity of Fairmont Motor Cars.

Smooth operation and economical power are attained because the torque is unusually high at usable track speeds. Crankcase and cylinder block are cast in one piece for light weight without sacrificing strength and to keep crankshaft, bearings, and piston in their original accurate alignment. Easily removed cylinder head allows access to the cylinder and to the piston head. Hy-Economy Fairmont

TYPE OD 5 TO 8 HP



The Fairmont crankshaft of heat-treated, drop-forged SAE 1045 steel is firmly supported by three large ball bearings — two at the crank throw and one to compensate for the belt load. A Ringsaid packing unit seals crankcase compression in, keeping engine power like new for years. Fairmont engines have two counterbalanced flywheels keyed to the crankshaft which effectively equalizes the load imposed on the crankshaft by the power stroke.

carburetor supplies a uniform, fast-firing mixture that results in quick pick-up and economical power. The patented throttle valve controls the incoming fuel so efficiently that the speed, either maximum or slow as a walk, is controlled without stuttering the engine or wasting fuel. Open screen type air cleaner is standard equipment on all section and inspection cars. The exclusive Fairmont Hy-Duty all-weather timer makes for smoother operation at both high and low speeds, forward or reverse. Cooling is accomplished by the efficient Fairmont freeze-proof steam-cooling method. These engines develop full horsepower either forward or reverse, and have maximum reserve power for the jobs they are assigned to handle.

# INSPECTION CAR

## M9 SERIES C

WITH BALL BEARING ENGINE

### EXTRA LIGHT AND EXTRA STRONG

Fairmont secures light weight with rugged strength by using aluminum in the construction of this M9 Series C one to two men inspection car.

The car is ideal for the man who rides alone. One man can lift it on or off the track quickly and its Fairmont OD, free running, water cooled engine starts easily and supplies more than ample power. Wide wheel guards, extension lift handles, front and rear safety rails, rail skids, demountable wheels, four-wheel self centering metal lined brakes and the Fairmont independent front axles are all standard equipment. This car's efficiency and economy has been time proved by over ten years of service on railroads everywhere. Specify the Fairmont M9 for dependable and safe one or two men service. Refer to Bulletin 404 for complete details.

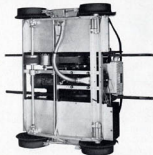
**SPECIFICATIONS:** ENGINE: Fairmont OD Ball Bearing (3-8 hpi) See page 17. TRANSMISSION: Endless cord belt with Tinsken bearing idler control. LENGTH: 77-1/2". WIDTH: 64-5/8". HEIGHT (above rails): 34-5/16". TOOL TRAYS (2): 40-15/16" x 14-7/8", 2-3/8" deep (left front 7-1/2" deep). WHEELS: 14" x 1/4" demountable. AXLE (drive): 1-3/16". AXLE (front): 1-3/16" independent. AXLE BEARINGS: Tinsken. SEATING SPACE: 2 men. LOAD CAPACITY: 500 lbs. CAR WEIGHT: 510 lbs. LIFT WEIGHT: 98 lbs.

**ACCESSORIES:** Narrow or Wide Windshields (plain or with windows), Cab Top, Adjustable Windguard, Canvas Cover, Side Seats (right and left), Seat Cushion, Front End Skid, Set-On Skids, Rail Sweeps, Generator and Lights, Dry Cell Headlight, Hand and Foot Gears, Blade Pulley, Oil Bath Air Cleaner, Magnets, Mullies.

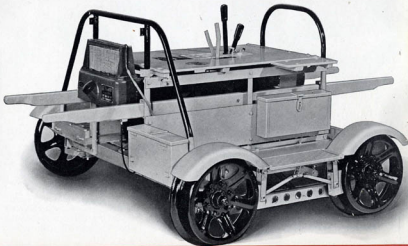
For description of accessories see pages 24 and 25.

Wide wheel guards, side exhaust and air cleaner are standard equipment and account for approximately 16 lbs. of the total car weight.

### ONE TO TWO MEN 500 POUND LOAD CAPACITY



Aluminum frame and several aluminum car members eliminate many pounds of lifting weight without sacrificing car strength. Light weight modern design, with adequate car strength, is a feature of Fairmont inspection cars.



## LIGHT WEIGHT..EASY RIDING..ECONOMICAL

Here is a powerful, roomy, smooth riding, light weight inspection car for one to four men. Aluminum is used in the construction of this car to secure light weight without sacrificing strength. The rear lift is only 98 pounds and Fairmont's patented lift handles are placed low for easy handling. One man can quickly lift the car on or off the track, even on high ballast sections. Spring cushioned axles, the most efficient method for absorbing shock, provide smooth riding comfort—and this is very important as men ride these cars 100 miles and more a day. Fairmont's well known OD water cooled engine supplies ample power for every inspection job requirement.

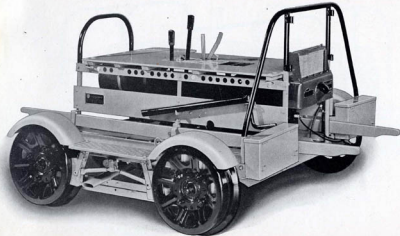
Get these and other important advantages by specifying the Fairmont M19 Series D. Refer to Bulletin 457 for complete details.

**SPECIFICATIONS:** ENGINE: Fairmont OD Ball Bearing (5-8 hp) See page 17. TRANSMISSION: Endless cord belt with Tinsken beasing idler control. LENGTH: 83". WIDTH: 64-1/8". HEIGHT (above rail): 39-9/16". TOOL TRAYS (2): 54-3/32" x 14-3/8", 7-1/2" deep front, 2-1/2" rear. WHEELS: 16" x 1/4" demountable. AXLE (drive): 1-3/16". AXLE (front): 1-3/16" differential. AXLE BEARINGS: 1-3/16" Tinsken double row. SEATING SPACE: 4 men. LOAD CAPACITY: 750 lbs. CAR WEIGHT: 610 lbs. LIFT WEIGHT: 98 lbs.

**ACCESSORIES:** Narrow or Wide Windshields (plain or with windows). Cab Top. Adjustable Windguard. Canvas Cover. Side Seats (left and right). Seat Cushion. Front End Skid. Set-Off Skids. Roll Sweeps. Generator and Lights. Dry Cell Headlight. Hand and Foot Gears. Blade Pulley. Oil Bath Air Cleaner. Magneto. Muffler.

For description of accessories see pages 24 and 25.

Wide wheel guards, side exhaust and air cleaner are standard equipment and account for approximately 18 lbs. of the total car weight.



