# SHEFFIELD
# Velocipede Cars

***CATALOG No. 106D***

GOLD MEDAL

Awarded Sheffield Velocipede Cars at the
Louisiana Purchase Exposition,
St. Louis, in 1904.

We reserve the right to make any changes in detail on our Cars which may, in our opinion, develop an improvement or gain convenience for the operator, without reference to the description and illustrations shown in this catalogue.

SHEFFIELD CAR CO., MANUFACTURERS

## FAIRBANKS, MORSE & CO.

(INCORPORATED)

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The Canadian Fairbanks Co., Limited, Sole Agents for Canada

5M—5-11

# Sheffield Velocipede Cars

THE EASIEST RUNNING VELOCIPEDE CARS MADE

The essentials of a satisfactory car of this kind are light weight, ease of propulsion, and durability, and in no other cars on the market are these qualities so thoroughly combined as in the Sheffield Velocipedes. They have been on the market for many years and are to-day so well known among railroad men that it is unnecessary to enlarge on their advantages here.

Fig. V5008

## Ball Bearings

For many years we have been experimenting to produce a satisfactory ball bearing for our Velocipedes. We have now perfected one, which like every other improvement that has been put on our cars, has been thoroughly tested for a sufficient time to demonstrate its durability and practicability. Cars equipped with these ball bearings and machine cut gear wheels are as easy to propel as they can possibly be made. Axles are made of tool steel with balls and cones specially hardened.

## Cut Gears

The ease of propulsion depends to a large extent on the finish and arrangement of the gears. If they are roughly made, as are ordinary sand castings, they make the car run hard and the gears wear very fast. If the teeth are machine cut, giving them a smooth finish, they work together with the very least amount of friction and wear. The cut gears with which our Velocipedes are now equipped add materially to their easy running and durability—two very important and practical ad-advantages.

## Concave Tread

The steel tires now used on our Velocipedes are rolled with concave instead of straight tread, which practically does away with the tendency of the wheels to leave a wet or frosty rail.

## Gauge of Velocipede Cars

All our Three Wheeled Cars, except the Telegraph Car can be so made that the arm will be adjustable in the main frame, so that the car can be adapted to run on any gauge of track from three feet up to five, or even a greater gauge, and without any extra expense, providing this feature is specified on order.

When cars are ordered and no gauge is specified, we understand that they are wanted for standard gauge track, and in such cases send the regular arm for standard gauge, which is not adjustable to different gauges.

Where the No. 3 or Telegraph Car is wanted with this adjustability, it will be best to order an additional arm and brace rod; which will be $3.00 extra.

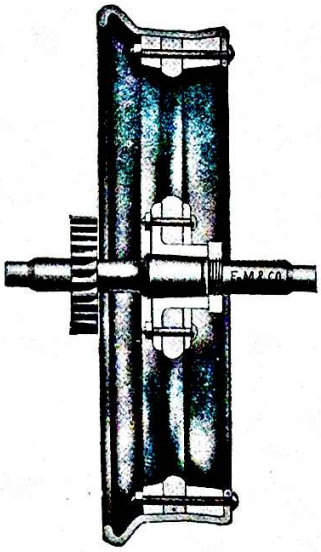
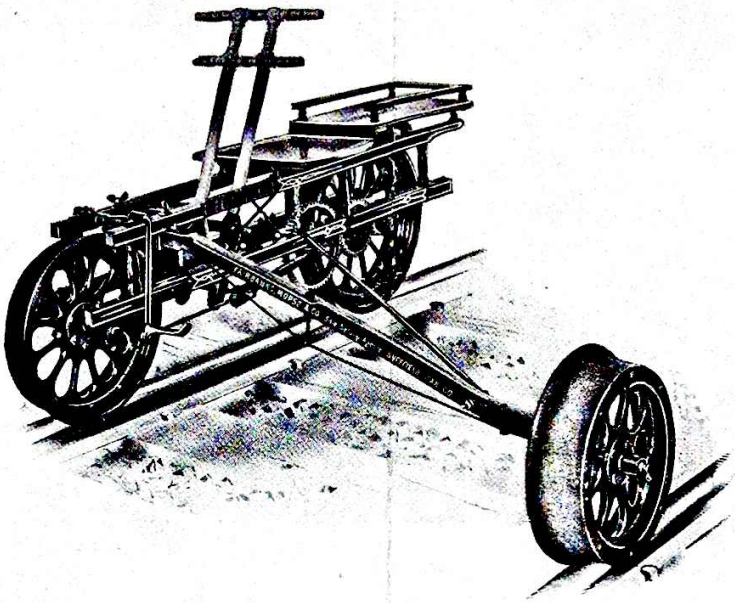


