

SCIENCE AND EFFICIENCY APPLIED TO RAISING HOGS YIELD LARGE RETURNS



Blooded Stock and Careful Methods Produce Profitable Results.

(Special to The Journal.) Oregon City, Or., Sept. 20.—Much has been done to give an impetus to hog raising in this state in recent years by Judge Grant B. Dimick, of Oregon City, who has maintained a practical demonstration farm for hogs two miles east of Hubbard, in Marion county, and who has consistently boosted at all times for thoroughbred foundation stock upon the farm, and for scientific specialization in all lines of farming industry.

In fact what Judge Dimick started as a demonstration farm has grown into an industry by itself, and not only affords him an excellent object lesson for his talks on blooded stock, but has turned out to be a paying investment.

Judge Dimick's specialty is raising pure blooded Poland China hogs. Up to his twenty-fifth year Judge Dimick spent considerable of his time upon a farm, and there learned the real economy of the efficiency of blooded stock of every description.

His stock farm consists of a part of the old A. R. Dimick donation land claim, which was first settled by his grandfather in 1847. Aside from an apple and general fruit orchard, there is grown upon the farm alfalfa, corn, wheat, oats, clover, vetch, sugar cane and kafir corn, all of which have their place in the perfecting of blooded stock; there is a creamery or milk-house that is the delight of everyone who sees it, and which has been given the highest score possible by the dairy inspector, and there are barns and brooding pens, all built with an eye to efficiency and comfort. This farm is under the direct management of L. J. Lankins.

Farm Devoted to Raising Hogs.

Hogs are the big feature on the place. The life of a pig family on this farm is a happy, though brief, one. Soon after birth the little pigs and their mother are transferred to rooing pens, at one end of which is a little house just about big enough for the mother and her brood. Around the sides of this house, and about six inches from the floor, is a plank fixed horizontally, jutting out like a shelf for a distance of about four inches. This plank was put there for a purpose, and probably saves an average of two pigs out of each litter, for it prevents the mother from inadvertently lying back against the sides of the house and suffocating with her bulk any piglet that may have crawled into the corner between the house flooring and siding. When pigs sell for \$25 and upwards apiece, it is worth while to see that they are not accidentally suffocated in their infancy.

In this house and pen the pigs spend their first month. At first they live mainly upon their natural milk diet, but as they are weaned they are fed with corn, and some times dry and sometimes mixed with a mash of some oats, and considerable sugar cane and kafir corn. If it happens that they are weaned in the fall, they are turned out

to pasture on the green tips and sprouts of the third alfalfa crop that comes up after the first September rains. All this feed is grown upon the farm, and is a part of the scheme of things. The corn is obtained from a 24-acre field that has yielded between 50 and 60 bushels to the acre from the start, because it was planted with selected seed.

After the first month, or thereabouts, depending upon the climate prevailing and the individual condition of the pigs, they are turned out of the pens into open pasture. The young boars and sows are separated and are given the run of fields and orchards, each set having a patch of variegated ground, at the lower end of which is a brook, where the pig finds what water they need, and where they also find bathing facilities—for the pig is naturally a clean creature. At intervals the animals are corralled and given a rub-down with crude oil, to kill any vermin that they may have acquired. While running in the open this way the pigs feed upon rape, clover and such fruit as may have fallen from the trees in the orchards.

Demand For Brood Stock.

When a pig is nine months old it ceases to be a pig, and becomes a hog. It is then a marketable animal, and its price depends largely upon its purity of breed, its condition and its weight. During the last month of pigdom, when the young hog is beginning to fatten, it is really going to amount to something, it is turned into one of the clover fields—and there gets the advantage of all the feed that is good for it.

The greater part of the Dimick hogs are sold for brood stock, and are bought largely by Idaho and Washington and Oregon ranchers. At the age of nine months this pedigreed stock sells from \$35 to \$10 each, though much higher figures have been obtained. Nearly all of the hogs sold are Poland Chinas, though there are some Berkshire hogs.

As an example of the profit there is in a good blooded hog, Judge Dimick has a file of records and figures from officer, generally without knowledge of administrative and technical matters. Civilian operators do not meet the requirements of the war.

