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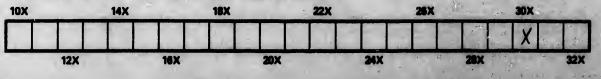


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S'XTRAORDINARY* CHALLENGE

THE KING OF SAFETIES.

From Thos. J. McLean, M. D., Goderich, Ont .:

consider it as useful, safe and comfortable as any bicycle can be made.

GODERICH, ONT., 18th January, 1888. Dear Payne,-I have been using the "Xtra." in my practice here since '82, and would not now consent to do without it. It has been an immense convenience, always ready for use by day or night, and it has also been a source of health and recreation. With the improvements lately made, I Yours sincerely. THOS. J. MCLEAN, M. D.

From Dr. W. H. Moorhonse, London, Ont .:

LONDON, ONT., 18th Jan., 1888. Wm. Payne, Esq.: Dear Sir .- The machine which I purchased from you in July, 1885,-"'Xtraordinary," manufactured by Singer & Co., Coventry, Eng.,has given me entire satisfaction. It is a marvel of mechanical ingenuity and construction, combining strength and durability, with lightness and ease of propulsion. But the great feature in this machine is its safety and ease of mounting, and for our Canadian roads 1 consider it the machine par excellence. W. H. MOORHOUSE, M. D.



From S. M. Lloyd, Esq., Manager of the Montreal Bank, Goderich, Ont .:

GODERICH, Jan. 24, 1888. Wm. Payne, Esq.: Dear Sir,-Yours of the 16th to hand, and as regards the "'Xtra.," I may say that I consider it an excellent all-round machine. For night riding and general use on our Canadian roads. I do not suppose its equal for comfort and safety can be found, and it has proved itself as fast as the ordinary wheel on the road. Yours truly,

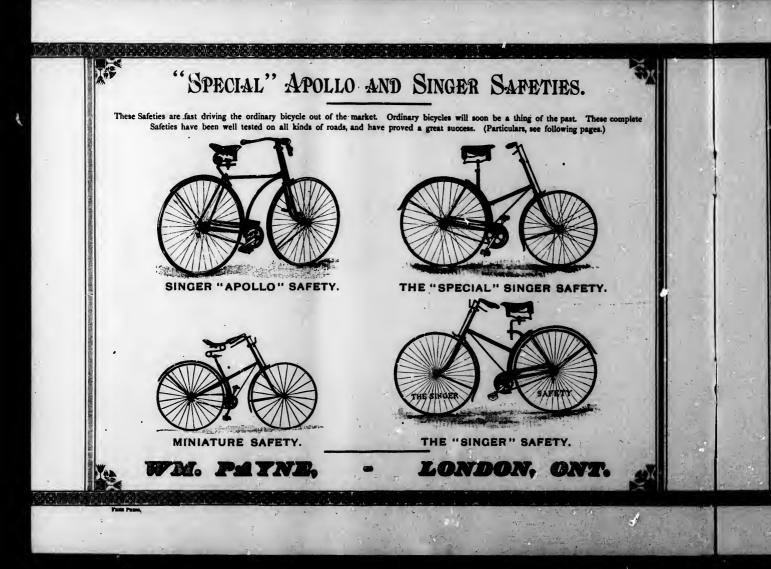
> S. M. LLOYD. Manager Bank of Montreal. Goderich, Ont.

From Mr. Roht, Tyson, Osgoode Hall, Toronto, Canada :

I have been for some time intending to write and tell you how my 48-in. "'Xtraordinary" suited me. I decided on the size and style after trying other sefeties (?) bicycles. What I needed was a safe, easy and comfortable road machine. I have got it now. I would not exchange my 48-in. "Xtra "--- any other bicycle or tricycle that I know of. A wheelman who tried it for a few miles has christened it the "Perfect Roadster." estimate of it. The special qualities about it are-ease of propulsion under difficulties, such as uphill, head winds or rough and that is ; iting and dismounting, the saddle being so near the ground; and good steering The point of not having far to lift yourself roads: ease it when mounting is an important one, and saves much fatigue. There is more work about the frequent mounting and dismounting of a high bievele than some wheelmen realize. I am also able to get a very satisfactory speed out of the machine.

WM. PAYNE, London, Ont.

FRAN PRAM



DESCRIPTION

"SPECIAL SINGER SAFETY:"

This Safety has been designed especially to supply those who require a very light machine. Having submitted it to severe trials during the last three months, we are able to *personally recommend* it most confidently. Every point has been carefully revised where it appeared to be capable of improvement, and we believe that in the *exact* form it is made it is practically *perfect*. It is very strong, comfortable and easy running, and may be relied upon for strength. Its details should be noted.

SPECIFICATION.--30-in. driving wheel speeded 60-in., 26-in. front wheel, best %-in. tires, hollow steel forks, steel felloes, Singer Ball Steering, Singer direct butt-ended spokes, Singer Ball Pedals, and balls to all running parts. Best combined spring and saddle, &c., &c. Enamelled and bright parts plated. Weight without saddle and pedals, about 35 lbs.

PRICE, \$115.

THE "APOLLO" SAFETY:

The "Apollo" we are able to recommend as a thoroughly efficient and complete geared up safety, which has been well tested on all kinds of roads, and has proved a great success, several thousands having been made since its introduction at the end of 1886. It is extremely rigid, has *perfect* chain adjustment, adjustable handles and saddle, powerful brake, comfortable footrests, &c.