Fig. V5009

### VELOCIPEDE CAR EXTRAS

| | |
|---|---|
| V 933 Cushion, No. 1 Velocipede | $2.00 |
| V 933 Front Cushion, No. 2 Velocipede | 2.00 |
| V1021 Rear Cushion, No. 2 Velocipede | 2.50 |
| V 933 Front Cushion, No. 3 Velocipede | 2.00 |
| V 933 Middle Cushion, No. 3 Velocipede | 2.00 |
| V1021 Rear Cushion, No. 3 Velocipede | 2.50 |
| V1022 Cushion, No. 4 Velocipede | 2.50 |
| Lock and Chain, each | 1.00 |
| Detachable Foot-rest, when ordered separately | 1.50 |

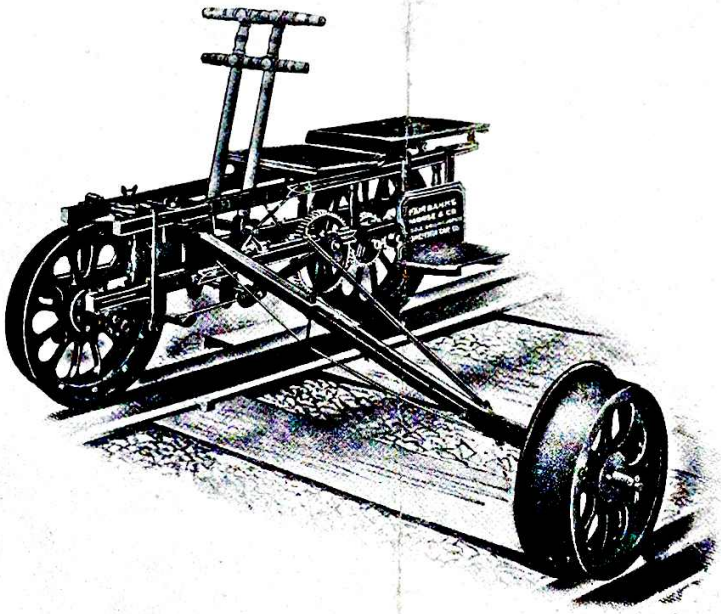
An adjustable wrench and oil can are furnished with each car without extra charge.



## No. 1 Velocipede Car

BALL BEARING

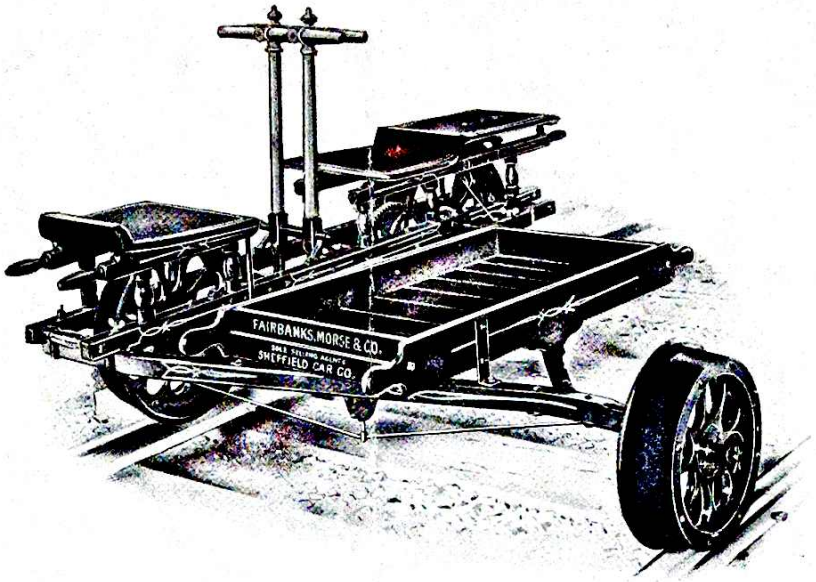
Actual weight, 150 lbs.; packed for export, 300 lbs.; 26 cu. ft. Can be arranged adjustable from narrow to standard gauge, if desired. Code word, Marble.



