

### HOW TO BUY A WHEEL

AN EXPERT RIDER GIVES SOME VALUABLE POINTERS TO NOVICES.

One Wheel Does Not Suit Everybody—The Proper Weight of a Wheel for Ordinary Folk—How to Tell the Right Weight—Other Points.

"What kind of a bicycle shall I buy?" is a question frequently heard from people who are about to make their debut into cycling. Different manufacturers would answer the question in different ways, and each would persuade the purchaser, if possible, that the only proper and safe wheel to buy was of the kind turned out of his factory. A great deal depends, too, on the purchaser. Some wheels do not suit some people, and no wheel suits everybody. There are some points in the purchase of a wheel, however, that are about as nearly all cases, no matter what the purchaser, the size of his pocketbook or anything else. And just at this season, when so many thousands of people contemplate buying wheels, those points are appropos and valuable. That question, "What kind of a wheel shall I buy?" was put to an expert rider and maker of wheels, and his answers were interesting.

"In the first place," he said, "buy one that has established a reputation and has a repair shop near you. That advice is not given to support the dealer-home market idea, but as a matter of convenience to the buyer. It is not infrequently happens that a rider breaks some vital part of his wheel. If the factory where the wheel was made be near by, the repair ought to take only a day or two at most.

"It is a good scheme also, to get a wheel that has a reputation, or rather one that is made by a firm that has a reputation and is in business the year round. The reputation is valuable in many ways. It is a guarantee that the wheel is what it is claimed to be, or that the manufacturer will make good any defects.

"Weight is one of the most important considerations in buying a bicycle from the fact that it involves so many others. The ordinary rider ought not to buy the extremely light wheel. If he lives in an asphalted city the streets and boulevards are so smooth and even that the difference in propelling extremely light and ordinary weight wheels is scarcely noticeable.

"For country riding also the advantage is with the medium weight wheel. It will stand pounding and thumping that would wrench a racing machine all out of shape. For all purposes then but those of the race track the medium weight wheel is better than the extremely light. The manufacturer recognized this last year. They were forced to recognize it by the numerous breaks they had to repair in too lightly constructed machines. By all means buy a wheel that is heavy enough to carry you, if you buy one at all.

Another very important consideration is in getting a wheel that is high enough—ones that fits. A good test for height is this: Have the wheel high enough so that when the rider sits in the saddle he can just reach with a heel the pedal when in the lowest position it can reach in making a revolution. That distance, with the toe instead of the heel on the pedal, gives the proper reach and strain to the leg and enables the muscles to be used to the best advantage. And proper height of a wheel is a point to which many riders fail to give proper attention. How awkward a woman appears while riding a wheel that is too low for her. Her knees pump up and down in front of her and make her look as if she were trying to walk up the side of a wall. Besides that, it is harder to propel a wheel that is so low as not to give proper action to the legs and wears the rider out much sooner.

"Now as to handle bars. They are important. Many of the big manufacturers use the adjustable bars and those are desirable. They allow the rider to change his position. When he gets tired riding in an upright position he may twist the bars and bend forward. When he tires of that position he may return to the upright. But in the case of the handle bars on the machine you buy are not adjustable, don't by any means get the rams horn kind that require you to bend forward at an angle that is liable to bring curvature of the spine and all sorts of other difficulties. The proper bar, in my opinion, is one that brings the handle corks about up to the height of the saddle, so that the rider may lean slightly forward when he is tired of the upright position. Get tires that are both light and heavy. There are such tires, you know—not too heavy, of course, but heavy enough to turn a stone in the road and at the same time ride easy and light. The resilience of the tire is an important point. It should also be of the quick repair kind in some form or other.

"Most of the 32 wheels have big tubing and barrel hubs. I don't favor tubing that is extremely large. It has to be thin and dense to hold. Barrel hubs are an improvement. As to color and such minor details, it is all a matter of taste, except that a dark frame does not show dirt and bruises as the lighter ones do.

"My last piece of advice, and most important," concluded the expert, "is that anyone who contemplates buying a wheel should first try it if he knows the points, and if not have it tried by a friend who does. All the best dealers are willing to make that concession to customers, and by riding a wheel for a day or two at most one can tell whether or not it fits and runs to suit him. Women, of course, should be particular to get wheels that run easily and have regular bearings."