Use of Aircraft in War. While not very much has as yet been accomplished in the way of dropping bombs on warships, this can be done with the aid of practical range finders and devices to discharge the bombs.

At the same time the use of aces in war is more important in locating the enemy. In sending wireless reports of his numbers and movements and the character of the country to the commanding officer. In these respects the aeroplane is invaluable. Speed is requisite in order that they may be able to escape the aircraft of the enemy.

From official reports some data have been collected to show what use has been made of aeroplanes in recent military operations, and the value they have been to the armies employing them.

On October 27, the first Bulgarian aeroplane flew over Adrianople. St. Petroff in a Blériot—and for almost an hour he circled over the besieged city and then returned safely to headquarters. During his entire flight the Turks fired at him with rifles.

The machine of another aviator who always flew below 1000 meters was not hit at all.

Only one aviator was hit by a hostile shot although four lost their lives.

The Greek army at the outbreak of the war has 10 aces ordered; pilots for only five. In spite of very bad weather any very poor ground in Macedonia and Epirus, the aces did good work. The first record flight was made by St. Kamboros who flew from Larissa to Cosani and brought back very valuable information regarding the position of the enemy.

Aero Force Neglected. On the Tschat Alschal line, where the aeroplanes should have accomplished wonderful things and have been able to give intelligence concerning the hostile position, the aeroplanes were used very little. As no explanations were understood why they were not used more.

The Bulgarian pilots were ordered out on only one trifling expedition, possibly on account of their lack of training.

Top—Hog houses and barns on Dimick stock farm near Hubbard, Marion county. Bottom—"Pigs in clover" on the Dimick farm.

his stock farm. An average sow, when carefully checked, netted the farm \$416 in one year, and two of her last litter remained on hand. The average litter is from seven to eleven pigs. Only the perfect young are allowed to live; the average litter that is developed is from six to nine. It costs, including labor, cleared land, seed, feed and pasture, about five dollars to raise each pig to the nine months' stage—and then they sell from \$25 upward.

About two thirds of the pigs raised are kept for breeding purposes. These animals are selected for their form, and are all of them potential prize-winners. The Poland Chinas are of the medium type, and when thoroughly developed will tip the scales anywhere between 200 and 300 pounds. The Berkshire is a longer animal. Judge Dimick usually keeps on hand about 25 of the Poland Chinas, and five of the Berkshires. About 200 animals are kept running on the place between the "round-ups" and sales.

The foundation stock used is of the best. Reliable pedigreed brood sows are imported from Iowa, Illinois and Missouri, and some from the famous Sannuel Taylor herd, at Belmont, Washington. Careful records are kept of each animal and the earnings for the farm, and in this way a standard has been set and maintained. To facilitate the handling of the stock many of the broodhouses are constructed upon runners, so that they can be dragged from place to place as conditions warrant. The partition fences that separate the droves are also built so that they may be moved as necessity demands.

Speaking of his "mortgage raisers," Judge Dimick says: "Any farmer can do what Mr. Lankins is doing for me out there. Pure stock and intelligence in its care, is the foundation of success. The stock must be kept up, however. It makes no difference what one is raising, or for what purpose. The maximum efficiency can only be obtained from pure strain stock."

Must Wed or Lose Fortune. Boston, Mass., Sept. 20.—Myron W. Townsend, a former Boston newspaperman and now advertising manager for a Detroit mercantile house, must marry by October 15 or lose a fortune recently bequeathed to him by his uncle, Miles Townsend, who died July 15 at Marshall, Mich. So Townsend has come to Boston to find a wife.

Townsend came east to look in particular for a sweetheart of boyhood days who lives in Providence and whom he has not seen for 10 years. They are both about 35 years of age. She formerly lived in Rochester, N. Y.

Townsend says he thinks two days will be enough to do the business at hand.