## No. 2 Velocipede Car

BALL BEARING

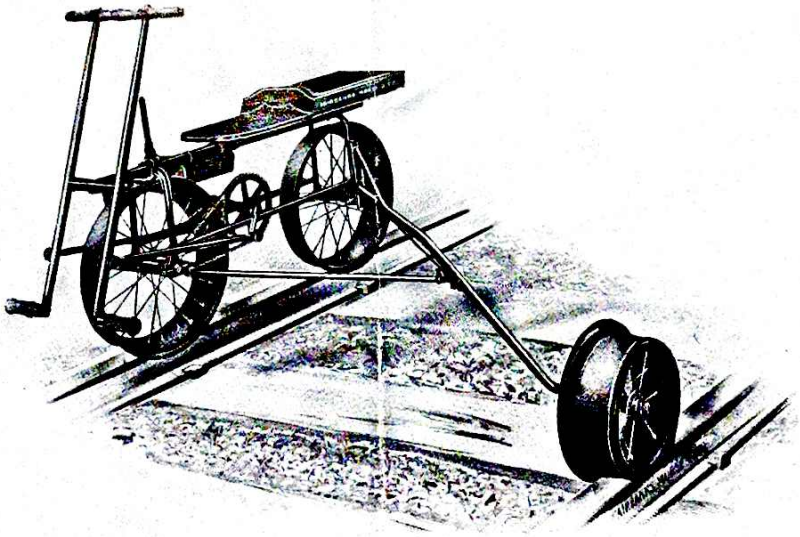
It is the same in general design as the No. 1, but has in addition a seat and foot rest in rear of operator for carrying a second person. It makes an excellent inspection car, as the inspector can sit facing the track and carefully note its condition as the car proceeds. Weight, 155 lbs.; packed for export, 310 lbs.; 26 cu. ft. Code word, Mabec.




## No. 3 Velocipede or Telegraph Car

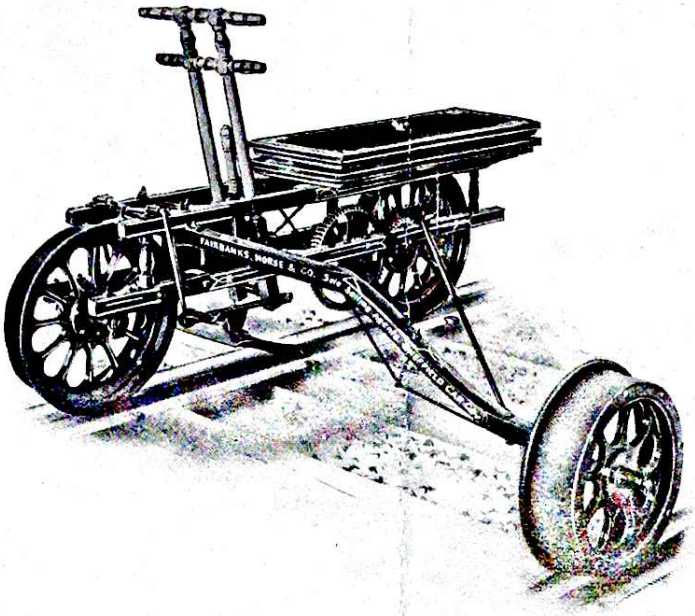
BALL BEARING

Designed especially for use of telegraph companies. It will carry three persons, although it can be readily handled by one man. A small tray is provided for carrying tools and materials. It is a great convenience for linemen, enabling them to make careful inspections and to carry with them supplies needed to promptly make any necessary repairs. Weight, 190 lbs.; packed for export, 360 lbs.; 34 cu. ft. Made for any gauge desired, but not adjustable. Code word, Mabot.



## No. 16 Velocipede

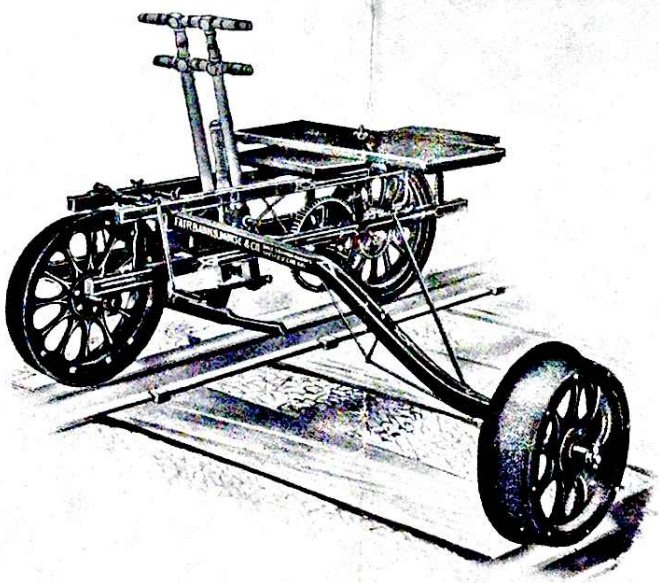
The lightest car ever constructed for the purpose of conveying a rider over a railroad track. It is made with very light and simple frame, constructed of seamless tubing, which carries two 17-inch track wheels rolled from very light stock, the centers being built up with wire spokes. Provided with rubber tires and ball bearings, the hubs similar to those of bicycles. Weight 70 lbs.; packed for export, 170 lbs.; 18 cu. ft. Code word, Minister.