# INSPECTION CAR

## M19 SERIES D

WITH BALL BEARING ENGINE

ONE TO FOUR MEN  
750 POUND LOAD CAPACITY



The seat top on Fairmont inspection cars is easily removed to provide full access to the engine and other vital parts. Regular inspections help to maintain efficiency. Removing the seat top does not disturb the controls, as the control panel is fastened directly to the car housing.

# INSPECTION CAR

## 59 SERIES C

WITH BALL BEARING ENGINE

### ONE WIDE TRAY . . WELL CENTERED LOAD

Thousands of maintenance men need a light weight 1 to 2 men motor car with extra large space to carry bulky material. The Fairmont 59 provides what these men need without the disadvantages of a side load. The center load safety of the 59 has been thoroughly demonstrated through 14 years of efficient service on railroads everywhere.

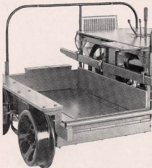
All Fairmont advantages for easy, safe and dependable operation are built into this car—the sturdy Fairmont OD water cooled engine provides the power, and long wearing Fairmont demountable wheels, wide wheel guards, four wheel brakes, and light weight rugged construction insure dependable service. There are dozens of places where the 59 car will fit your requirements and save you time and money. Refer to Bulletin 359 for complete details.

**SPECIFICATIONS:** ENGINE: Fairmont OD Ball Bearing (5-8 hp) See page 17. TRANSMISSION: Endless cord belt with Timken bearing idler control. LENGTH: 68 - 3/4". WIDTH: 63 - 1/4". HEIGHT (above rail) 36 - 11/16". TOOL TRAY (1) 42 - 1/2" x 25", 6" deep front 2 - 11/16" rear. WHEELS: 14" x 1/4" demountable. AXLE (drive) 1 - 3/16". AXLE (tread) 1 - 3/16" one piece. AXLE BEARINGS: 1 - 3/16" Timken double row. SEATING SPACE 2 men. LOAD CAPACITY: 500 lbs. CAR WEIGHT: 605 lbs. LIFT WEIGHT: 107 lbs.

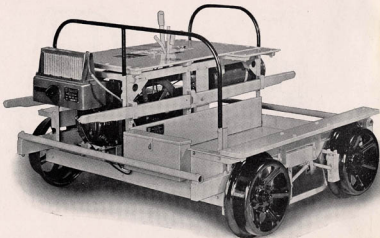
**ACCESSORIES:** Narrow or Wide Windshields (plain or with wind-down). Adjustable Windguard. Canvas Cover. Side Seat (left only). Seat Cushion. Front End Skid. Blade Pulley. Ball Sweeps. Generator and Lights. Dry Cell Headlight. Hand and Foot Gongs. Oil Bath Air Cleaner. Magneto. Muffler.

For description of accessories see pages 24 and 25.

### ONE TO TWO MEN 500 POUND LOAD CAPACITY



This car is built for the definite purpose of safely carrying cumbersome loads. Good balance and comfortable riding are assured as the load is well centered between the rails.



## FOR ONE MAN OR A CREW

There are many sections where this M14 Series E fits the requirements perfectly, because here is a motor car with enough room and power for 6 men and light enough for easy handling on or off the track by one man.

This car has every modern advantage needed for efficient and economical performance, yet the weight at the car has been kept light. These features mean performance on the job—Fairmont's OD, free running, water cooled engine—endless cord belt drive, the most efficient and smoothest transmission for inspection and section motor cars—bolted steel frame, adjustable 4-wheel brakes, demountable wheels, differential axle, rail skids and Fairmont's patented extension lift handles.

Obsolete motor cars are expensive—replace them with modern Fairmonts. Refer to Bulletin 463 for details.

**SPECIFICATIONS:** ENGINE: Fairmont OD Ball Bearing (5-4 hp) See page 17. TRANSMISSION: Endless cord belt with Timken bearing idler control. LENGTH: 88-1/8". WIDTH: 63-5/16". HEIGHT (above rails) 40-7/8". TOOL TRAYS (2): 67-13/16" x 13-1/2", 8" deep front, 3" rear. WHEELS: 16" x 1/4" demountable. AXLE (drive): 1-7/16". AXLE (brake): 1-7/16" differential. AXLE BEARINGS: 1-7/16" Timken double row. SEATING SPACE: 6 men. LOAD CAPACITY: 1200 lbs. CAR WEIGHT: 775 lbs. LIFT WEIGHT: 112 lbs.

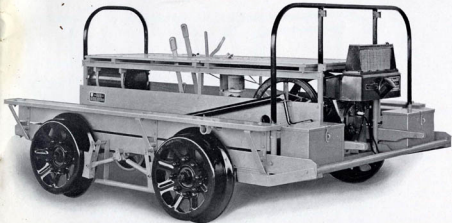
**ACCESSORIES:** Narrow or Wide Windshields (plain or with windows). Cab Top. Two Speed Gear. Canvas Cover. Couplers (spring, safety, link). Generator and Lights. Dry Cell Headlight. Hand and Foot Gongs. Brake Pulley. Seat Cushion. Rail Sweeps. Oil Bath Air Cleaner. Magneto. Muller.

For description of accessories see pages 24 and 25.

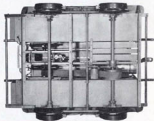
## LIGHT SECTION CAR

### M14 SERIES E

WITH BALL BEARING ENGINE



### ONE TO SIX MEN 1200 POUND LOAD CAPACITY



Fairmont bolted frame construction has been proved superior to any other type of frame construction. It gives you greater durability—also the opportunity to replace individual frame members. Steel angles, channels and braces reinforce the frame so that Fairmont motor cars withstand severe service for years.

# STANDARD SECTION CAR

## S2 SERIES E

WITH BALL BEARING ENGINE

### THIS MODERN SECTION CAR CUTS DOWN TIME LOSSES

Present day conditions require modern, efficient motor cars which save man hours by cutting down time losses. Fairmont's light and powerful S2 Series E is easily handled by two men and by one man at set-offs or crossings and has the room and the power to carry a regular section gang and tools.

This car is built for years of hard service and efficient performance on the job—high strength steel frame of bolted construction, demountable wheels, differential front axle, four wheel brakes with renewable liners, extension lift handles, Fairmont's powerful QBA water cooled engine with endless cord belt drive.

Replace obsolete cars with the modern Fairmont. The car will pay for itself quickly and then pay dividends through dependable, economical performance for many years. Refer to Bulletin 439 for complete details.