Bridge Rebuilt in 12 Days. New York, Sept. 20.—An engineering feat never surpassed in railroad engineering in this country was performed recently when the great railroad trestle bridge, more than a mile long, which spans Newark Bay, between Newark and Greenville, N. J., and which was burned on the night of June 14, was rebuilt in 12 days. The bridge was 5533 feet long, with a draw of 264 feet, and formed the chief connecting link of the Pennsylvania and the Lehigh freight system between the west and New England, through New York City. Fifteen hundred men worked night and day to complete the work.

New Animals for Park Zoo. Washington, Aug. 13. Twenty-one new animals are now on the way to the National Zoological park, in Washington, from Giza, Egypt, where they were purchased by W. H. Blackbourne, from Captain Stanley Flower, director of the government zoological park.

The shipment includes three Arabian camels, two elephants of the form that occurs in the Sudan region, three Hamadryas baboons, two cheetahs, three leopards, three Circassian goats and three Arabian one. Korin and one Dorcas gazelle. Nearly all are representatives of species not before included in the Washington zoo, and the cheetahs will be the only animals of this sort in the park.

Graves Music Co.'s Removal Sale Clearance

OF SHEET MUSIC, MUSIC BOOKS AND MUSICAL INSTRUMENTS BEGINS TOMORROW IN ALL SERIOUSNESS

METRONOMES \$1.00, without bell.....\$2.75 \$5.00, with bell.....\$3.50

Everything must go before removal to 144-151 Fourth St. The sale of the large Player Pianos, Pianos and Organs, etc., has been in progress for some time—all other musical goods—a fact the sale of the entire stock of the Graves Music Co. is now on.

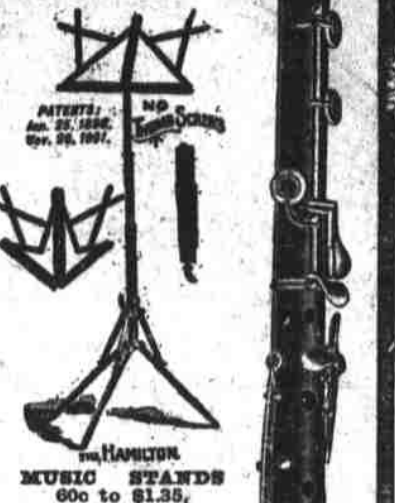
SECRET MUSIC 50c De Luxe Edition.....5c 6 copies, De Luxe.....\$2.50 Popular Music, each.....15c 1 free copy with each one purchased.

SCHOOL AND SUNDAY SCHOOL 35c Soul Songs, Perkins.....10c 25c Bright Light, Straub.....10c 75c School Songs, Bailey.....10c

SONG FOLIOS 50c Song Folios.....5c 75c Song Folios.....10c \$1.00 Song Folios.....15c Etc., etc. All Kinds.

YOUR CHOICE OF MUSIC FOLIOS

75c Keratol.....49c \$1.50 Leather Bag.....95c \$2.50 Burned Leather at.....\$1.25 \$3.50 Leather, Folio size.....\$3.55



MUSIC STANDS 60c to \$1.25, postpaid.

DRUMS \$12 Ten Thumb screw rods.....\$9.50

THIS SPLENDID CORNET

You Can Now Afford to Buy That \$150 VIOLIN



\$12.50, at.....\$5.75 Leather case to fit.....\$2.80

BAND INSTRUMENTS \$18.50 Upright Alto.....\$11.50 \$35.00 Melophones.....\$23.25 \$35.00 Baritone.....\$24.50 \$25.00 Slide Trombone.....\$17.75 \$25.00 Valve Trombone.....\$17.75 \$70.00 Euphonium or Tubas.....\$56.75 \$75.00 Saxophones.....\$45.50

GUITAR CASES \$1.50 canvas, leather bound at.....\$1.20 \$12 Eng. saddle leather.....\$8.50 Catalogues of Washburn, Mayflower and Martin Mandolins and Guitars mailed on request.

\$1 Will secure any of these instruments, balance cash or on monthly payments.

