

Test Gin Pills at Our Expense

A CURE—OR MONEY BACK

We don't ask you to buy GIN PILLS—but to try them. We simply want you to see for yourself what GIN PILLS will do for you. A cent for a post card is the only expense. Simply write us, mentioning this paper, and saying you want a free sample of GIN PILLS. If you are satisfied that GIN PILLS are doing you good, get a box at your dealer's, on our guarantee that they will continue to help you. Take GIN PILLS regularly and faithfully, and they will cure you of Backache, Rheumatism, Sciatica, and every trace of Kidney and Bladder Trouble. If you are not perfectly satisfied—you have only to return the empty box and your dealer will promptly refund the money.

We know that we have, in GIN PILLS, the greatest cure in the world for Kidney and Bladder Troubles, and Rheumatism. No other medicine in the world is so widely known and so highly praised.

Starrat, Ont., Feb. 16, 1906.
Inclosed please find \$1.00 for two boxes of your "Gin Pills" as I am nearly out. The drug store at Burks Falls, where I got my supply, was burned down a couple of weeks ago, and I do not know where to get them except by writing to you. Hoping you will please send them by return mail as I am nearly out and can't do without them.

Yours truly,
JOHN BLACKMORE, Postmaster.
Don't put it off. Write us to-day and let us send you the free sample of GIN PILLS to try. The Bole Drug Co., Winnipeg. 50c box—6 for \$2.50. 85

MUST BE SOLD AT ONCE

A splendid **Improved FRUIT RANCH**, upwards of 200 acres in area, in the beautiful Slocan Valley, Kootenay District, British Columbia. River frontage, railroad through property, and close to station, post office, store, large saw mill and growing town.

Considerable acreage in orchard, with frame house, barn, and various outbuildings.

To ensure an absolutely immediate sale, this property will be sold at an enormous sacrifice. Easy terms of payment. The first to apply secures the bargain. Further information will be given upon request.

MORRISON & TOLLINGTON

Fruit Lands & Real Estate

P. O. Box 443

NELSON, B.C.

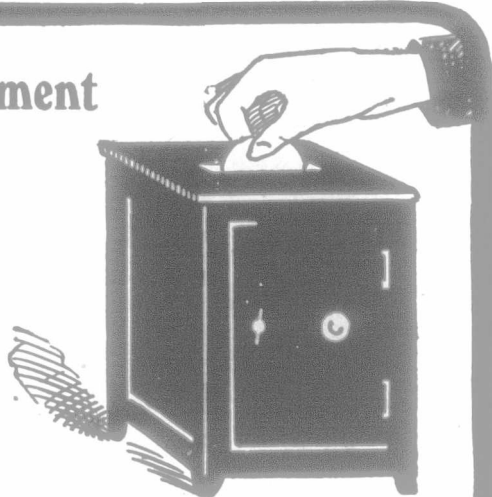
No Safer Investment

than

PAY ROLL

(Bright Plug)

Chewing Tobacco



the cheapest roof you can afford

"OSHAWA" Galvanized STEEL SHINGLES

AT \$4.50 a square (10 ft. by 10 ft.), and with a guarantee of twenty-five years service back of the sale, "Oshawa" Galvanized Steel Shingles make the cheapest good roof for any permanent building on your farm. They last a hundred years.

Even cedar or cypress shingles will cost you as much, and be rotted to dust long before an "Oshawa" Shingle shows a sign of wear.



Slate will cost you far more to buy and twice as much to put on,—and it won't last as long. "Oshawa" Steel Shingles make buildings lightning-proof, and are guaranteed water-proof, wind-proof, fire-proof, and weather-proof for a quarter-century, without painting. Made of semi-hardened-heavy sheet steel (28-gauge—

warranted) with heavy galvanizing. Anybody who can drive nails straight can roof any building with "Oshawa" Steel Shingles,—a hammer and a pair of tinners' snips are tools a-plenty.

Tell us the surface measure of any roof, and we will tell you exactly what it will cost to cover it with the cheapest roof you can really afford to use. Send for a FREE copy of our booklet, "Roofing Right," and read of the profitable, common-sense way to roof any building on any farm. The booklet is worth reading. It tells why an "Oshawa" shingled roof is cheapest for you. It tells, too, why "Oshawa" shingled roof is safe from lightning, and gives some surprising facts about the destruction lightning caused in Canada last year. Better read the



"Oshawa" Galvanized Steel Shingles are GUARANTEED in every way for 25 Years. Ought to Last a Century

book—where shall we send you a copy?

The Pedlar People Of Oshawa

MONTREAL
321-3 Craig St. W.

TORONTO
11 Colborne St.

OTTAWA
423 Sussex St.

LONDON
69 Dundas St.

WINNIPEG
76 Lombard St.

VANCOUVER
615 Pender St.

STREAM FROM HOSE.

1. How high can a hydraulic pump throw water through a $1\frac{1}{2}$ inch hose one thousand feet long, and eight men working the pump?

2. By placing the pump about 10 feet from a tank standing 16 feet high from the ground to the bottom of the tank, and the water in the tank about 18 feet deep when it is full and the pump connected direct with the pipe under the tank, will that work when the supply pipe is larger than the discharge hose?

The pump is for fire protection and the supply of water is from a railway tank, and you know how they are built.

Alta. C. P. A., Village Overseer.

Ans.—In reply to correspondent questions would say that it is impossible to say how high a stream can be thrown with a $1\frac{1}{2}$ inch hose without knowing the size of the pump, leverage, etc., kind of hose, and size of nozzle used. However, it may be of service to him to know that 1,000 ft. of rubber-lined hose discharging 100 gals. per minute would have a resistance equal to about 350 lbs.

From experiments conducted by Messrs. Ellis & Seshure the following figures have been obtained:—

Size of Nozzle	1"	1 1/2"
Pressure at the nozzle in lbs.	40	60
per square inch	80	100
Pressure at pump with 100 ft. of 2 1/2" hose.	48	73
Gallons per minute	155	180
Horizontal distance, thrown, ft.	109	142
Vertical distance thrown, ft.	79	108

With regard to the second question, the pump will work all right with a supply larger than the discharge under the conditions laid down.

A. R. GREIG,

Dept. of Engineering, Manitoba Agricultural College.

BROKEN CONTRACT.

A buys a $\frac{1}{4}$ section from B and makes one payment on it. The second payment comes due on March 1st, 1907. A is unable to make this payment at the date on account of the shortage of cars to ship his grain. Can B demand contract of place?

Sask.

P. M.

Ans.—Yes; legally the contract is broken by A not meeting his obligation. If he had taken precaution he might have raised some money to meet the payment or have got an extension from B.

CUBIC FEET IN A TON.

Kindly let me know how many cubic feet you figure a ton of hay, partly slough hay; and what is the best way to measure it?

Sask.

W. C. S.

Ans.—It depends on several things as we have pointed out several times in the past few months. One must use his judgment as to how it will weigh and then estimate between 400 and 500 cubic feet to the ton. Measure the stack with a tape or line; multiply the length by the width and the product by the height; then divide by 45 under average conditions.