When George Stephenson was Asked, "Do you believe in perpetual motion?" he replied, "Yes, if you lift yourself by the waist-band of the trousers, and carry yourself three times round the room."

Just so, and a woman would just as soon believe that she has not to pay dearly for common premium scaps, in the low quality of scap, In ruined hands and clothes. She would be kept in perpetual motion trying to do with common soap what she could so easily do with Sunlight Soap—Octagon Bar. 216

SHALLOW CULTIVATION AND ROTATION.

By J. H. Grisdale, Agriculturist, Experimental Farm, Ottawa.

For many years farmers in Eastnn Canada were grain growers merey. Necessity forced the inception of such a system of agriculture. Habt and ignorance prolonged the practice of such farming. The wonderlul strength, and seemingly inexhaustible fertility of the soil made its ong continuance possible. The discovery of the possibilities of the Northwest and the gradual exhaustion of our fields called a halt. Hence, for some years past change has been in the air.

Live stock farming, the system making the smallest demands on soil fertility, is rapidly supplanting grain growing. Parts of nearly every farm are now much better in condition than they were a few years ago; and, further, such is nature's worderful recuperative power, since the partial cessation of the tremendous drain of grain exportation the average crop returns for Eastern Carada have gone up very considerably. But, as every farmer knows, even live stock farming long continued means a gradual loss of fer- chief factor making for soil fertiltility unless considerable food other ity. than that produced on the farm is fed to stock and the manure properly cared for and utilized.

methods for cheaply restoring lost tioned. Our prairie and newlyfertility and profitably cultivating cleared soils contain immense quansoils so that "improved, rather than tities of this material. Exposure impoverished" may be the annual to heat and the intermixture of

ject exhaustively in such an article plowing provide the conditions best as this, but one plan of cultivation calculated to dissipate this matter found to give good results is where most rapidly and most effectively. again harrowed, care being exercised layers. to provent the sod being disturbed. It holds loose, porous solids to-

SEEMS ABLE TO PROVE THE TRUTH OF WHAT HE SAYS.

Mr. Chalker Makes Some Very Strong Statements - Explains That He is Prepared to Prove the Truth of Every Assertion He Makes.

Housey's Rapids, Ont., Sept. 22 .--(Special)-Mr. George C. Chalker, a well known resident of this place, has authorized the publication of a letter containing some very startling statements.

Those who know Mr. Chalker will not ask any proof of the truth of any statement he makes, but to convince those who do not know him, he has announced that he is prepared to substantiate in every detail, the truth of his published statement, which is as follows :-

"It is with pleasure that I certify to the merits of Dodd's Kidney Pills. "I was laid up with Kidney Trouble and was so bad that I could not do a day's work. My back was very sore, I had heavy aching arms, duli bloated eyes. I was very weak and much reduced in weight.

"After I had used six boxes of Dodd's Kidney Pills I was ten pounds heavier. I often wonder

Trouble, and I can prove it.

gold to any one suffering as I suffer- the five-year in rainy districts, are ed. The six boxes of Dodd's Kidney most serviceable in increasing the Pills cured me completely and there humus in the surface soil, and so has been no return of my old "improving the physical condition"; trouble. That is over three years which means "increasing the proago, and I still enjoy good health." ductivity" of our fields. This, is, indeed, a very strong testimonial for Dodd's Kidney Pills and one which will have very great Ask for Minard's and take no other. weight with all who have the pleasure of Mr. Chalker's acquaintance

or friendship. Bodd's Kidney Pills have made sia's total area, or, in all, 4642 many friends and are to-day, with- million acres. In other words, there out doubt, the mest popular family are 4 acres of forest to every in- spun out of a single pound of cot-

grain is sown, the soil is ready for seeding at a considerably earlier date than where late fall plowing is practised.

If along with this system of shallow cultivation a proper rotation is adopted, most excellent results are sure to follow. As clover is the only crop which, while giving a profitable harvest still serves to enrich rather than to impoverish the soil, it is evident that clover should take prominent place in August rotations in this country. With this fact mind, a few rotations suitable the improving of our lands may be offered, as follows:

Three-year rotation—(1) grain, (2) clover hay, (3) pasture.

Three-year rotation — (1) corn and roots, (2) grain, (3) clover hay. Four-year rotation — (1) orn and roots or pease, (2) grain, (3) clover hay, (4) hay or pasture.

Five-year rotation — (1) grain with 10 lbs. clover seed to plow down for fertilizers, (2) corn and roots, (3) grain, (4) clover hay, (5), hay or pasture.