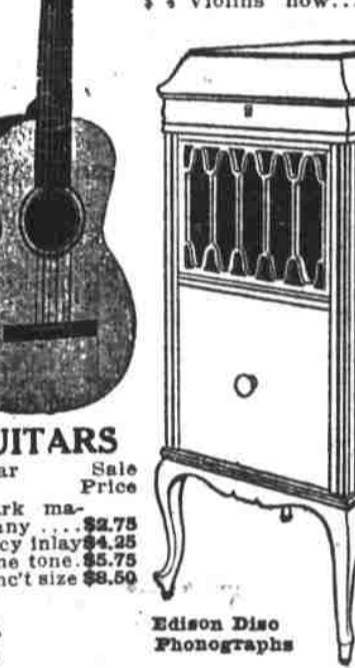
AUTO HARPS Regular Price \$20 strings, 3 bars.....\$2.75 \$23 strings, 5 bars.....\$4.25 \$22 strings, 3 bars.....\$6.50

GUITARS Regular Price \$45 dark mahogany.....\$27.75 \$3 fancy mahogany.....\$25 \$10 tone.....\$5.75 \$12 con't size.....\$8.50

CLARINETS Genuine Martin 13 keys.....\$13.75 15 keys.....\$17.75

FOR \$87 CASH

which you desired for perhaps many years, or we will sell it for \$11 cash and \$6 monthly. \$50 Violins now.....\$24.75 \$20 Violins now.....\$10.50 \$15 Violins now.....\$7.50 \$4 Violins now.....\$1.95



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\$1.50 Violin Bows.....95c \$1.50 Violin Cases.....\$1.15 35c Violin Chin Rests 35c 75c Violin Chin Rests 50c 15c Violin Strings, three for.....25c 35c Violin Strings, four for.....\$1.00 \$10 Ukuleles.....\$8.00

This Fine Mandolin

\$10, 12 ribs, pearl inlay, at.....\$4.75 \$20 Rex, full deep toned, at.....\$14.50 \$15 12-rib, 67-75 in. at.....\$7.50 \$15.00 Mandolin in cases.....\$1.05

BANJOS

Regular Price \$8, 10 1/2 or 11-inch, at.....\$5.50 \$15 "The Amateur",.....\$11.75 \$20 Universal Favorite, at.....\$16.50 \$40 "Special Thoroughbred",.....\$31.75 An "Extra Special",.....\$5.75 Banjo cases, Leather bound, now.....\$1.20 Bell Brand Banjo Strings, per set......30c

FLUTES MEYER SYSTEM

Thirteen keys.....\$9.50 Eight keys.....\$5.75 \$4.50 Ebony.....\$3.25 \$7.50 Ivory.....\$5.75

THE LAST WORD!

GRAVES MUSIC CO.—REMOVAL SALE—PIANO VALUES

Proof of Our Leadership in Fine Player Pianos and Pianos

Compare—look the city over—you can arrive at but one conclusion—that the Graves Music Co. has no competitors because of its Quality, Reduced Prices and Easy Terms of payment—it is the one and only place to buy a Piano or Player Piano now— It makes no difference how new the style—how costly the quality—how fine the tone—how easy and elastic the action—how celebrated the maker or how high the original or "usual" price—go they must—all reduced in Price—all in this Removal Sale—no room here—new building not yet ready—this is therefore a forced sale—new and used alike reduced, viz:

\$425 usual price, Vose & Sons, upright grand, in walnut, sale price now \$315—leaves a saving of \$110 to you—on a cash payment of \$15 and \$7 monthly until fully paid.

\$750 usual price, Weber, player piano in mahogany, sale price now \$585—leaves a saving of \$165 to you—on a cash payment of \$25 and \$12 monthly until fully paid.

\$250 usual price, Hardman, piano in mahogany, sale price now \$160—leaves a saving of \$90 to you—on a cash payment of \$15 and \$1 weekly until fully paid.

\$425 usual price, Strohner in magnificent rich mahogany, sale price now \$265—leaves a saving to you of \$160—on a cash payment of \$15 and \$1.50 weekly until fully paid.

\$650 usual price, Kranich & Bach, large mahogany upright grand, with tone of a baby grand, sale price \$465—leaves a saving of \$185 to you—on a cash payment of \$10 and \$3 monthly until fully paid.