**SPECIFICATIONS:** ENGINE: Fairmont QBA Ball Bearing 9-13 hpi See page 17. TRANSMISSION: Endless cord belt with Timken bearing idler control. LENGTH: 80". WIDTH: 63-5/16". HEIGHT (above rails): 43-13/16". TOOL TRAYS (2): 66-3/8" x 12-3/8", 7-3/4" deep front, 5-1/4" rear. WHEELS: 16" x 1/4" demountable. AXLE (drive): 1-7/16". AXLE (front): 1-7/16" differential. AXLE BEARINGS: 1-7/16" Timken double row. SEATING SPACE: 8 men. LOAD CAPACITY: 1800 lbs. CAR WEIGHT: 560 lbs. LIFT WEIGHT: 148 lbs.

**ACCESSORIES:** Wide Windshields (plain or with windows). Cab Top. Seat Cushion. Canvas Cover. Roll Sweeps. Two Speed Gear. Turntable. Generator and Lights. Dry Cell Headlight. Hand and Foot Gongs. Blade Pulley. Couplers (spring, safety, link). Magneto. Oil Bath Air Cleaner.

For description of above accessories see pages 24 and 25. Additional Accessories: Side Steps (hinged), Condenser Cooling.

ONE TO EIGHT MEN  
1800 POUND LOAD CAPACITY



All Fairmont section cars provide construction advantages which permit easy access to the engine and other working parts of the car. Operators appreciate this feature and it prompts regular inspection and cleaning which increases the efficiency and the life of the car.



# *Fairmont* WHEELS . . AXLES . . BEARINGS

## **FAIRMONT Wheels are Safe and Economical**

All Fairmont pressed steel wheels are cold formed, resulting in a smoother, longer wearing wheel with more than enough toughness to withstand the shocks and jolts of active service. Cold forming has one great advantage over other methods, it improves the original properties of the steel. This fact, in combination with the use of high quality, carefully selected and tested steel plate, is positive assurance the Fairmont wheels give greater mileage. Life tests prove conclusively that Fairmont cold formed wheels have no equal. Write for Bulletin 450 for complete details.

## **FAIRMONT Axles Simplify Stores Stock**

Because each Fairmont axle, whether drive, differential, or one-piece loose, has the same size of taper at both ends, stores stocks are materially simplified and reduced. Also, axles of the same diameter have the same size taper which means standardization of wheel and bearing fits and greater interchangeability. Refer to Bulletin 450 for complete information.



FAIRMONT AXLSAVER-TIMKEN ROLLER BEARING

## **FAIRMONT Roller Axle Bearings have Standard Fits**

Fairmont roller axle bearings can be mounted on any standard Fairmont axle of the same nominal size, eliminating the necessity of special fits for the different types of bearings. This interchangeability and standardization are of great customer advantage. Maximum service life is assured because all Fairmont axle bearing installations have the unqualified approval of the bearing manufacturers engineers. Bulletin 450 supplies complete details.



FAIRMONT DEMOUNTABLE WHEEL

# Fairmont MOTOR

## (N) WIDE WINDSHIELD WITH WINDOWS

For all cars. Full size with three large Pyralis windows. Protects men on both sides of car. Easily and quickly applied. Folds up when not in use.



## (O) NARROW WINDSHIELD PLAIN

For all inspection and light section cars. Gives protection for operator. Low enough to see over but air stream is deflected over operator's head. Can be rolled when not in use.



## (R) ADJUSTABLE WINGGUARD

For all inspection cars. Waterproof, top adjustable to suit vision, wind deflected over operator's head. Also available with Plastaclose windows.



## (P) WIDE WINDSHIELD PLAIN

For all cars. Offers protection to men on both sides of car. Low enough for operator to see over, but air stream is deflected over his head. Quickly attached.



## (S) LIGHT SECTION AND GANG CAR CAB TOP

For light section and gang cars. Rubber mounted safety glass windshield windows and screened ventilator openings. For light section cars the rear windshield and side curtains are extra, but are standard for gang car cab tops. Windshield wipers and lights extra.



## (Q) INSPECTION CAR CAB TOP

For inspection cars M9 and M19 only. Shields men from sun, wind, rain, cold, etc. Rubber mounted safety glass windows. Flap covered screened ventilators. Side and rear curtains supplied as an extra.



## (M) NARROW WINDSHIELD WITH WINDOW

For all inspection and light section cars. Gives adequate protection for operator. Large Pyralis window allows clear vision. Can be folded when not in use.



## (BB) SECTION CAR CAB TOP

For standard section cars S2 Series E, F, or G only. Windows of rubber mounted safety glass. Steel frame with sheet metal front and sides, screened ventilators, and canvas covered plywood top. Full protection for all kinds of weather. Side and rear curtains extra.



## (X) CANVAS COVER

Various sizes for all cars. Gives protection to cars that are kept out of doors. Sewn 12 oz. duck with eyelets for tying.





# CAR ACCESSORIES

## (V) GENERATOR, BATTERY, AND LIGHTS

For all inspection and section cars. Eliminates dry cell batteries. Furnishes current for ignition, sealed-beam swivel-mounted head light, and rear marker lights. Generator mounted above engine crankcase. V-belt to pulley on inner side of standard flywheel.



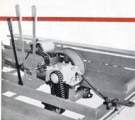
## (C) TWO-SPEED GEAR

For standard section cars. Practically doubles draw bar pull. Consists of hardened and cut steel gears with shafts on Timken bearings. Design assures correct alignment.



## (B) TWO-SPEED GEAR

For light section cars. Draw bar pull greatly increased. Cut and hardened steel gears, shafts on Timken bearings, alignment maintained by one-piece case.



**(U) RUBBER CUSHION WHEELS (Not illustrated)**  
For all inspection cars. Smooth riding, better traction, quieter than steel or wood center wheels. Temporarily unavailable.



**(H) HIGH TENSION MAGNETO**  
For all inspection and section cars. Eisemann. With ball bearing driving shaft.



**(G) SPRING COUPLER**  
For all section and gang cars. Bolts to draw bar on motor car. Springs cushion bumps and jerks when towing trailers.



**(L) AUTO TYPE MUFFLER**  
For all inspection and light section cars. Deadens engine exhaust. Very little power loss at high speeds.



**(F) SAFETY COUPLER**  
For all section and gang cars. Safe and efficient. Has self closing catch.



**(CC) FRONT END SKID**  
For all inspection cars. Aids in setting off and re-railing car between set-offs.



**(DD) RAIL SWEEPS**  
For all cars. Heavy duty paddle type. Clears rails of small stones, twigs, light snow, etc. Hinged, with spring tension and positive stop.



**(J) TURNTABLE**  
For all standard and heavy duty section cars and gang cars. Set up with pivot in center of track. Car is pushed on, swings around, and run off.



**(D) DRY CELL HEADLIGHT**  
For all cars. Throws strong beam or wide fan spread. Safe for use around gasoline. Large reflector, powerful bulb, uses two ordinary dry cells.



**(EE) SIDE SEATS**  
Right and left for all inspection cars except 18 which take left only. Various styles. Spring seat with either fixed or curved folding back, and padded seat with folding back.



