ints.

tems

ision

de of

pari-ities

ntific

nec-

239

larly

arist.

, and

siz at

aken

es at

s one

at of

ds, it

ation

men-

mis-

ways

ntary

thing

that

com-

y lost

ls. I

age,

be a

there

p the

early

isfied

h are

; and

r why

when

hools

ead of

erals,

us go

books

imals,

ritish

vers :

facts must

ituent

s ele-l con-

bring from

cience

ons he

ority.

ll this

obser

oncep

eaches

erve a

n too

wards

y are

le is a

rch of

eralo-

re. He

g; an

cation

ow to

truly

to the

has to

far as

ght to

lough-

ing to

e is ex-

makes hile it

is that

intelli-

teach-

e life-

by our

ie, the

plants

all be mport-f these

at the

of the

ational blished

better

culties,

tion as

to the

ovides

pations

# THE FARMER'S ADVOCATE & HOME MAGAZINE

THE LEADING AGRICULTURAL JOURNAL IN THE DOMINION.

PUBLISHED BY

THE WILLIAM WELD COMPANY (LIMITED). LONDON, ONT., and WINNIPEG, MAN.

JOHN WELD, Manager.

1. The Farmer's Advocate is published on the  ${\rm first}$  and  ${\rm fifteenth}$  of each month.

It is impartial and independent of all cliques or parties, handsomely illustrated with original engravings, and furnishes the most profitable, practical and reliable information for farmers, dairymen, gardeners and stockmen, of any publication in Canada.

 Terms of Subscription—\$1.00 per year in advance; \$1.25 if in arrears; sample copy free. European subscription, 6s., or \$1.50. New subscriptions can commence with any month. 3. Advertising Rates—Single insertion, 30 cents per line. Contract rates furnished on application.

tract rates turnished on application.

4. Discontinuances—Remember that the publisher must be notified by letter or post-card when a subscriber wishes his paper stopped. All arrearages must be paid. Returning your paper will not enable us to discontinue it, as we cannot find your name on our books unless your Post Office address

The Advocate is sent to subscribers until an explicit order is received for its discontinuance. All payments of arrearages must be made as required by law.

6. The Law is, that all subscribers to newspapers are held responsible until all arrearages are paid, and their paper ordered to be discontinued. ordered to be discontinued.

7. Remittances should be made direct to this office, either by Registered Letter or Money Order, which will be at our risk. When made otherwise we cannot be responsible. 8. Always give the Name of the Post Office to which your paper is sent. Your name cannot be found on our books

unless this is done. The Date on your Label shows to what time your subscription is paid.

10. Subscribers failing to receive their paper promptly and regularly will confer a favor by reporting the fact at once.

regularly will confer a favor by reporting the fact at once.

11. We Invite Farmers to write us on any agricultural topic. We are always pleased to receive practical articles. For such as we consider valuable we will pay ten cents per inch printed matter. Criticisms of Articles, Suggestions How to Improve the ADVOCATE, Descriptions of New Grains, Roots or Vegetables not generally known, Particulars of Experiments Tried, or Improved Methods of Cultivation, are each and all welcome. Contributions sent us must not be furnished other papers until after they have appeared in our columns. Rejected matter will be retured on receipt of postage.

12. Replies to circulars and letters of enquiry sent from this office will not be paid for as provided above.

13. No anonymous communications or enquiries will receive attention.

 Letters intended for publication should be written on one side of the paper only. 15. All communications in reference to any matter connected with this paper should be addressed as below, and not to any individual connected with the paper.

THE FARMER'S ADVOCATE, or

THE WILLIAM WELD CO.. LONDON, ONTARIO, CANADA.

### CONTENTS.

EDITORIAL:—
213—Our Illustration.
214—Our Frontispiece; Agricultural Education. 215—
What Three Men Think; The Future of Canadian Records;
Trouble Brewing. 216—The Late James Graham; Obituary;
The ADVOCATE Steadily Improving—New Subscribers Pleased;
Provincial Dairy Show—To be Held at the Town of Gananoque.

216-The Breeding and Management of Swine; The Report 216—The Breeding and Management of Swine; The Report of the British Tuberculosis Commission; Selecting Breeding Pigs. 217—Our Scottish Letter; A Practical Test for the "Experts"; Calf-Rearing; Dipping Sheep. 218—An Amalgamation Proposed; A Note from Scotland.

FARM: - 218-Bean Growing in Kent Co., Ont.; Road Making;

Better Ventilation.

DAIRY:

219 - Milking Machines.

