FARMERS' COLUMN



The Value of Hees to Agriculture American Bee Journal

A German society publishes the following highly interesting artististical data reforming to the indirect utility of bees: "It has ever been one of the objects of all agricultural so-cicties to prove the great importance of been to agriculture generally. It appears that the monety named possesses 17,000 hives, from each of which 16,000 bees fly out dai from each of which 10,000 bees fly out daifrom each of which 10,000 bees fly out dat-ly, which represent a total of 170,000,000 of bees. If we suppose that each bee under-takes but four journeys per day, and that this takes place only on 100 days out of the this takes place only on 100 days out of the 365, then we obtain a yearly total of 6,800-600,000 of bee-journeys. It is not too much to suppose that fifty flowers are visited on see high journey, and we are certainly justified in supposing that five out of these fifty are fertilized; then we get a grand total of 256,000,000,000 of fortilized flowers per year. Let the value of fertilizing 5,000 blossoms be but one pfenning (or 500,000 for 22) cents), then the work done by bees of the sreley represents a value of 65,000,000 pfennings, or \$170,000. It results from there calculations a the tauch hype tenefits an tered. Now, S-1 y c. 0. W. calculations thet such hive lenghts as riculture to the amount of \$10 annually, a value | will be constructed in 1880. hitherto totally overlooked." The fertilization of plants by the bees presents a very interesting field for study. But for the offrepeated visits of bees myriads of beautiful flowers would in a short time cease to bloom, aye, and cease to live also! Many plants absolutely require the visits of bees or other absolutely require the visits of bees or other insects to remove their pollen-masses, and thus to fertilize them. Hence Darwin wise-Sweet relief from mortal ills :

ly remarks, when speaking of clover and heartsense: "No bees, no seed; no seed, no increase of the flower. The more visits from the bees, the more seeds from the flowers, the more flowers from the seeds." Darwin mentions the following experiment: "Twenty head of white clover, visited by bees, produced 2,900 seeds, while twenty head so protected that bees could not visit them produced not one seed." Thus Is wisdom displayed by nature on every hand. Nothing is created in valu; each has its proper sphere, and each its appropriate work

Selecting Dairy Cows.

to perform.

National Live Stock Journal. Look first to the great characteristics of a dairy cow-a large stomach, indicated by broad hips, broad and deep loin and sides,a still he feels terribly out of patients. broad or double chine-these indicate a large digestive apparatus, which is the first essen tial requisite to the manufacture of milk. Secondly, a good constitution, depending largely upon the lungs and heart, which they say. should be well developed, and this is easily determined by examinations; but the vigor and tone of the constitution is indicated by the lustre of the hair and brightness of the eyes and horns and the whole make-up. Thirdly, having determined her capacity for digesting surplus food for making milk.look carefully to the receptacle for the milk-the udder-and the veins leading to it. The cow may assimilate a large amount of focel which goes mostly to lay on flesh and fat but if she has a long, broad and deep udder. like a six quart pail, the cow cannot be a profitable milker, whatever digestive apparing, waxy horn; a small, straight, slim log; or any other fancy points; but do not look for these till you have found the essentials.

hanging down in the front of the thighs, reach ourselves. beautifully turned dishing face; a droop-Burtington Barkeye. 17-2

THEN AND THAT. Presbyterians gained 49,000 membe

-The revised New Testament will be of the head?" said a teacher to out during 1889. -There are eighty-iwo Mormon churches one of his class. "I've got 'em in Great Dritain. all in my head," replied the

STOP THAT COUGH. BY USING DR. GREMAN'S COUGH AND CONSUMP TION CURE.

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fh 1879.

enough," growled the old man. -Tommy: "What does it

mean, Sissy, laying up something for a rainy day?" Sissy: "Don't know, Tommy; 'spect it means borrowing a friend's umbrella and never returning it."

JUMBLES.

pupil, "but I can't give 'em"

-Nine thousand miles of new milroad -One thousand stove and machine did not like the operation of moulders are on a strike in New York.

-Mun was created to utilize everything brush made me squawk." -even sorrow. Mothea: "I did not hear any PUZZLE. noise."Charlie: "But I squawked in my thinks."

Try, I pray, West's Liver Pills1 & as sure as morning's light Cometh after shades of night, O'er thy life, health's sun divine Shull arise, in joy to shine; Light and health, and joy and mirth, In sun-beams sporkle round thy hearth; Vital onergy shall start, E'en to muscle, brain and heart ; Rid the Liver of its load. Purify the life, the blond, intercept disease and d ath, Leaving fragrance on thy breath, Lighten life of half its ills, Safe add potent Liver Pills.

-Horse shoes are made of wrought iron and exclaimed: "Oh, mamma, them! don't he?"