**(Y) AIR CLEANER**  
For all cars. Washes out dirt, reduces cylinder wear. Oil both type, also open screen type for A3 and A5.



**(FF) BLADE PULLEY**  
For use in deep snow or heavy weeds. Gives positive belt grip yet belt life is not affected.

**(A) SET-OFF SKIDS (Not illustrated)**  
For M3-C, M3-D, M13-D, and M13-E inspection cars. Facilitate getting car on or off the track.

**(Z) LINK COUPLER (Not illustrated)**  
For all section and gang cars. One-piece, easily detached by raising one end a few inches.

**(W) SEAT CUSHION (Not illustrated)**  
For all cars. Fits across drivers seat or any corner. Increases riding comfort.

# TRAILERS AND PUSH CARS

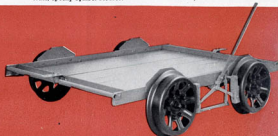
## Trailers For Compressor Units

Strong, lightweight trailers for moving all-track tamper compressor units include loading ramps and means of locking compressor in place. One-piece loose axles with Timken bearings, forged steel thrust collars, and 14" x 1/4" Fairmont demountable wheels (one taper bored and insulated, the other straight bored loose with bronze bushing). Specify T15 Series A for Ingersoll-Rand model 55 and DR60, and T16 Series B for Syntron. Trailers for other compressor units made to order.



## Detachable Seat and Steps Convert Push Cars to Gang Trailers . . .

This unit may be applied to the TT1, TT12, TT11, or TT14 push cars to convert them to 20-man gang trailers. Construction is such that when set on the push car, the unit holds its position without bolting or any other fastening. The hinged steps aid in easy removal or application, and also conserve storage space. To order, specify symbol M34238.



### TT1 SERIES D . . Weight: 620 lbs. Load Capacity: 6000 lbs.

Sturdy frame of straight-grained white oak with full length sway brace to preserve alignment. Lift pipe at each end and unit draw bar extends full length. Deck size 87-1/4" x 84". One-piece 1-7/16" loose axles with Axleover-Bower roller bearings, wide lag thrust collars, and 18" x 1/4" bolted wheels (one taper bored and insulated, the other straight bored loose with bronze bush-

ing). The TT1 Series D can be equipped with 16" x 5/16" wheels, increasing load capacity to 7500 lbs. Supplied without brakes if specified as T1 Series D.

### TT19 SERIES A . Weight: 535 lbs. Load Capacity: 2000 lbs.

Firmly braced steel frame with lift pipe and draw bar at each end. Rail skids and steel wheel guards are standard equipment. Tray size 51-1/4" x 68". Fairmont 1-5/16" differential axles. Timken axle bearings and forged steel thrust collars. Fairmont 18" x 1/4" demountable wheels, all four taper bored and insulated. Use of light trailers to handle material normally carried on car facilitates handling of car. Furnished less brakes if specified as T19 Series A.



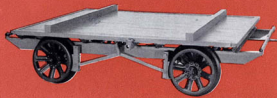
**T9 SERIES A . . Weight: 350 lbs. Load Capacity: 1000 lbs.**

For use with light cars hauling material that cannot be accommodated on car. Sturdy, well-braced frame of structural steel with draw bar and lift pipe at each end, steel wheel guards. Tray size 51-1/4" x 42-1/2". Fairmont 1-3/16" differential axles, Timken axle bearings and forged steel thrust collars. Fairmont 14" x 1/4" demountable wheels, all four taper bored and insulated. Designated as TT9 Series A when equipped with four-wheel, metal-lined brakes.



**TT11 SERIES D . . Weight: 705 lbs. Load Capacity: 6000 lbs.**

Bolted steel frame of channels, angles, and gusset plates with full length unit draw bar and lift pipe at each end. Deck size 67-1/4" x 84". One-piece 1-7/16" loose axles with Axlesaver-Bower roller bearings, wide lug thrust collars, and 16" x 1/4" bolted wheels (one taper bored and insulated, the other straight bored loose with bronze bushing). The TT11 Series D can be equipped with 16" x 5/16" wheels, increasing load capacity to 7500 lbs. Furnished without the four-wheel, metal-lined brakes if specified as T11 Series D.



**TT12 SERIES D . . Weight: 780 lbs. Load Capacity: 10,000 lbs.**

Frame and deck same as TT1 Series D except for addition of steel faced dump sills and support beams below dump sills. One-piece 1-7/8" loose axles with Axlesaver-Bower roller bearings, wide lug thrust collars, and 16" x 5/16" bolted wheels (one taper bored and insulated, the other straight bored loose with bronze bushing). Trailer less brakes furnished if specified as T12 Series D.

bolted wheels (one taper bored and insulated, the other straight bored loose with bronze bushing). Trailer less brakes furnished if specified as T12 Series D.

**TT14 SERIES A . . Weight: 870 lbs. Load Capacity: 10,000 lbs.**

Frame and deck same as TT11 Series D except for addition of steel faced dump sills and support beams below dump sills. One-piece 1-7/8" loose axles with Axlesaver-Bower roller bearings, wide lug thrust collars, and 16" x 5/16" bolted wheels (one taper bored and insulated, the other straight bored loose with bronze bushing). Furnished less the four-wheel, metal-lined brakes if specified as T14 Series A.



# Fairmont WEED BURNER

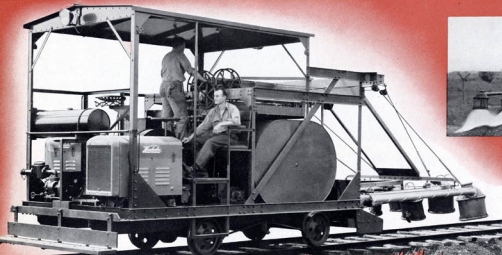
## W55 SERIES A

**FIVE WIDE FLAME, AIR COOLED  
BURNER HEADS FOR FAST,  
EFFICIENT, ECONOMICAL WEED  
DESTRUCTION**

## SPECIFICATIONS

ENGINE (Blower) .....	4-cylinders, Waukesha. Built-in governor, drives the blower, fuel pressure and fuel loading pumps
BORE AND STROKE .....	3-5/8" x 4-1/2"
R.H.P. ....	35 at 1550 R.P.M. (governed speed)
COOLING SYSTEM .....	Water pump, fan, radiator
IGNITION .....	Battery standard
LUBRICATION .....	Full pressure system
ENGINE (Propelling) .....	5-cylinders, Waukesha, 1 head
BORE AND STROKE .....	4" x 4-1/4"
R.H.P. ....	45 at 2030 R.P.M.
COOLING SYSTEM .....	Water pump, fan, radiator
IGNITION .....	Battery standard
LUBRICATION .....	Full pressure system with filter
AXLE DRIVE .....	3-1/2", SAE 1045, hot rolled
AXLE BEAR .....	3-1/2", SAE 1045, hot rolled (spring loaded)
AXLE BEARINGS .....	Timken double row
BLOWER .....	American, driven by 4" endless cord belt, with idler pulley
BRAKES .....	Vacuum, 4-wheel, self centering, adjustable toggles, hand wheel parking and emergency brake
BURNER HEADS .....	Five; air cooled