Six-year rotation - Same as five year, but left one year longer in pasture.

and the use of such short rotations remedies without effect. I was alas given above is to increase the most giving it up, when a book was quantity of and place properly the placed on my counter describing

Ceylon Tea Is the finest Tea the world produces, and is sold only in lead packets.

Black, Mixed and Green. 'apan tea drinkers try "Salada" Green tea

Dead vegetable matter exposed to moisture and warmth soon breaks down to a form called humus or This fact has led to a study of the black earth, the factors above menearthy matter serve to waste. Thus, It is impossible to discuss the sub- repeated grain cropping with deep

the meadow or pasture is plowed in | The functions of this common, yet August, the sod being turned to a easily lost, substance are varied and depth of 31 or 4 inches only. Im- important. Being, as anyone can mediately after plowing, if in a dry find out for himself, of the nature of time, the land is rolled, ther har- a sponge, it retains the moisture in rowed with a light harrow. It is a dry time, but will allow all suthen left untouched until grass and perfluous water to rapidly and harmweeds start to grow when it is lessly percolate to the lower soil

The harrowing or cultivating pro- gether, and so otherwise loose sands cess is continued at intervals (as become staple and provide a good the weed seeds germinate) until Oc- root hold for plants. It renders dense, tober, when by means of a (3 plow impermeable soils open and porous, gang) double mould-board plow the permitting the free circulation of surface soil to a depth of about 4 air and water and allowing the inches is put into drills about 22 weak rootlets to penetrate the erstinches apart and 8 to 10 inches while impenetrable space in search high. This is found to be a most of food. In brief, it is the chief resatisfactory preparation of the soil quirement of good physical condition satisfactory preparation of the soil quirement of good physical condition LARS for each and every case of CAfood, since it is really vegetable use of HALL'S CATARRH CURE. matter, and a large percentage of aids also in the conversion of the non-available forms of the elements of fertility into available forms. Further, it retains near the surface the dissolved plant food which must otherwise have sunk into the sub-

The most important sources of humus on the average farm are farmyard manure and crop residues. Upon the proper application or use of these materiais depends the future of Canadian agriculture.

Where the supply of humus is limited its location becomes a very important consideration. Now, most of our crops draw the greatest part of their food from the surface soil, for, while some roots of most plants penetrate to a considerable depth, most roots of all plants are near the surface. Plants of nearly all descriptions thrive best where the surface soil is mellow and rich in humus. The great crops produced by newly-cleared fields and prairie lands exemplify this, as does also the rank growth of plants in our forests, where the sub-soil is never stirred, or where the annuals and smaller perennials must depend for their nourishment upon the surface soil almost exclusively. It would, therefore, seem to be clear that available plant food should be near the surface of our fields and that our surface soil should be in particularly good physical condition of tilth. How to secure these two require-

about the powerful virtue of this ments of rapid, rank and desirable medicine. I do not know anything plant growth must, therefore, be the about what Dodd's Kidney Pills are first consideration of every would-be said to cure but I know a great successful farmer. Experiment and deal about what they will actually long practice seem to prove that do for Lame Back and Kidney shallow cultivation and some rotation, more especially the three-year "They are worth their weight in or the four-year in dry districts, and

Forest covers 36 per cent. of Rushabitant of Russia.

AN UNIMPORTANT EMPLOYE.

"You have been with that firm a long time," said the old school

"Yes," answered the man with the patient expression of countenance. "What's your position?"

"I'm an employe."

"But what's your official title?" "I haven't any official title. It's like this. When the proprietor wants something done he tells the cashier, and the cashier tells the bookkeeper, and the bookkeeper tells the assistant bookkeerer, and the assistant bookkeeper tells the chief clerk, and the chief clerk tells me."

"And what then ?" "Well, I haven't anybody to tell, so I have to go and do it."

London consumes 11 tons of salt

ST. JACOBS OIL For Stiff and Swollen Necks.

Mr. Hooper, 57 Grosvenor street, Belfast, writes :- "Having from a cold got a very stiff and painful The reason for surface cultivation swollen neck, I tried all the usual St. Jacobs Oil. I procured a bottle, and had scarcely rubbed it on my neck when I felt better. In a short time the pain left me and the swelling went down. Finding it so good in this case, I then tried it on my ankle, which I had sprained, and which was frequently very painful. I soon had the pleasure of finding that pain also disappear. I must say I consider St. Jacobs Oil of great value.

> A minister made an interminable call upon a lady of his acquaintance. Her little daughter who was present grew weary of his conversation, and whispered in an audible tone 'Didn't he bring his amen with

Stops the Cough and works off the Cold Laxative Bromo-Quinine Tablets cure a cold in one lay. No Cure, No Pay. Prica 25 cents.