### THE ETHICS OF SPORT.

The Highest Enthusiasm Does Not Demand the Betting Ring.

Dr. Weiden, the headmaster of Harrow referring to the revival of the Olympian games in Greece this year, suggests in the Church Monthly that it would be well "to revive the thought that the highest excitement, the most passionate enthusiasm in the sport of horse-racing, does not demand the strident, selfish discord of the betting-ring." Horse racing itself he describes as "the sport of kings, the noblest exercise of the physical powers of the noblest animals," but gambling he denounces as "the vice of slaves—the dark, pestiferous shadow that infects all sport with its poison." He proceeds to point out that racing and betting were not always connected. In ancient Greece no one made a bet on the Olympian games. He does not say that every bet is an act of sin. He disclaims the use of exaggerated language, but he does contend that the habit of gambling "calls out what is the worst and meanest in human nature," and encourages tendencies which, if not checked, issue in personal and social disaster. "Let, then," he urges, "horse-racing and gambling be divorced once more. Let the patrons of the turf eschew an evil which dishonors and degrades their splendid sport."

The winner of a prize in the Olympian games received but a laurel crown for his reward, but the people of his province, state or city gave him substantial presents. So, at least, historians say. Gambling on chariot racing was at its height in Rome. There horse-racing became the kings' sport. Any bettered his chariot race. So little did the Roman think of chariot racing that the owner never drove his own horses. The driver in those days was better paid than the jockey of to-day. Though there was no betting-ring, more money was lost and won. A sporting writer, who was a fair Latin and Greek scholar, claimed that "Ben Hur" was failure as a historical novel. In it Messala, a nobleman drove his own horses, and Ben Hur, the adopted son of a Roman centurion, boasted that Caesar had wanted him to drive his couriers. Neither could have occurred, according to this authority. Chariot races in Rome were slaves, in Greece of the aristocracy. Alcibiades won a chariot race at the Olympian games and increased his popularity with the Greeks. Gambling does not appear to have been fostered by the Greeks. In Rome it was a custom.

There Was No Deal. It takes a Yorkshire man to make a horse dealer, but this time the canny Tyke missed his mark when he tried taking in a Neophyte in the horse business.

Said the dealer: "Now, there's a little 'oss I can warrant. He's a clever, perfectly trained snaffle-bridle hunter, and fast; up to twice your weight across any country. Sold for no fault. Well bred and powerful, highly couraged, good tempered and temperate with bounds. Well known with the Surrey, Berks, Cambridgeshire, Kent, Warwickshire, Mr. Scatton's, the Quorn, Pychley and several other top-notch packs. Winner of many races, out of constant work, perfectly sound, grand action and thoroughly broken. Goes well in harness, has run a wheelbarrow and leader in a team, will work in a cart, plow or harrow. Never out of his place, a capital jumper, never made a mistake in his life over bank, timber, water, stone wall, hill or vale country. Best lady's 'oss in the country; he'll ride as a charger; plenty of quality and manners; splendid mouth; don't shy, never stumbles; good walker and first-class trotter; excellent park hack; never sick or sorry since he was foaled, and subject to any vet's examination, and to be sold for a song."

"Excuse me, sir, but might I ask what you've got inside that box?" "Certainly," said the stranger. "A mousetrap."

A Valuable Canadian Product. Nine people out of ten do not know how really valuable a possession the horse has become to Canada. The horseless age is not gaining much headway with us, if we are to judge by the extent to which we send horses to the Old Country. Last year Canada sold more horses to England by a very considerable number than any other country in the world. We shipped no less than 16,351 horses to Great Britain, representing a value of \$1,800,000. This was an increase of 7484 head over 1904. Next to us came the United States with 12,577, or an increase of 5508 head over the previous year. These horses are chiefly of the working class, with a few of the lighter harness sort.

The sooner you begin to fight the fire, the more easily it is extinguished. The sooner you begin to take Ayer's Sarsaparilla for your blood-disease, the easier will be the cure. In both cases, delay is dangerous if not fatal. Be sure you get Ayer's, and no other.