BURNING WIDTH .....	25 ft. one trip, Max. 32 ft.
BURNING SPEED .....	4 to 10 miles per hour
CLUTCH .....	12" single plate
DEADHEADING SPEED .....	25 M.P.H.
DIRECTIONAL GEAR .....	Permits four speeds either forward or reverse
DRIVE .....	Triple strand chain to keyseated sprocket on front axle
FRAME .....	Boiled structural steel
FUEL OIL .....	Use No. 3 fuel oil 30° to 40° Baumé
FUEL OIL TANK .....	1500 Gal. capacity
FUEL LOADING PUMP .....	Electric, 100 gal. per min. capacity
FUEL PRESSURE PUMP .....	Viking, operating pressure 120-130 lbs.
GASOLINE TANK .....	45 gal. capacity
GAUGE .....	36-1/2" standard, others special
HEIGHT (Above Rail) .....	11 ft. 5 in.
LENGTH (Overall) .....	29 ft. 7 in.
SUCTION HOSE .....	2 in. x 50 ft. gasoline hose, male coupling at both ends
TRANSMISSION .....	Four speed, heavy duty
WEIGHT .....	17,700 lbs. empty; 28,200 lbs. loaded
WHEEL BASE .....	8 ft.
WHEELS .....	22" cast steel, heat treated
WIDTH (Overall) .....	10 ft. 2 in.



The effective weed killing width of the W55 is 25 feet for one trip and a maximum of 32 feet with the arms extended. The W55 kills weeds efficiently at 4 to 10 miles per hour and will give you this fast, thorough coverage at extremely low operating and upkeep cost — only two men, an operator and a driver are required to handle it. The Fairmont W55 is versatile and economical. It will save you time, money and man power in efficient weed destruction.

## SPECIFICATIONS

ENGINE (Blower) ..... Four cylinder, L head, built-in governor  
 BORE AND STROKE .. 3-1/4" x 4"  
 BRAKE HORSEPOWER 27.5 at 1650 R.P.M. (governed speed)  
 COOLING SYSTEM ... Water pump, fan, radiator  
 ELECTRIC STARTER ... Standard Equipment  
 FUEL SYSTEM ..... Gravity feed, 10 gal. tank, filter  
 IGNITION ..... Battery type, 18 mm. spark plugs  
 LUBRICATION ..... Force feed and spray  
 AXLES ..... 2-7/16" SAE 1045  
 AXLE BEARINGS ..... Tinslen double row  
 BLOWER ..... High efficiency type, ball bearing shaft  
 BLOWER DRIVE ..... 4" endless cord belt with idler pulley  
 BRAKE ..... 4 wheel adjustable  
 BURNER HEADS ..... Three, air cooled (one with lighter unit)  
 BURNING SPEED ..... 4 to 10 miles per hour  
 BURNING WIDTH ..... 15 ft. one trip. Max. 22 ft.  
 DEADHEADING SPEED .. 25 miles per hour maximum  
 FRAME ..... Structural steel, bolted

FUEL LOADING PUMP .. 100 gal. per min., V-belt drive, strainer  
 FUEL PRESSURE PUMP .. V-belt drive, double filter  
 FUEL OIL ..... Use No. 3, 30" to 40" Baume or clear distillate  
 FUEL OIL TANK ..... 640 gallon capacity  
 GAUGE (Track) ..... 56-1/2" standard, others special  
 HEIGHT ..... { 12 ft. 4-7/8 in. (above rail)  
                               { 9 ft. 8 in. (top of cab removed)  
 LENGTH (Overall) ..... 27 ft. 4 in. (not including power car)  
 MOTIVE POWER ..... Fairmont A5 series C power car  
 POWER TAKE-OFF ..... Dry disc, single plate clutch  
 SUCTION HOSE (Fuel Oil) 2 in. x 50 ft., male coupling at both ends  
 WEIGHT (Dry) ..... 11,100 lbs. total; burner 5000 lbs., car 2100 lbs.  
 WHEELS ..... 20" steel, heavy duty demountable  
 WHEEL BASE ..... 9 ft.

The motive power for the W44 is furnished by a Fairmont A5 motor car—equipped with top, windshield, headlight, electric horn and heavy duty drive wheels. During other than burning seasons this A5 motor car can be used as an extra gang car.

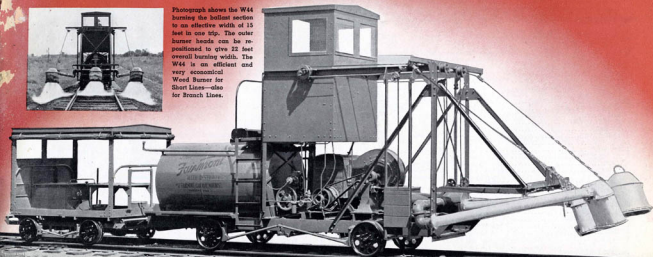
# Fairmont WEED BURNER

## W44 SERIES B

LOW COST WEED BURNER OF  
GREAT UTILITY --- DURABLE,  
FLEXIBLE AND COMPLETE



Photograph shows the W44 burning the ballast section to an effective width of 15 feet in one trip. The outer burner heads can be repositioned to give 22 feet overall burning width. The W44 is an efficient and very economical Weed Burner for Short Lines—also for Branch Lines.



# Fairmont WEED BURNER M27 SERIES G

OVEN  
TYPE



Improved Oven Type Burner for  
Efficient, Economical Over Track  
Weed Killing. Burning Width with  
Wings Lowered: 14 to 16 Feet. Burning  
Speed: 4 to 8 Miles per Hour.