GARDEN AND ORCHARD:

219 - Marketing Small Fruits; Fruit Prospects. 219—Management of Sitters and Young Chicks. 220—Duck Fattening; The Most Profitable Shade Tree for the Poultry-

Yard,
QUESTIONS AND ANSWERS:—
220 - Veterinary; Miscellaneous.
LIVE STOCK MARKETS:—
220-Toronto. 221-East Buffalo Stock Letter; Chatty
Stock Letter from Chicago.
FAMILY CIRCLE:—221.
CHILDREN'S CORNER:—222.
STOLLI CORNER:—222.

CHILDREN'S CORNER: --222.
SOCIAL CORNER: --223.
QUIET HOUR: --223.
UNCLE TOM'S DEPARTMENT: --223
STOCK GOSSIP: --224, 225, 226, 227, 228, 229, 231.
NOTICES: --228.
BOOK TABLE: --228.

ADVERTISEMENTS: -224 to 232.

## What Three Men Think.

Wm. Graham, under date of May 15th, 1895, writes from Huron Co., Ont.:—"You will please find enclosed \$1 for the renewal for another year of the FARMER'S ADVOCATE, the best farmer's paper published in Canada,—good, clean, moral, and useful. the best both for old and young. If more farmers would take such a paper, and keep posted, it would help to prevent them from taking the "blues" in the tough times we have of late come through. Wishing you every success with your

splendid paper.' Henry Smith, Pugwash, N.S.:-"Your paper is well liked, being independent and fearless in ad-

vocating what is right.' Frank Mingle, St. Annes: - "In renewing my subscription, I desire to state that I have received more practical information from the ADVOCATE that from any other Agricultural paper I have

### The Future of Canadian Records.

As will appear from our report of the recent meeting of the Dominion Sheep and Swine Breeders' Association, a committee was appointed to consider registration and the publication of records, and to confer with the Minister of Agriculture, Hon. John Dryden, upon the subject. Readers of the FARMER'S ADVOCATE are well aware that the new Agriculture and Arts Act transfers the control of Canadian Live Stock Records directly to the breeding organizations interested; but the Government retains the privilege of appointing a person or persons to aid in carrying on this important work. We took occasion, in dealing with this subject in our issue of March 1st, to point out that this is a work which our various breeders' associations can well control themselves; in fact, we think it tends to develop a more progressive and self-reliant spirit when they depend upon and carefully administer their own resources, rather than relying upon State aid. No doubt, in recognition of this principle, the Minister of Agriculture, by the new Act, provides for direct control by the breeders rather than through the machinery of the old Agriculture and Arts Association, which passes out of existence on Dec. 31st next

As we showed a couple/of months ago, the Canadian Holstein-Friesian Association, which is run wholly by the breeders without outside aid, this year report a surplus sufficient to warrant them in undertaking the publication of a second record volume. So far as we have heard, their work has been satisfactorily done. The reason for the establishment of this Association, we might explain, was the excessive fees exacted by the American Association, which, we may add, brought another very thrifty record association of the same breed into existence in the Western States. Our Canadian "black and white" record is precisely equal in standard to the parent organization, but it costs far less money to run it. A big monopoly is not usually merciful upon those under its control.

We are glad to know that the work of restoring the Canadian records, burned in the Agriculture and Arts fire last winter, is going steadily and successfully forward. At such a particular juncture, interested parties may inspire elaborate suggestions that would throw the control of these records 'across the lines"; but we are inclined to think the breeding fraternity of Canada will not be disposed to countenance any crawfish move-ment of this sort. Nor is this from any narrow, so-called national spirit, though that possibly exercises its influence, and rightly so. Our United States friends have, perhaps, more than Canadians, through their school system fostered a strong national sentiment which has made every boy and girl proud of the Republic. There are other and more practical reasons why our independent records should be preserved.

The permanent success of Canadian agriculture depends upon live stock husbandry, and that dependence must, in the natural order of things, Pure-bred stock constitutes the basis of live stock husbandry. Without it there can be no improvement, no progress. We do not propose re-trogression in Canada. Hence, the home demand for pure-bred cattle and other classes of stock must increase with the development of this country. There is already, as we predicted last winter, an upward tendency in Canadian farming. Nor must we forget our great Northwest, and its rapidly-grow-ing live stock interests. Our pure-bred cattle trade now with the States may not be, for example, what it once was before their herds were established, but they will always find it imperative to draw, in many classes, more or less upon the superior breeding stock of Canada. It did not need even the World's Fair to teach this lesson.