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AN OLD AND WELL-TRIED REMEDY. - Mrs. Winslow's Soothing Syrup has been used for over sixty years by millions of mothers for their children while teething, with perfect success. It soothes the child softens the gums, allays all pain, cures wind colic, and is the best remedy for Diarrhœa. Is pleasant to the taste. Sold by druggists in every part of the word. Twenty-five cents a bottle. Its value is incalculable. Be sure and ask for Mrs. Winstow's Soothing Syrup. and take no other kind.

"I noticed a large crowd gathered in front of your house this morning, Worrit; what was the matter ?" "I was discharging the cook."

Keep Minard's Liniment in the House,

King Chulalonkorn of Siam has 45 other names.

STATE OF OHIO, CITY OF TOLEDO, 3 88 FRANK J. CHENEY makes oath

that he is senior partner of the firm of F. J. CHENEY & CO., doing business in the City of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE HUNDRED DOL-FRANK J. CHENEY.

Sworn to before me and subscribed in A. W. GLEASON, Notary Public.

SEAL

Hall's Catarrh Cure is taken internally, and acts directly on the blood and mucous surfaces of the system. Send for testimonials, free. F. J. CHENEY & CO., Toledo, O. Sold by all Druggists, 75c. Hall's Family Pills are the best.

The feathers of the mirasol, an Argentine bird, are worth \$1,100 per pound-five times the price of the most perfect ostrich plumes.

WABASH RAILROAD

During the months of September and October, will sell one way second class tourist tickets at greatly reduced rates to California, Washington, Oregon, Utah, Montana, British Columbia and other Pacific Coast points. Tickets will be sold via all direct routes. The Wabash is the shortest, best and quickest route from Canada to the above points. Finest equipped passenger trains in America.

Rates, time-tables and all particulars from any ticket agent, or J. A. Richardson, Dist. Passenger Agent, N. E. Corner King & Yonge Sts., Toronto, and St. Thomas, Ont.

WHAT A TOREADOR EARNS.

During the last season a popular toreador in Spain took part in 65 fights and killed 133 bulls. His net profit was \$60,000, and the only injuries he sustained were a bruise on his foot and a rather bad wound in the leg. Sometimes one will be badly gored, but a week or two in hospital will generally set him on his legs again.

Lever's Y-Z (Wise Head) Disinfectant Soap Powder is a boon to any nome. It disinfects and cleans at the same time.

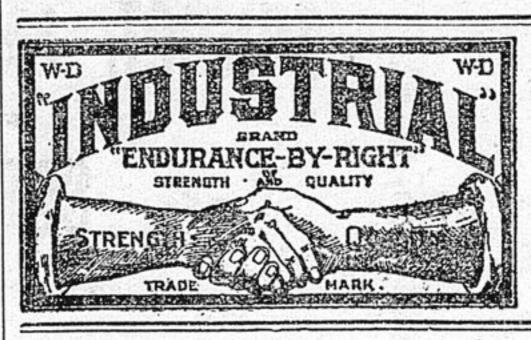
In Hungary the legal age of an individual dates only from baptism.

Minard's Liniment Lumberman's Friend

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Blue Hibbon Tea Co pack. Ceylon Black, Mixed and Freen. All grocers keep them and each is the best of its kind.

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Can handle your APPLES, PEACHES, PEARS, PLUMS, ONIONS, POULTRY (dead or alive) BUTTER, EGGS, HONEY, to good advantage. Let us have your consignments, I will pay you. Stamps and pads on application.



non't Experiment with other and inferior brands,

Lady (visiting asylum)-"And these poor creatures, how came they to be like that ?" Doctor-"Ah, very sad, but they are quite harmless. One was jilted by a lady and lost his reason as a consequence. The other lost his reason through marrying. the same lady."

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The whole British Isles occupy only 1-1600 of the land surface of the

Minard's Liniment is used by Physicians

There are 4.615 dentists in the United Kingdom, or about 1 to every 8 doctors.

MESSRS. C. C. RICHARDS & CO. Gentlemen,-In June '98 I had my hand and wrist bitten and badly this food is in available forms. It my presence, this 6th day of December, mangled by a vicious horse. I suffered greatly for several days and the tooth cuts refused to heal, until your agent gave me a bottle of MINARD'S LINIMENT, which I began using, and the effect was magical. In five hours the pain had ceased, and in two weeks the wounds had completely heaied and my hand and arm were as well as ever. Yours truly,

> A. E. ROY. Carriage maker, St. Antoine, P. Q.

No Danger-"My dear," said young Mrs. M'Flimsey to her husband, "I do wish you would not go about the house in your shirt-sleeves. People' will think your father worked for a living." "They won't when they know his son.'

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