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MICHAEL'S SEED STORE, 316 Pearl St., Sioux City, Ia.



EARLY ROSE CORN.



EXTRA EARLY ACME.

After testing the merits of the Six Weeks' Potato a few years ago, we offered it to our trade as something special in early potatoes,

and where it has been kept pure we still claim for it all that we ever did, but this year for the first time we offer the **Early Acme**, which for earliness is ahead of anything we have ever known. The Acme is five to ten days earlier than the Six Weeks and a splendid, good yielder; a regular good-sized potato. Round, smooth, tempting, and wins for the grower the fancy prices that the first in the market always commands. Our stock is limited. Order at once.

EARLY ROSE CORN.

King of the Field.

We have always made Seed Corn a special study. Our rich soil, our location in the center of the northwest corn belt, and our dry, ripening autumn weather affords advantages for raising, maturing and curing seed corn of the highest vitality, strength of growth and purity strain, that excel that of any section in the world. When we offer a variety of seed corn it is after we have tested its merits and know it to be worthy of recommendation. Satisfying ourselves of the merits of the Early Rose corn, we offer it with the full assurance to every planter that it is a corn of the highest standard. It is a rich yellow dent sort, yielding heavy crops of good solid, shapely ears. Field after field of it went from 80 to 100 bushels per acre right along in this section. It is medium early, ripening ahead of early frosts that sometimes occur in September. Planters who plant largely for a feeding corn and who planted it last year for the first time, tell us they will plant their entire crops this year of this variety. It costs but a trifle per acre for seed corn. Sample ear, postpaid, 15c, with special rates per bushel.

SMOOTH BROME GRASS.

(*Bromus Inermis*.)

An erect perennial, 2 to 5 feet high, with strong creeping root-stocks and loose open panicles or seed heads, 4 to 6 inches long. It is a native of Russia and promises to be of much value in this country, particularly in the northwest, both for hay and pasturage. It quickly makes a firm, thick turf, and its strong, perennial character and unusual drought resisting powers recommend it for general cultivation. It thrives well on dry, loose soil, and has been grown successfully from Canada southward to Tennessee and westward to Washington and Oregon. In Europe this brome grass is classed among the best forage plants. A bushel of seed weighs about 14 pounds.

The South Dakota Experiment Station, of Brookings, says: "This is the best grass that has yet been tried at this station. When properly sown it catches well, giving a good sod the first year; in favorable seasons a fair yield of hay may also be obtained. Up to the present the best results have been obtained by sowing plenty of seed on well prepared ground as early as possible in the spring. From two to two and one-half bushels should be sown to the acre, depending somewhat upon the season and condition of the soil. The forage, though coarse, is of excellent quality, and, under ordinary circumstances, a large amount of early spring and fall feed may be obtained, in addition to a good yield of hay. Thus far the grass has endured drought perfectly, and has never winter killed in the least."



BROMUS INERMIS GRASS.

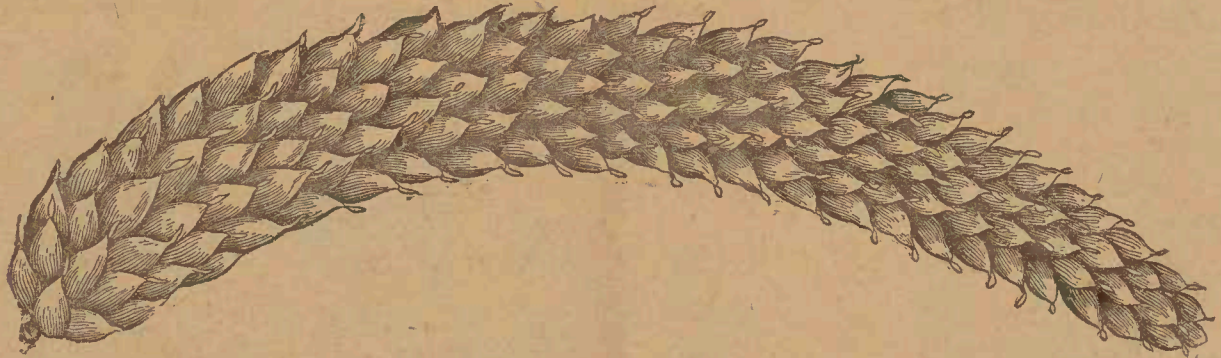
J. S. MICHAEL,
Seed Merchant

Michael's Seed Store,

316 Pearl Street,

Sioux City, Iowa

SILVER BEARDLESS BARLEY.