\$650 usual price, Chickering Bros. art style, splendid walnut, sale price now \$455—leaves a saving of \$195 to you—on a cash payment of \$10 and \$12 monthly until fully paid.

\$450 usual price, Strohner, in finest English oak sale price now \$295—leaves a saving of \$155 to you—on a cash payment of \$10 and \$8 monthly until fully paid.

\$350 usual price, Heinzl, in fancy Circassian walnut, sale price now \$195—leaves a saving of \$155 to you—on a cash payment of \$10 and \$6 monthly until fully paid.

\$425 usual price, Ludwig Chippendale, turned oak model, sale price now \$260—leaves a saving of \$165 to you—on a cash payment of \$15 and \$8 monthly until fully paid.

\$475 usual price, Hardman, "Empire model" in fancy mahogany, sale price now \$260—leaves a saving of \$215 to you—on a cash payment of \$15 and \$8 monthly until fully paid.

\$450 usual price, Kimball, in art finish mahogany, sale price now \$245—leaves a saving of \$205 to you—on a cash payment of \$10 and \$7 monthly until fully paid.

\$375 usual price, Bradford, upright grand, in fancy walnut, sale price now \$215—leaves a saving of \$160 to you—on a cash payment of \$10 and \$12.25 weekly until fully paid.

\$950 usual price, Kranich & Bach, miniature grand, sale price now \$595—leaves a saving of \$355 to you—on a cash payment of \$50 and \$15 monthly until fully paid.

\$525 usual price, Lester, Chippendale model, in mahogany, sale price now \$315—leaves a saving of \$210 to you—on a cash payment of \$25 and \$10 monthly until fully paid.

\$750 usual price, Armstrong, 88-note, in splendid mahogany, sale price now \$465—leaves a saving to you of \$285—leaves a saving of \$285 to you—on a cash payment of \$50 and \$15 monthly until fully paid.

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\$950 usual price, Krell, auto grand, player piano, in mahogany, sale price now \$565—leaves a saving of \$385 to you—on a cash payment of \$50 and \$15 monthly until fully paid.

\$1000 usual price, Kranich & Bach, player piano, the wonder of the age in fine mahogany—sale price now \$795—leaves a saving to you of \$205—on a cash payment of \$100 and \$20 monthly until fully paid.

\$900 usual price, Kranich & Bach, miniature grand, Sheraton model, in splendid San Domingo mahogany, sale price now \$630—leaves a saving of \$270 to you—on a cash payment of \$50 and \$20 monthly until fully paid.

\$375 usual price, Brewster, in plain mahogany, sale price now \$235—leaves a saving to you of \$140—on a cash payment of \$15 and \$7 monthly until fully paid.

\$250 usual price, Zeck & Co., in rosewood, old model, sale price now \$165—leaves a saving of \$85 to you—on a cash payment of \$10 and \$1 weekly until fully paid.

\$650 usual price, Steger, large, handsome, art upright, sale price now \$385—leaves a saving to you of \$265—on a cash payment of \$25 and \$2 weekly until fully paid.

\$400 usual price, Kranich & Bach, in plain ebony case, sale price now \$195—leaves a saving of \$205 to you—on a cash payment of \$15 and \$8 monthly until fully paid.

\$350 usual price, Gaylord, in oak, Sheraton model, sale price now \$195—leaves a saving to you of \$140—on a cash payment of \$10 and \$6 monthly until fully paid.

\$500 usual price, Burmeister, in mission, art finish, sale price now \$165—leaves a saving of \$335 to you—on a cash payment of \$15 and \$1 weekly until fully paid.

\$250 usual price, Rus. & Lane, cabinet grand, in fancy walnut, sale price now \$195—leaves a saving of \$55 to you—on a cash payment of \$10 and \$1.25 weekly until fully paid.

\$1000 usual price, Hamilton, art mahogany finish, sale price now \$165—leaves a saving of \$835 to you—on a cash payment of \$10 and \$1.25 weekly until fully paid.

\$400 usual price, Webster, pure cabinet style, in fancy walnut, sale price now \$245—leaves a saving of \$155 to you—on a cash payment of \$15 and \$7 monthly until fully paid.