## No. 4 Velocipede Car

AS ARRANGED FOR ONE RIDER *BALL BEARING

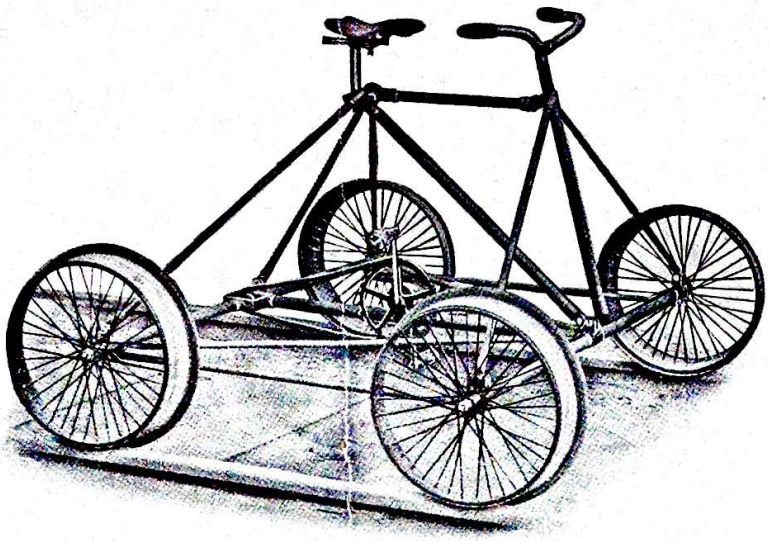
The change to accommodate two riders is instantly made, the seat being so arranged as to swing crosswise of the car at will. Actual weight, 170 lbs.; packed for export, 320 lbs.; 26 cu. ft. Code word, Martial.



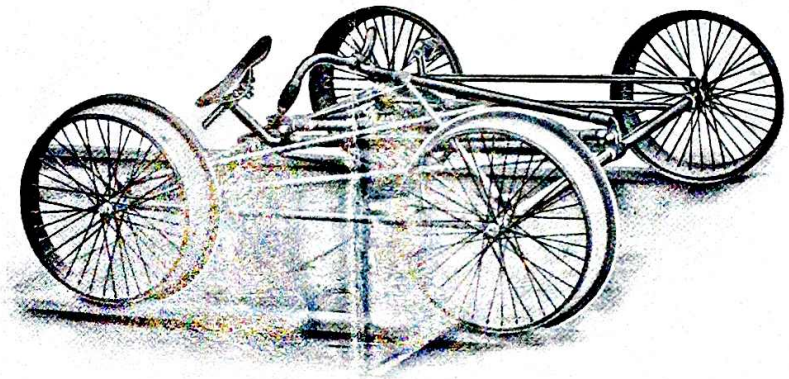
## No. 4 Velocipede Car

AS ARRANGED FOR TWO RIDERS BALL BEARING

The above cut shows the No. 4 car with the adjustable seat board crosswise, so that both riders can assist in propelling. Code word, Martial.



No. 19 Velocipede, Ready to Run



No. 19 Velocipede, Folded for Transporting

# No. 19 Velocipede

A new Velocipede of improved design. The frame is of hard drawn seamless tubing, so trussed as to be exceedingly stiff and strong. The wheels are built with wire spokes and have rubber tires.

The drive is similar to that of a bicycle, the power being transmitted to the rear axle by means of sprockets, and a chain. The handle bar in front is not for the purpose of steering but for steadying the rider.

All running parts are carried on self contained ball bearings of improved type which reduce friction to a minimum, and make it possible to propel the car at high speed so easily, that riding becomes a pleasure rather than a matter of labor.

The car folds into a very compact space for transportation in baggage car or other conveyance where it is desirable to occupy as little room as possible. It can be folded in a few seconds without removal or unscrewing of any part, and the folding feature does not weaken the car for riding purposes in the slightest degree.

The car is highly finished, and is equipped with the celebrated Fauber crank hanger, adjustable handle bar and Garford saddle. A leather tool pouch is furnished, containing wrench, screw driver and oiler.

Weight, 85 lbs.; packed for export, 220 lbs.; 14 cu. ft. Code word for single rider, Mabad.

MADE ALSO FOR TWO PERSONS


F
C
M