## SPECIFICATIONS

ENGINE (Blower) .....	4-cylinders, Waukesha, built-in governor, drives the blower, fuel pressure and fuel loading pumps
BORE AND STROKE .....	3-5/8" x 4-1/2"
R. H. P. ....	35 at 1530 R.P.M. (governed speed)
COOLING SYSTEM .....	Water pump, fan, radiator
IGNITION .....	Battery standard
LUBRICATION .....	Full pressure system
ENGINE (Propeller) .....	8-cylinders, Waukesha, I. head
BORE AND STROKE .....	4" x 4-1/4"
R. H. P. ....	85 at 3600 R.P.M.
COOLING SYSTEM .....	Water pump, fan, radiator
IGNITION .....	Battery standard
LUBRICATION .....	Full pressure system with filter
AXLE, DRIVE .....	3-1/2", SAE 1045, hot rolled
AXLE, REAR .....	3-1/2", SAE 1045, hot rolled
AXLE BEARINGS .....	Timken double row
BLOWER .....	American, driven by 4" endless cord belt, with idler pulley
BRAKES .....	Vacuum, 4-wheel, self-centering, adjustable levers, hand wheel parking and emergency brake
BURNING WIDTH (wings lowered) .....	14 to 16 ft.
BURNING SPEED .....	4 to 8 miles per hour
BURNER SIDE WINGS .....	Vitalloy, counterbalanced
CLUTCH .....	12" single plate
DEADHEADING SPEED .....	25 M.P.H.
DIRECTIONAL GEAR .....	Permits four speeds either forward or reverse
DRIVE .....	Triple strand chain to keyseated sprocket on front axle
FRAME .....	Bolted structural steel
FUEL OIL .....	Use No. 3 fuel oil, 30" to 40" Bourne
FUEL OIL TANK .....	1500 gal. capacity
FUEL LOADING PUMP .....	Blackmer, 100 gal. per min. capacity

FUEL PRESSURE PUMP .....	Viking — operating pressure 85-90 lbs.
GASOLINE TANK .....	45 gal. capacity
GAUGE .....	56-1/2" standard, others special
HEIGHT (above rail) .....	11 ft. 5 in.
LENGTH (overall) .....	24 ft. 11 in.
NOZZLES .....	Six; four under oven, one on each side; individually controlled
OVEN HEAT PLATES .....	Ribbed Vitalloy
SUCTION HOSE .....	2 in. x 50 ft. gasoline hose, male coupling at both ends
TRANSMISSION .....	Four speed, heavy duty
WEIGHT .....	20,100 lbs. empty; 30,530 lbs. loaded
WHEEL BASE .....	8 ft.
WHEELS .....	22" cast steel, heat treated
WIDTH (overall) .....	10 ft. 2 in.

## T27 SERIES C EXTINGUISHER CAR

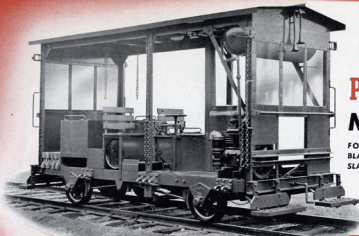
Equipped with 500 Gallon Tank with large hopper for quick filling — 5 H.P. Fairmont OD Engine — Single-stage centrifugal pump capable of discharging 22 gallons per minute against pressure of 78 pounds per square inch — Three hose lines, one 50 feet with 1/4" nozzle; two 18 feet with 1/8" nozzles also fan spray tips; all three have automatic shut offs and gate valves.

T28 Series A Tank Trailer provides 500 gallons additional capacity.

For towing the Extinguisher Car and Tank Trailer we recommend the Fairmont ST2 (2 speed car) with engine quickly reversible for running backward or the Fairmont A3 with four speeds forward or reverse.



This labor saving Ballast Drainage Power Unit does the work of a large gang in keeping track crib sections draining. It breaks up cemented ballast, opens up mud dams and fouled ballast and reshapes shoulders. Many railroads have had years of successful experience with this unit and recommend it highly.



# BALLAST DRAINAGE POWER UNIT M23 SERIES E

FOR SCARIFYING, DISCING, BLADING IN ROCK, GRAVEL OR SLAG BALLAST. ASSISTS IN ELIMINATING WATER-BOUND TRACK AND PUMPING TIES. SAVES MAN POWER, TIME AND MONEY



SCARIFIERS



DISCING EQUIPMENT



UNIVERSAL BLADER

## SPECIFICATIONS

ENGINE	Waukesha 6-cylinder, 1-head
BORE AND STROKE	4-1/4" x 4-3/4"
B. H. P.	75 H.P. at 1800 R.P.M. governed speed
CARBURETOR	Updraft style, adjustable metering jet, air cleaner
COOLING SYSTEM	Radiator, fan, pump, capacity 11 gal.
FUEL SYSTEM	70-gal. tank, strainer
IGNITION	Battery standard
LUBRICATION	Full pressure system with filter
AIR HOISTS	Two, 7" diameter cylinders

AIR STORAGE TANK	60" long, 20" diam.; 10.67 cu. ft. cap.
AXLE, FRONT	2-29/32", SAE 4140, heat treated
AXLE, REAR	3-29/32", SAE 4140, heat treated
AXLE BEARINGS	Tincken double row
BRAKES	4-wheel self-centering air brakes, cast iron shoes, hand wheel parking brake
CLUTCH	Single plate, dry disc
COMPRESSOR	Curtis 2-stage, with air cleaner—6-1/4" and 3-3/8" x 3-3/4"
OPERATING PRESSURE	125-145 lbs.
DEADHEADING SPEED	22 M.P.H.
FINAL DRIVE	Reversible, enclosed, case hardened alloy steel gears

FRAME	Bolted structural steel channels, angles and gusset plates
GAUGE (track)	56-1/2" standard
HEIGHT (above rail)	10 ft.
LENGTH (overall)	17 ft. 4-1/2 in.
PROPELLER SHAFT	Needle bearing type with double universal joints
TRANSMISSION	Heavy duty, four speeds and reverse
WEIGHT	14,500 pounds with deck weights
WHEELS	23" cast steel, heat treated
WHEEL BASE	9 ft. 2 in.
WIDTH (overall)	7 ft. 3 in.
WINDSHIELD WINDOWS	20" x 32" each, safety sheet glass

# Fairmont WEED MOWER

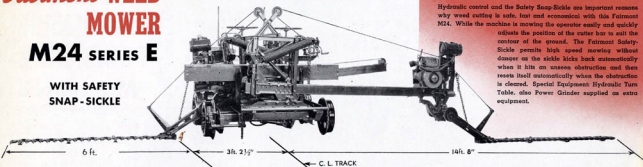
## M24 SERIES E

WITH SAFETY  
SNAP-SICKLE

**Makes Weed Cutting Safe, Fast and Economical**

Hydraulic control and the Safety Snap-Sickle are important reasons why weed cutting is safe, fast and economical with this Fairmont M24. While the machine is mowing the operator easily and quickly

adjusts the position of the cutter bar to suit the contour of the ground. The Fairmont Safety-Sickle permits high speed mowing without danger as the sickle kicks back automatically when it hits an unseen obstruction and then resets itself automatically when the obstruction is cleared. Special Equipment Hydraulic Turn Table, also Power Grinder supplied as extra equipment.