\$300 usual price, Barmore, small, dark mahogany, sale price now \$135—leaves a saving of \$165 to you—on a cash payment of \$10 and \$1.25 weekly until fully paid.

\$225 usual price, Martin Bros. cabinet grand, mahogany, sale price now \$190—leaves a saving of \$35 to you—on a cash payment of \$10 and \$1.25 weekly until fully paid.

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ARMY TO DEVELOP AERIAL CORPS WITH CONGRESS' PERMISSION

Recent Demonstrations of Air Craft in War Prove Plan to Be Practicable.

(Washington Bureau of The Journal.) Washington, Sept. 20.—The outfit of a Moisant aeroplane from New York to a village in the environs from Washington, outspeeding an express train, and breaking a record for a sustained cross-country flight, has created interest in aeroplane, and points the fact that while America gave the world the key to the conquest of the air it has since then allowed most of the other nations of the earth to outstrip it in actual progress in aviation.

Our army has a very small but efficient aerial corps, and the war department will ask congress, at the next regular session in December, to authorize the extension of this branch of the service. Great development in aeroplane work is looked for, especially in connection with war. Our army hopes to have more aces and more men to handle them and it also is desirous of securing at least two dreadnoughts of the air, or dirigibles of the type used by Germany. For these, of course, a special type of hangar is required, and also means of generating gas to inflate them.

The science of the air requires the best efforts of the most highly trained men in aerial engineering, strength of materials, construction, composition and testing of engines, uses of radio telegraphy, knowledge of reconnaissance, meteorology and photography; in short, trained and experienced men in or beyond middle life are required in the development of aeronautics of the future, and in connection with the use of the dirigible the highest degree of engineering science and expert knowledge of certain phases of chemistry.

On the other hand, the pilot of the aeroplane is the man behind the gun, the fighting man of the machine, must be a young venturesome

The Highest Grade Player-Piano in the World Built Completely in One Factory



THE MOST HUMAN OF ALL

"Because the player action attends to the technique in its entirety, but gives over the control of personal musical expression in every detail into the hands of the performer." The vast majority of "player piano" are combinations of a piano, made by one manufacturer and a player action made by some other entirely different manufacturer. Not originated expressly for the particular piano in which it is ultimately installed, the ready-made "player" mechanism must be adjusted to the piano and the piano to the player. Each inevitably loses individuality in making these mutual concessions. The Kranich & Bach player piano, on the contrary, is made completely in every part by one concern; the entirely new and original player piano action being created solely for Kranich & Bach pianos, which, therefore, are not altered in the slightest degree, as pianos, when equipped with this wonderful invention. Every feature of musical expression is personally controlled, and secured by the performer himself in playing the Kranich & Bach player piano. There are no automatic or self-acting devices for that element which is the most personal part of music. Only the purely technical part, the sounding of the right note or notes at the right moment is automatic. The Kranich & Bach player piano, then, is one of the world's leading pianos combined with an improved and exclusive "player" mechanism which enables any one to play all music. And, when the personal device for "musical expression" are properly used they enable any one to secure every conceivable effect possible to the hand-playing virtuoso. Complete and comprehensive as these devices are, however, they are yet entirely simple and easy to use.

We will take your old piano as first payment, allowing its present market value, balance cash or \$1 or \$2 weekly. You can afford to pay \$6 monthly for a Piano and \$10 monthly for a Player Piano. You can, therefore, afford to buy now.

Order—Town Buyers—it is safe and satisfactory to buy one of these pianos by mail. Write us, and we will send you full description, or, if you like, ship the piano subject to your approval. We pay freight to any point in Oregon, Washington or Idaho. Buy now and have it shipped when ready. Make your selection now and pay \$1 down, if you do not want to pay the full payment, and then, before delivery, you pay the balance in cash or \$5 or \$6, or whatever agreement you make for the first payment, and the balance \$1 monthly, etc., until the piano is paid for in full.

Every Piano or Player Piano purchased carries with it the Graves Music Co. guarantee of satisfaction, as also the usual guarantee from each manufacturer of these new musical instruments, besides, we will take it in exchange within one year, allowing full amount paid—if desired.

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