-The one man to whom practice is dear or than theory, is the lawyer. -When a doctor's business is at a stand TheVoltaic Belt Co., Marshall, Mich. Will send their celebrated Electro-Voltaic

Belts to the afflicted upon 30 days trial. Speedy cures guaranteed. They mean what they say. Write to them without delay. nov.12-1y. -If men would spend in doing good

in doing harm to themselves, misery would the youngest again yelled, "I vanish from the earth. -What an American girl wants is a "Will" of her own, but a young man with to gran'ma if it ain't." "That

any other name is often just as acceptable. snow bird," calmly remarked -Thousands of soldiers and heirs are en-titled to Pensions, with payment from date of discharge or death, if applied for before January I, 1880. Wound, secidental in-

have seen this season." but if she has a long, bread and deep uider, with large milk yeins, it is safe to conclude that her large capacity for digestion and as-similation are active in filling this recep-tacle. In fact, the udder is the first point to look at in a current examination of a cow,

for Nature is not apt to create in vain. If -If a man has a right to be proud of to a gallant young middy on in it reaches to the back line of the thighs, well anything it is of a good action done as it one of Queen Victoria's ships, up behind, reaches well forward, is broad and moderately deep, with teats well apart, and skin soft and elastief it may be inferred that Nature has provided means for filling it. If the udder be a small round cylinder, it for the it was a cylinder be a small round cylinder be a sma it. If the udder be a small round cylinder, of us begin on our neighbors, and never -relented when she found he was a nobleman as well as a middy, and claimed him for a Workingmen. atus she may have. A yellow skin and a yellow (inside) is almost universally re-garded as present in a cow that gives rich yellow milk; but after you find the indica-tions mentioned above, you may admire as many other point as you please—such as first class escutcheon, a long, slim tail, a first class escutcheon, a long, slim tail, a partner. "Oh, mamma does
not allow me to dance with
squaws!" was the boy's reply,
as he moved away.
—"My children," began
Mr. Collyer, as his family
gathered around the breakfast
table at his residence, "we
should remember, as we sit
here surrounded by plenty,
that one hundred and two
years to-day George Birthington was passing his washday
—I mean George Worthington was passing his washday
—What I want to say is, Warge
Joshington was boshing his
washday." "Hang it!" exclaimed Mr Blifkin, excitedly
"I want you to understand
that the immortal father of
the immortal father of
that the immortal father of
thas starving at Valley
that the immortal father of
thas claided of Springfield,
Mase boliaring at Valley
the should reme father of the immortal in the fath of the sector in the start of the sector in the sector in the start of the sector in the start of the sector in th 17-2 Mr. Collyer, as his family Some watches in a jeweler's window at gathered around the breakfast Westfield, Mass; are marked; "3; warrant- table at his residence, "we ed worthless," This is a retaliation upon a should remember, as we sit as dry goods merchant who is selling chanp watches.



EXCELLENT FOR LADIES AND WEAKLY PERSONS AND THE AGED.

nion purposes

EEE B'S -"Papa, what makes some printers always drink so hard?" said wise little Johnnie the other evening. "I thought they always drank easy

IN

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SPERR'S

P. J. Sherry.

The P. J. SHERRY is a Wine of Superio haracter, and particles of the go den qualitie the grape from which it is made. For Pur r, Hichness, Flaver and Modical Properties, i -A little five-year-old girl of Oil City, who is receiving a kindergarten course in object SPEER'S lesson, was told by her teacher P. J. Brandy, that the camel had four stom-This BRANDY stands unrivated in this ountry, being far superior for medicinal purachs. Examining the block IT IS A PURE distillation from the grap and contains valuable medicinal properties. representions of this beast of the desert a moment, to decide It has a delicate flavor, similar to that of the grapes from which it is disttilled, and is in great favor among first-class families, where he carried them all, the

little one pointed to the hump SOLD BY DRUGGISTS. except when a horse throws one. Then it and there's where he keeps and by A. J. Durling, C. T. Horn, Lehigh is cast.

-Old Nickelpinch's grandson called his attention to a bird the other day. "That,s no bird," began the old man. "Why, yes it is, grandpa," in

see it pick up the crumbs at the door?" "That's no bird," to others a quarter of the money they spend repeated Nickelpinch, when say it is a bird, an' I'll leave it grandpa, "is thefirst one I





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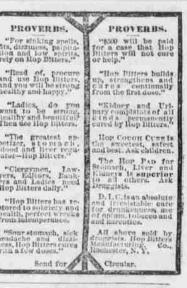
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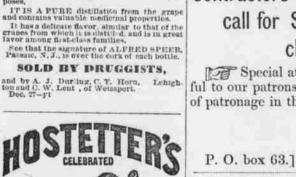
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mid that Parmers' Clubs,market days,cheap President's birthplace, the structure having antramelled transportation, diffusion of been moved many years ago, knowledge and co-eperation are among the must potent means of ridding productive in-

Consensation care productive in during of those parameters new support its intervent of the servering sense the straw coverings from plants that have been protocold during the alternative for the purpose. Weakly and deblitted productive and the sense indicates a generally and used in hospitals for the purpose. Weakly and deblitted for the purpose of the purpose. Weakly and deblitted for the purpose of the purpose of the purpose of the purpose. Weakly and the purpose of the purpose. Weakly a

DON'T GIVE UP.

corn in the ear? We have practiced it for a number of years, believing that the portion which was not masticated, and so passed out of the horses without being digoted, was not equal to the miller's toll. The toll is every tenth, and this with the waste 'and time spunt in going to the mill will make it fully equal to every eighth. Another thing farmers do not think enough about. Sup-pass every tenth is not masticated and as imillated by the horse, it is kept on the

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mannes.

area. If Ae wearid not preside for his family at his factors when it can be done so champly and with-out income ventonce or disadvantage. Majos and Females, from it to us years of age

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