## SPECIFICATIONS

ENGINES	Wisconsin, one-cylinder, 4-cycle, with clutch take-off
R. M. P.	2.7 at 2230 R.P.M., governed speed
CRANKSHAFT	SAE 1045 heat treated forging, counterbalanced
CRANKSHAFT BEARINGS	Timken
CONNECTING RODS	Aluminum alloy
PISTONS	Aluminum alloy, 3 rings
LUBRICATION	Splash system with pump
CARBURETORS	Industrial type, automatic choke release
AIR CLEANERS	Oil bath type
IGNITION	High tension magnet with impulse coupling, 18 mm. spark plugs
COOLING	Air blast from enclosed flywheel fan
FUEL SYSTEM	Gravity feed with filter
DRIVE	Multiple "V" belt and enclosed shaft and gear
SHAFTS	SAE 4140 chrome molybdenum
GEARS	SAE 4615 case-hardened steel
BEARINGS	Four Timken, one ball, one needle (each side)
HOUSING	Semi-steel and cast steel
PITMANS	Self-aligning, light weight
FRAME	Structural steel, box construction, cushion seats
LIFT PIPES	Steel tubing, front and rear
BEAM GUIDE TOWNS	Structural steel, gusseted, pivoted on chassis
EXTENSION BEAMS	4" steel channel and 3/16" steel plate box section, manual extension
GUIDE ARMS	SAE 1235 cast steel, box section
CUTTER BARS	SAE 1045 steel bar, 5/8" thick, 6 ft. long
KNIVES	Steel bar strips, chrome molybdenum head, heavy duty section
SNAP-SICKLES	Cutter bar with knife, guide arm, pitman, and lower section of power head all swing back full automatic release and reset
CUTTING LIMITS	Inner 9 - 1/2" inside ends of 6 ft. ties; outer 14 ft. 8" from centerline of track
HYDRAULIC PUMPS	Double acting, control cutter bar and beam lift jacks
COUNTERBALANCE SPRINGS	1/2" spring wire, speed raising of cutter bar
BRAKE	4-wheel, renewable metal liners, adjustable
AXLES	1-11/16 SAE 1045, front differential, rear solid
AXLE BEARINGS	Timken double row
WHEELS	18" x 2-1/2" demountable, all 4 insulated
SAFETY RAILS	Steel tubing

GAUGE	56 - 1/2", others special
WEIGHT	3200 lbs.
REAR LIFT	460 lbs.
LENGTH OVERALL	10 feet
WIDTH OVERALL	9 ft. 2"
HEIGHT OVERALL	8 ft. 2"
WHEEL BASE	40"



## Fairmont W54 Series D

Cuts weeds 9 feet from center line of the track, also between rails. Sturdy construction keeps operating costs extremely low.

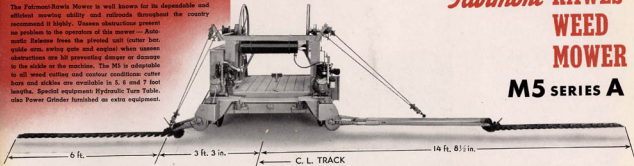
**SPECIFICATIONS:** Engine, Wisconsin, one-cylinder 4 cycle — Drive, Triple V-belt — Pitman, Self-aligning — Guide Arm, box sec.



## A Dependable, Economical and Safe Mower

The Fairmont-Rawls Mower is well known for its dependable and efficient mowing ability and railroads throughout the country recommend it highly. Unseen obstructions present no problem to the operator of this mower — Automatic Release frees the pivoted unit (cutter bar, guide arm, swing gate and engine) when unseen obstructions are hit preventing danger or damage to the sickle or the machine. The M5 is adaptable to all weed cutting and contour conditions: cutter bars and sickles are available in 5, 6 and 7 foot lengths. Special equipment Hydraulic Turn Table, also Power Grinder furnished as extra equipment.

# Fairmont-RAWLS WEED MOWER M5 SERIES A



## SPECIFICATIONS

ENGINES	Wisconsin, one-cylinder, 4-cycle, with clutch take-off
B. H. P.	2.7 at 2200 R.P.M., governed speed
CRANKSHAFTS	SAE 1045 heat treated forging, counter-balanced
CRANKSHAFT BEARINGS	Timken
CONNECTING RODS	Aluminum alloy
PISTONS	Aluminum alloy, 3 rings
LUBRICATION	Splash system with pump
CARBURETORS	Industrial type, automatic choke release

AIR CLEANERS	Oil bath type
IGNITION	High tension magneto with impulse coupling, 18 mm. spark plugs
COOLING	Air blast from enclosed flywheel fan
FUEL SYSTEM	Gravity feed with filter
DRIVE	Multiple "V" belt
CRANK WHEELS	Cast steel with integral pin, counterbalanced
SHAFTS (Crank Wheel)	Chrome molybdenum steel
SHAFT BEARINGS	Timken, two each shaft
SWING GATE	Cast steel and steel plate, welded
PITMANS	Self-aligning, bronze crank bearing
GUIDE ARMS	Cast steel, box section, 12" long
EXTENSIONS	Intermediate — cast steel and 3" dia. pipe, optional lengths of from 6" to 42" in 6" increments
	Second swath — cast steel and 3" dia. pipe, 46" long
CUTTER BARS	SAE 1040 steel, tapered stiffening rib; 6 ft. long standard, 5 or 7 foot lengths optional
SICKLES	Steel body strips; alloy steel heads; heavy sections
SICKLE RELEASE	Cutter bar with sickle, extended, pitman, swing gate, engine all swing back; automatic release

Iron — Cutter Bar, 4 ft. long — Knives, Steel with chrome molybdenum head — Cutting Limit, 3 feet from center line of track — Frame, Structural steel — Power Head Beam, 4" — Brake, 4 wheel, adjustable — Axles, 1-7/16" SAE 1045, front differential — Axle Bearings, Timken double row — Wheels, 16" x 1/4" — Gauge, 36-1/2" others special — Weight, 1100 pounds — Rear Lift, 100 pounds — Length, 6 ft. 8 in. — Width, 9 ft. 3 in. — Height, 40 in. — Wheel Base, 46 in.