One or two bottles of Northrop's Lyman's Vegetable Disinfectant will purify the blood, remove dyspepsia and drive away that extreme tired feeling which causes so much distress to the industrious and persons of sedentary habits. Mr. W. E. Ellis, Druggist Fenelon Falls, writes: "The Vegetable Disinfectant is selling well and giving good satisfaction."

### SCIENCE PROGRESS.

INFORMATION ABOUT NEW THINGS OF THE CENTURY'S END

Stumbling Blocks Which Have Been Put in the Pathway of Genius During the 19th Century—Inventions Were Destroyed by the Ignorant.

Papin, a Frenchman, invented the digester for paper-making and many other purposes, and also the first safety valve. In 1797 he made a small steamboat and ran it on the small river. The ignorant boatmen seized it and destroyed it.

When Jonathan Hulls patented his steamboat in England in 1784 he was made an object of great ridicule. One paper published this doggerel:

Jonathan Hulls, With his great skulls, Invented a machine To go against wind and stream. But, being so slow, Couldn't bring it to pass, And so was abandoned to spin.

Hargreaves invented a spinning jenny in 1764 in England. His fellow-workmen seized it, broke it to pieces and drove him from his native town.

Jacquard invented his loom and it was so wonderful that the French Minister of War, the great Artois, sent for the inventor and said to him: "Are you the man who can do what the Almighty cannot—tie a knot in a stretched string?" A mob of silk weavers took the loom from Jacquard's house, broke it up and burned the pieces.

When it was proposed to build a railroad in the United States, Chancellor Livingston, who was then Governor of New York, said to the projectors:

What one would want to risk his life flying through space at the rate of twelve or fifteen miles an hour.

David Webster had grave doubts about railroads being possible. He said the frogs would prevent the train from moving or stopping after it had begun to move.

Murdoch invented or discovered a means for producing illumination gas and Sir Humphrey Davy's "candle" lit the streets of the dome of St. Paul's would have to be his gasometer.

Sir Walter Scott thought cleverly about "gas" in his "Rob Roy" and "The Light Brigade" by smoke. Unfortunately Sir Walter's house was lighted by oil. Watt's steam engine, also ridiculed, the idea. It is only a few years since Europeans demonstrated mathematically that the electric current could be divided for incandescent lighting.

When the sewing machine was invented byers were offered in many churches for the promoters of it. The plans prevailed that the makers would be ritelized with the knowledge of their own wrongdoings. In robbing sewing women of their means of support—Chicago News.

Testing Aluminum. A scientific investigation was recently undertaken by the Imperial German health bureau to inquire into the suitability of the use of aluminum for cooking utensils. They proved that this metal is entirely free from communicating to food any poisonous salt such as is given off by copper, tin or lead. To make sure of this, the effects were tested by feeding aluminum taken into the system. Two physicians, aged respectively 26 and 35, volunteered to act as subjects. To each of these was administered daily with the lunch about fifteen grains of aluminum tetrachloride for the period of one month. By the end of that time neither had lost flesh or gained weight, nor felt the slightest discomfort. For cooking purposes the metal seems to be peculiarly adapted, seeing it is a splendid conductor and retainer of heat, while it has also the advantage of being non-poisonous and non-corroding.—Boston Transcript.

A Large Tunnel. The largest tunnel ever built—the underwater section of the Blackwell tunnel, under the Thames—has just been finished. It is twenty-seven feet in diameter and one mile in length. It connects the north side of the river with Greenwich on the south. Nearly 400 feet of this tunnel had to be driven by compressed air. The accuracy of the survey and the manner of the work of the engineers that pulled the tunnel under the river bed, there were at one time, but five feet and two inches of earth between the top of the tunnel and the water. So great was the danger of the water bursting through that large quantities of clay were dumped into the river over the thinnest spots.

Illustrating the old's training, a southern parrot talks of a little girl, 4 years old, who happened to be sliding on the ice when the parrot fell heavily and was evidently badly hurt. At the sound of her sobs a friend rushed to her assistance and caught her in her arms. "You poor little thing, and how did you fall?" The little girl had her head and neck between her hands. "Perfectly." So much for kindergarten training.

Most recent nomenclature of the asterisk is made last November, sets the figure at 47 for those which have received a regular "number" as having been definitely observed to determine the "number" of the general organs waiting to be numbered soon as possible, and whether they are really new or only redivergered old ones.