Our United States neighbors (and from their standpoint, one cannot blame them) have been seeking to fill the coffers of their record treasuries, using as a lever a Government regulation which compels the registration of Canadian stock in their records before it becomes a case of "free trade" in pure-bred stock. [Whether buyer or seller pay these fees may, for aught we know, be made a con-sideration in the deals.] Of course the trade from Canada to the States has of late been largely sheep and swine, and to register on both sides (where that is done) is a hardship; but the Americans have steadily resisted every effort to relax their "embargo" they want the registry fees. As a prominent American said to the writer last winter: Government at Washington simply did what our breeding organizations told them to do in this matter." It is, however, intensely selfish.

Some weeks ago one of our readers wrote us anent a great "affiliation" of breeders' organizations with "international registration," but the big end of which would be found south of the great lakes and the 49th parallel of latitude. The scheme is first mooted on this side of the line, and comes with a great cloud of words, hopes being held out of rewell to have a care lest we grasp at a shadow and flocks.

lose the substance. We have records now, but we don't know what we might have or what we might not have once control slipped from our hands. It is notorious that some U. S standards are lower than ours. To abandon our independent records, the fruits of years of careful labor, would bring us face to face with hopeless entanglement in the event of attempting to retrace our steps.

Furthermore, to eliminate registration would be to remove one of the strong elements of permanence in live stock organizations, and these we must always have. Canadian stock has a world-wide reputation, and at this juncture in the history of anada as a great agricultural nation, let us retain the control and maintain the integrity of our own live stock records, doing our own registration and publication. There is no pretence that the American standards are superior to the Canadian, so that the gentleman whose words we quoted above simply told the plain, unvarnished truth. have never met the representations of Capadian breeders through our Federal authorities, and, as Mr. Robert Miller put it at the Clydesdale meeting in Toronto last winter, Canada is entitled, apart from all other considerations, to expect a prompt recognition of the justice of the representations made upon the well-accepted amenities that prevail among nations.

As heretofore, we have in Canada ample ability to run these records economically and well, whether it relates to Shorthorns, Clydesdales, Aryshires, etc., or to sheep and swine, and breeders can doubtless count on any aid required at the outset from the Provincial Minister of Agriculture; in fact, he has made provision for that in the terms of the new Act. We can also still live on the best of terms with our neighbors; but we have a right to expect fair, reciprocal dealings in the matter of record

recognition
We cannot, after due consideration, regard this great international affiliation" (as far as the future Canadian breeding interests are concerned) as other than a one-sided and dangerous suggestion; but surely the resources of international statesmanship are not yet exhausted!

#### Trouble Brewing.

The immense numbers of sheep imported into Great Britain on the hoof last year (not to mention dressed carcasses) must have had a disturbing effect on the dreams of the Old Country shepherd. If we read aright, in the light of the past, the constant clamor that is being kept up in agricultural circles there regarding diseased foreign sheep, something in the nature of an embargo would not be altogether unexpected in the near future. In view of the terrible punishment British breeders and farmers have endured in the past from animal diseases of various sorts, notably pleuro-pneumonia, we do not wonder that they are apprehensive. The burnt child dreads the fire. People in this country, where pleuro, etc., have never obtained a foothold [the case brought over from Britain years ago being promptly snuffed out of existence at the Quebec quarantine; nor has any trace of the disease ever appeared in Canada since], really do not appreciate as they should their clean health bill. The loud complaints we have been hearing of late from the Old Country relate to United States sheep; but it behooves the authorities at Ottawa and their officials, not only at ports of entry or quarantine, but at ports of export, to keep a "weather eye" open for squalls, or we may have a repetition of the Canadian cattle embargo. When British breeding interests and the interests of the "colonist," as they sometimes call us yet, come in conflict, so much the worse for the colonist" every time. A very slender peg will be found sufficient upon which to hang an embargo, and once established, any attempts at removal will be about as hopeless as the task of the Mohammedan tailor who attempted to eject the camel which he incautiously permitted to gain admission to his domicile on the pretext that it simply wanted to put its head in. The quarantine of sheep and other stock from all quarters, Britain included, and the inspection of sheep, as well as other stock for export from Canada, cannot be too rigidly enforced, in order that no unsound animals be admitted or that no weakly ones be allowed to go forward, and which might, through exposure, develop some acute trouble in transit. In the case of cattle, it does not appear to make very much difference whether British experts can concur in any unequivocal statement that the lesions said to have been detected were those of contagious pleuro-pneumonia or not. If they "looked like it," that appeared to be sufficient to settle the matter, and one of these days there may possibly be a somewhat similar experience to record regarding the export sheep trade, which last year attained such large dimensions. The best that we can do in the meantime is, like Casar's wife, to keep ourselves above suspicion, not only for the preservation of our export trade. duced expenses and cheaper registration. We do but for the continuance of sound health among our