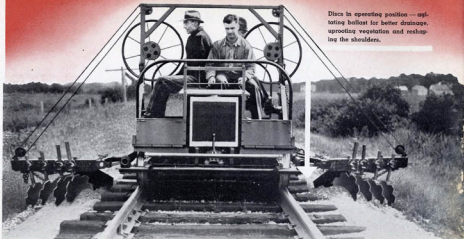
CUTTING LIMITS	Inner — 8" inside ends of 8 ft. ties; outer — 14 ft. 8-1/2" from centerline of track
CUTTER BAR HOIST	Large hand wheel, drum, cable, and pulleys; hand brake with foot release
FRAME	Structural steel, welded, spring seats
LIFT PIPE	Rear only — 1" black pipe
FRONT AXLE	1-11/16" SAE 1045 steel, differential
REAR AXLE	1-7/16" SAE 1045 steel
AXLE BEARINGS	Timken single row, two per axle box
WHEELS	20" x 5/16" demountable; all 4 insulated
BRAKE	Hand type, front wheels only, foot pedal
GAUGE	36-1/2", others special
WEIGHT	With second swath equipment — 2400 lbs. (inc. 24" intermediate extensional, 250 lbs.)
	Less second swath equipment — 2250 lbs. (inc. 24" intermediate extensional, 250 lbs.)
REAR LIFT	9 ft. 9-1/2 in.
LENGTH OVER-ALL	6 ft. 5 in., cutter bars vertical
WIDTH OVER-ALL	7 ft. 5 in., cutter bars vertical (8 ft. bars)
HEIGHT OVER-ALL	58-11/16 in.
WHEEL BASE	



# BALLAST DISCER M25 SERIES D

**A Fast, Thorough Worker  
Saves Considerable  
Time and Man Power**

Eight cutaway discs (4 on each side) agitate, redistribute and reshape the ballast for better drainage and track support. Fast—Thorough—Economical. Maintenance men endorse this Fairmont Ballast Discer.



Discs in operating position — agitating ballast for better drainage, uprooting vegetation and reshaping the shoulders.

## SPECIFICATIONS

### ● DISCING UNIT

CONTROL WHEELS .....	Make it easy to raise or adjust position of discer beams
DISCS .....	16" electric heat treated steel, cutaway type, four on each side, Timken bearings
DISC BEAMS .....	Bolted structural steel, angles and gusset plates
DISCING WIDTH (Maximum) .....	8 ft. 4 in. each side of track center line
FRAME .....	Bolted steel pipe, angles and braces
WEIGHT .....	1670 pounds

## Fairmont HIGH SPEED SPOT BOARD

Faster set-up, faster removal — Quick accurate adjustment — Stays in adjustment regardless of vibrations such as wind and ordinary disturbing elements — May be used with or without grade stakes — Adapted to high or low lifts. This equipment is complete and self contained and easily handled by one man. Weight 70 pounds.



### ● POWER UNIT

ENGINE .....	4 cylinder, I head
BORE AND STROKE .....	3-1/4" x 4"
B. H. P. .....	36 at 2800 R.P.M.
COOLING SYSTEM .....	Water pump, radiator, fan
FUEL SYSTEM .....	10 gal. tank, filter, pump
IGNITION .....	Battery type standard, magneto optional
LUBRICATION .....	Forces feed and spray
AXLE FRONT .....	1-15/16" FAIRMONT differential, SAE 1045
AXLE REAR .....	1-15/16", SAE 1045
AXLE BEARINGS .....	Timken double row
BODY .....	White oak and pine
BRAKES .....	4-wheel, adjustable, self-centering shoes, replaceable metal liners
CLUTCH .....	9" single plate, dry disc
DRAWBAR PULL .....	Low, 625 lbs.; 2nd, 625 lbs.; 3rd, 515 lbs.; high, 305 lbs.
FINAL DRIVE .....	Reversible, enclosed
FRAME .....	Structural steel, bolted
GAUGE .....	56-1/2" standard, other special
LOAD CAPACITY .....	3000 pounds
PROPELLER SHAFT .....	Double universal joint
TRANSMISSION .....	4-speed, heavy duty
WHEELS .....	Front, 16" x 5/16"; rear, 16" heavy duty; all 4 demountable and insulated
WHEEL BASE .....	52"
WEIGHT .....	1930 lbs. (with heavy drive wheels)

### ● OVERALL DIMENSIONS

HEIGHT (Above Rail) .....	6 ft. 10 in.
LENGTH .....	9 ft.
WIDTH .....	7 ft. 3-5/8 in.
WEIGHT .....	3600 pounds

## LOAD CAPACITY 3000 POUNDS

The Fairmont Derrick Car will handle 3000 pounds in any position (full 360 degree operation) when using the quick acting, insulated rail clamps. It operates easily and works fast—two speeds are provided for operating the hoisting cable, also for the boom cable. Boom reaches 7 feet from center of track. Load skids, at both ends, are spaced extra wide for load carrying stability. Six foot safety coupler link for hook-up with motor car. Extension lift handles reduce lift weight of car to 500 pounds. Equipped for pressure lubrication throughout.

# DERRICK CAR

## W60 SERIES A

### TIMBER TONGS



1 1/2 inch octagon steel to open 21 inches. Weight 10 pounds. In ordering—specify Fairmont Timber Tongs No. F9622.

### SPECIFICATIONS

ANGLE OF OPERATION.....	360° horizontally
AXLES.....	1 1/2" SAE 1045, one differential
AXLE BEARINGS.....	Timken double row
BRAKES.....	Four wheels, adjustable, metal liners, self-centering. Lock operated with ratchet lock
CABLE.....	5/16" improved plow steel
COUPLER LINK.....	6 ft. heavy duty
DECK.....	5 ft.—7 1/4 in. wide x 6 ft.—11 1/2 in. long—1/2 in. ash—steel faced ends and sides
EXTENSION LIFT HANDLES.....	1 1/4 in. extra strong pipe
FRAME.....	Structural steel channels, angles, and gusset plates
GAUGE.....	36 1/2 in. standard, others special
HEIGHT (above rail).....	7 ft.—1/4 in. to top of mast
LOAD CAPACITY (of derrick).....	3000 lbs. maximum—boom horizontal
LENGTH—BOOM.....	7 ft.
LENGTH—OVERALL.....	8 ft.—3 1/2 in.
LIFT WEIGHT (of car).....	500 lbs.
OPERATION OF HOIST.....	One or two men, two speeds, ratchet and pawl lock, band brake for lowering, clamp lock for boom to mast
RAIL CLAMPS.....	Four, insulated and adjustable, lever controlled
WEIGHT.....	1700 lbs.
WHEEL BASE.....	52 1/2 in.
WHEELS.....	16 x 5/16 demountable, all 4 insulated
WIDTH (overall).....	5 ft.—7 1/4 in.

Improved design and rugged construction make this derrick car especially helpful for bridge gangs. Also saves considerable time and labor on all general utility lifting up to 3000 pounds.

*Fairmont*

FAIRMONT RAILWAY MOTORS, INC. • FAIRMONT, MINN.

FAIRMONT RAILWAY MOTORS, LTD., 58 PELHAM AVENUE, TORONTO 9, CANADA

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