When Pinheads Should be Done. All fruit is well and good many shoots which will need trimming off. This should be done as soon as the shoots make their appearance.

#### DIAMONDS

Are valuable, but are not sold. One box will convince you of their worth.

#### DR. HOWARD'S ELECTRIC PILLS

BLOOD FOR BRAIN AND BUILDER FOR BODY

#### Know What You Chew




Is free from injurious coloring. The more you use of it the better you like it.

#### N. E. SMITH

LICENSED AUCTIONEER, FOR THE PROVINCES OF York and Ontario, Also agent for the low down McCormick Bindings, the binder of the future.

#### Horses Blankets, ROBES, AND LAP RUGS

Cheap for cash at J. BROWNSBERGER



#### W. J. STARK

AGENT FOR... QUEEN, Norwich Union Fire Insurance Companies

#### KOOTENAY CURED WHERE 50 DOCTORS FAILED.

For a number of years I was greatly troubled with a skin disease. I went to Hot Springs, Ark., and I actually believe I consulted over fifty doctors at different times without getting any relief. I took one bottle of your Kootenay Cure and it has cured me. Previous to using it I was unable to shave. It is no doubt a wonderful medicine. I recommend it most highly. Yours truly, A. TRUMAN, 109 King St. E., Hamilton, Ont.

#### self-help

You are weak, "run-down," health is frail, strength gone. Doctors call your case anemia—there is a fat-famine in your blood. Scott's Emulsion of cod-liver oil, with hypophosphites, is the best food-means of getting your strength back—your doctor will tell you that. He knows also that when the digestion is weak it is better to break up cod-liver oil out of the body than to burden your tired digestion with it. Scott's Emulsion does that.

#### W. H. TODD.

#### The Old Reliable MEAT MARKET.

G. H. KEMP, Family Butcher. Keeps on hand all kinds of FRESH AND SALT MEATS. SAUSAGES, HEAD CHEESE. And fish in season, in fact everything that is kept in a well-ordered shop.

#### SHINGLES.

Having lately purchased the establishment, formerly owned by Park Bros., we are prepared to do all kinds of WOOD-WORK. In the building line, such as Doors, sash, Blinds, Mouldings, Planing and Matching, &c.

#### MAPLE MOLA S ES

TIME COOK BROS. Opposite Railway Station.

#### FIRE Insurance.

Parties wishing to buy anything in this line have a chat with me before purchasing elsewhere. Show room at the market.

#### W. J. STARK

AGENT FOR... QUEEN, Norwich Union Fire Insurance Companies

#### Stouffville Carriage Works

I beg leave to inform the public that I have purchased the old German property east of the

#### Queen's Hotel

#### Farm Waggon, Buggies, Sleighs and Cutters

Of all descriptions, I keep none but first-class men in all the different branches, having selected my stock from the best houses in the Dominion, and having had 25 years experience in the trade myself I am confident of giving entire satisfaction to all who may favor me with their patronage. I have just received a consignment of varnish direct from W. Harland & Sons of England, come and get your buggy painted by A. B. SINBY one of the best Carriage Painters in this Province. Call and see my stock before purchasing elsewhere. All work warranted. Repairing done on the shortest notice.

#### W. H. TODD.

#### Wall Paper Wall Paper

This year as in former years I am showing the largest and best selected stock of Wall Paper in Town

#### MAPLE MOLA S ES

TIME COOK BROS. Opposite Railway Station.

#### SILVESTER & DOUGHERTY'S

YOU CAN'T DO IT. It isn't possible to go to a better place than the PANTRY. To buy your groceries. We keep the best quality in each line of Staple and Fancy groceries. Look at some of the following popular goods as evidence:

#### J. H. Ratcliff & Co.

#### Remedial School Bill

INTRODUCED. And so does H. JOHNSON introduce his select stock of SUPERIOR GROCERIES, TEAS, SUGARS, COFFEES, &C., &C. Can Goods of all kinds, Nuts, Oranges, Lemons, Lily White Flour, anything and everything to be found in a first-class grocery. Glass & Delf ware sold at cost. Now is your chance for a plum. TERMS: SPOT CASH. Another car of the celebrated Manitoba Flour on the way direct from Winnipeg. Look out for it. H. JOHNSON.