Do you raise barley? If you do then you know how the prickly beards stick you in the harvest. Here is a barley, my farmer friend, that overcomes that awful annoyance. A barley that is actually without beards. Just as smooth as wheat. Looks the same

as any ordinary white barley when threshed; it is a wonderful heavy yielder, outyielding the old prickly bearded sorts two bushels to one. Has a stiff, strong straw; stands up well and does not shell out when ripe. Never known to smut, a great stooler; is healthy,

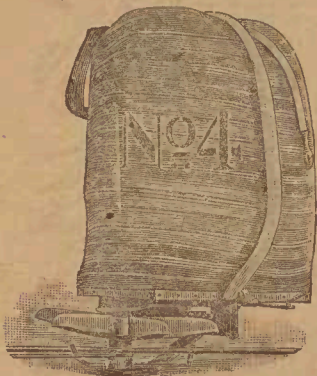
strong and vigorous. It is six rowed and has a longer head than most any variety known; is early ripening—two weeks ahead of the other sorts; in fact possesses every good feature that anybody could wish in a barley. Samples free on application, with special prices.

Alfalfa as a forage plant has been tested and tried in the climate and soil of the northwest with splendid results, and is now a standard grass crop for this entire region. With few exceptions it has given the best of satisfaction. It should be sown on well cultivated land in the spring, as soon as the ground is in a tillable condition. Can be drilled or sown broadcast. If drilled, 15 to 20 pounds per acre is sufficient; when sown broadcast, 20 to 25 pounds per acre is required. When drilled it should be covered lightly and then cross-harrowed, which insures an even stand; if broadcast a light harrow will cover it well enough. A better stand is always gotten by rolling the land after sowing. It is best to sow it by itself, though on clay or cloddy soil or lands given to weeds it is thought best by many to sow a light sprinkle of



ALFALFA CLOVER.

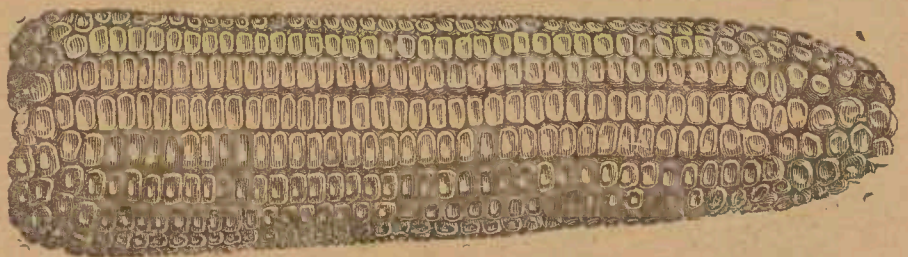
wheat, barley or oats as a nurse crop. Some farmers cut it for hay the first season, but this depends entirely upon the rapidity of the growth and is not recommended until the second year. If the field gets weedy the weeds must be mowed and raked off or they will choke out the young plants. Once it gets started the Alfalfa soon takes possession of the ground and kills out the weeds. A light sprinkle of manure is of great value for the first winter. It has a wonderful growth and turns as much as three crops per season. The hay is rich and nutritious and valuable feed for all farm animals. It is very valuable as a hog pasture, and one acre will keep 10 to 20 hogs through a season. Every farmer should have a field of Alfalfa. The seed costs but a trifle compared with results. Special prices with samples on application.



**Fiddle Eow
SEEDER.**

We guarantee this machine to give perfect satisfaction with any kind of grain sowing broadcast. Can be gauged to sow any kind of seed.

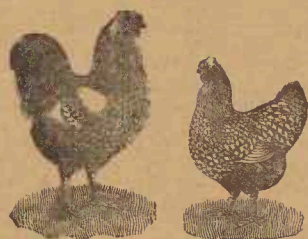
Pride of the North Corn.



J. S. MICHAEL, Seed Merchant

CRUSHED OYSTER SHELLS FOR POULTRY.

THE "PEERLESS" BRAND.



All breeders of poultry recognize the fact that a grit of some kind is a necessity. Even where the fowls range, strength and plumpness are gained by providing them with Crushed Oyster Shells.

The most frequent cause of HENS NOT LAYING is the absence in the feed of CARBONATE OF LIME. As CRUSHED OYSTER SHELLS is practically pure Carbonate of Lime, it supplies, when fed to poultry, this most essential element, and greatly adds to the formation of the egg. Stone lime, gravel, grits, in fact, nothing of a mineral character will equal Crushed Oyster Shells in beneficial results.