SPECIFICATION. -- 30-in. wheels speeded to 54-in. or 57-in. (51-in. and 60.in. to order), %-in. tires, ball bearings to all running parts except pedals, weldless steel tube frame, handle-bar and forks, guard to both wheels and to chain, brake, footrests, lamp-holder, best combined saddle and spring, spanner, coned pedals, &c., &c. Enamelled, and with parts plated.

PRICE, \$100.

"SINGER'S SAFETY:"

The "Singer" Safety is of the very highest quality, having a specially strong and rigid arrangement of framework. Since is introduction at the end of last season it has given the highest satisfaction to all its riders, which are now very numerous. We strongly recommend this cycle as a thoroughly strong roadster of moderate weight.

Specifications and Price same as "Apollo."

LONDAR

"MINIATURE SAFETY:"

Designed to meet the requirements of young riders. Good and strong Safety.

SPECIFICATION.--24-in. wheels, 54-in. tires, adjustable coned bearings throughout, back and front forks best wrought iron, wheel and chain guards, brake, footrests, lamp-holder, good saddle and spring, rubber pedals, spanner and oil-can. Handle-bars and hubs plated, remainder enamelied black.

TELEPHONE No. 697.



Fam Pam

SINGER'S "CHALLENGE:"

All ball bearings, ball pedals, detachable handle-bar, Otto tires. All bright parts plated.

PRICE, \$90.

"BRITISH CHALLENGE:"

A thoroughly reliable roadster. Without doubt it has no equal. Fluted steel forks, double ball bearings, ball pedals, *direct butt-ended* spokes, 20-in. back wheel, front fork rake 3 inches, Otto tires to both wheels, detachable handle bar, with Brooks' patent tension saddle.

PRICE, \$100.

"MINIATURE CHALLENGE:"

Strong wheel for boys, direct butt-ended spokes, plain, bearings all enamelled black.

PRICE, FROM \$30 TO \$40.

"MINIATURE" TRICYCLE:

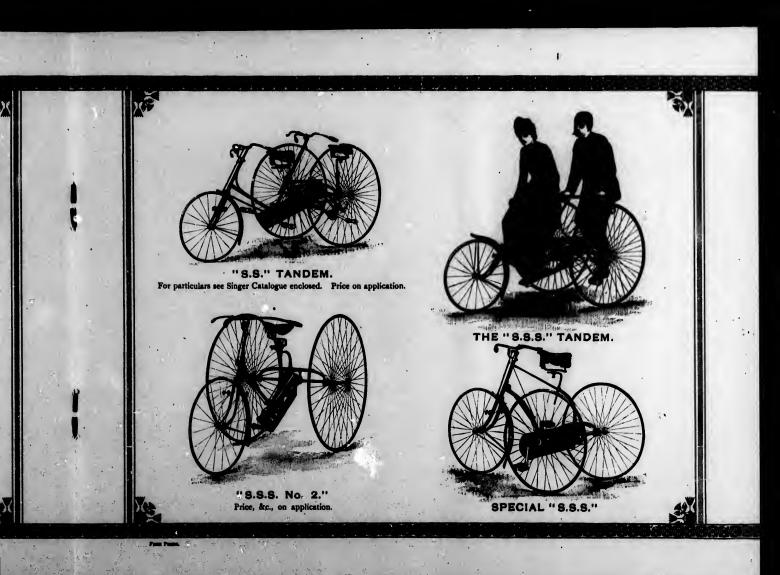
Suitable for riders from nine to fourteen years of age. PRICE. \$30.



The "Perfect" Luggage Carrier, complete, with strap. PRICE, \$1.00.



"MINIATURE" TRICYCLE.





AMERICAN TRICYCLE. For girls from 10 to 14 years. PRICE. \$32.





IMPROVED BRACKET FOR BOTTOM CHAIN-WHEEL AND DETACHABLE CRANK.

It will be seen on reference to the illustration that this Bracket has many advantages over the old type. Instead of having to adjust two bearings (which ought always to be perfectly adjusted relatively to each other) one single adjustment only is necessary. This is effected on the same principle as our well-known "British Challenge" bearing, and cannot possibly get out of order. The side strain is practically *sil*, as the chain-wheel is "dished," and the teeth are almost directly over one row of balls. The distance between the two rows of balls is greater than in the usual form of bracket, without increasing the width of tread.

This bearing is very firm and yet perfectly free, and it is a great improvement on any other bearing in existence. It is applied to most of our tricycles.

The detachable crank, shown in the illustration, is used on nearly all our cycles. A detachable crank is an absolute necessity, especially on roadsters, and this crank, which has been used by us since 1876, has proved itself to be the only good detachable crank.

N. B.--All my Bicycle and Tricycle Wheels will be built with direct butt-ended spokes. Tangent spokes and hollow rims only made to order, but are not recommended.

WM. PAYNE, London, Ont.

____VICTORIA * TANDEM

This machine is made capable of carrying any number—from one to twenty riders, and is readily convertible to suit any lesser number than the maximum for which it is built. There are no idle wheels, every one being driven. Victoria is the fastest and safest cycle in the world on the road or track, not excepting any other type of machine.



THE VICTORIA TANDEM.

In the tests of the ten-in-hand Victoria, undertaken by the War Office, at Aldershot, some of which were extremely severe; the machine invariably came off with flying colors. As a racing cycle, with four riders, it covered a quarter-mile on the Coventry track in 39 seconds, and the full mile in s min. 43; sec. time. This time has not been approached by any other heavy roadster cycle.

Special Catalogues mailed on application for the Victoria.

WM. PAYNE,

TELEPHONE 697.

LONDON, ONT.