ADVANTAGES GAINED BY THE USE OF IT.

It acts as grit and prevents "cholera."
It keeps the poultry healthy.
It makes hens lay an egg per day.
It prevents soft shell eggs.

It makes the egg shells strong enough to carry without breaking.
It contains many essential components of the egg.
It makes eggs larger and heavier.

"Peerless" Brand Shells are Superior to all Others.

First—Because they are manufactured from fresh shells.

Second—Because they are dried by patent hot air process—not by fire, which burns out some of the most desirable qualities.

Third—Because they are screened by patented machinery into the proper size for poultry to eat.

During the process of manufacture all dust and dirt is removed, leaving the shells clean and white.

When you buy 100 pounds of "PEERLESS" BRAND CRUSHED OYSTER SHELLS you get 100 pounds of SHELLS, not 15 to 20 pounds of dust and dirt mixed in.

To get best results in poultry raising, the use of something of the kind is positively necessary. Every poultry house or yard should have a pan or trough full, so that the fowls can have access to them at all times.

Put up in 100 lb. bags and sells at \$1.00 per bag. Broken lots, 10 pounds for 15 cents.

ACTUAL EXPERIMENTS SHOW:

Where "Crushed Oyster Shells" were fed to the hens: Duration of test, 22 days; number of eggs, 33; weight of eggs, 1489.6 grammes.

Where "Sharp Grits" were fed: Duration of test, 22 days; number of eggs, 6; weight of eggs, 257.5 grammes.

For Sale by

MICHAEL'S SEED STORE, 316 Pearl St., Sioux City, Ia.

Michaels

"

1900



IN ACCORDANCE WITH THE OFFER MADE BY A FRIEND OF THE **FARM**
JOURNAL HIS NAME AND P. O. ADDRESS BEING WRITTEN ON THE FACE OF THIS COUPON, I
ENCLOSE HEREWITH THE SUM OF **50 CENTS** FOR WHICH
SEND THE **FARM JOURNAL** THE REMAINDER OF 1899, AND ALL OF **1900**
1901, 1902, AND 1903 TO ME

NAME _____

P. O. _____ STATE _____

To Whom it May Concern

WE GUARANTEE TO SEND THE **FARM JOURNAL** TO THE ABOVE ADDRESS (OR
THE ADDRESS MAY BE CHANGED) FOR THE PERIOD NAMED ABOVE. MAIL THE 50 CTS. AND COUPON
CAREFULLY IN A STRONG ENVELOPE ADDRESSED TO THE **FARM JOURNAL**
PHILADELPHIA, PA. IF COIN BE SENT, FOLD IT IN STRONG PAPER OR SEW
IT BETWEEN TWO CARDS BEFORE SEALING THE ENVELOPE.

Wilmer Atkinson Co

PUBLISHERS FARM JOURNAL

TO MY FRIEND AND NEIGHBOR THE SINGLE SUBSCRIPTION PRICE
OF THE **FARM JOURNAL** IS 50 CTS. A YEAR; IN CLUBS IT IS 25 CTS. A YEAR; BUT
ALL WHO USE THIS **COUPON** WHEN SIGNED BELOW, CAN OBTAIN THE PAPER 5 YEARS (THE
REMAINDER OF 1899 AND ALL OF 1900, 1901, 1902 AND 1903). **ALL FOR 50 CENTS**

THE FARM JOURNAL IS A GEM. IT IS 22 YEARS OLD. IT IS PRACTICAL. IT
IS FOR THE FARMER, TRUCKER, FRUIT GROWER, DAIRYMAN, POULTRYMAN, THE WOMEN FOLKS AND THE
BOYS AND GIRLS. BOILED DOWN—MUCH IN LITTLE; CREAM, NOT SKIM MILK. FULL OF GUMPTION;
FULL OF SUNSHINE; A STAUNCH ADVOCATE OF THE RIGHTS AND INTERESTS OF COUNTRY PEOPLE. IT
IS GENUINE, HONEST, CLEAN, PROGRESSIVE; KNOWS WHAT TO LEAVE OUT AND WHAT TO PUT IN

I WANT YOU TO TAKE IT WRITE YOUR NAME AND ADDRESS ON THE BACK OF
THIS COUPON, AND MAIL IT WITH 50 CTS. **DIRECT TO FARM JOURNAL**
PHILADELPHIA

NAME **J. S. MICHAEL, Garden and Field Seeds,**

316 Pearl St., Sioux City, Iowa.

P. O. AND STATE
(OVER)

SAMPLE COPY FREE