DATRY.

A STUDY OF SHEESSETTING.

PV PROP L B ARNOLD

same temperature, in an atmosphere c in a ike and both prome dica city, the same man his of latter. If the ringing of cream and the development of butter flavor depended on souring alone, these two sazáples et butter should have been ! alike, since the milk and cream were some nike in both simpler; but they were not alke. They were very diff rent, and the charming was different. The cream tram the wilk set in exygen pas charped in the. that of the time in and for charming the cream of the milt from which exigen was excluded by enveloping it in carbonic neld grs.

The butter from the fam r was very high flavored in didelicious, and remarkable for its long keeping. The butter from the latter was let flavored and equally re markable for being short lived. The milkfats in the latter case appeared to have acquired no new flavor from the fact of souring but to have retained unchanged the new-milk flavor they had when the milk was first set. This experiment, repeated ill the results were demonstrated to be uniform, is interesting as showing the tallacy of the current epition that scuring is the patent agent in injening cream, either fir the purpose of heightening the flavor of butter or to give it hing keeping, or to make churcing easy, for it proves positively that semishing the than souring is accessing to these ends, and that that something is free exygen. Arring, not souring, is the ellipicat agent for off ching these purposes, but even if well aired, the effect will be but feel le if the temperature is kept too 1 w.

These statements are demonstrated facts. and they explain why submerring unlk in ice-water, or in any water, while it affords the best of protection from deleterious influences without, fails in promoting the highest possible attaurment of good in the resulting butter. They explain why cream, in being separated by a centrifugal machine, while freeh from the cow and sweet and warm, will develop no re flavor in a minute, by the powerful sing it gets from currents made by the leghtning spend with which it totates, than can be developed in a day under ice water with an effectual exclusion from air, the developing agent. It is true, cream may be quickly raised by refrigeration, and warmed and sipened afterwards, but not with the best effects. Cream which is growing old without grow-Cream which is growing old without growing butter is deteriorating; and since it has been shown that mation is essential to a proper ripening, it must be evident that it cannot be as effectually aired after it is collected into a mass, as it can be when it is spread out on the surface of the milk at ju t the right temperature.

The facts above stated are not offered with any thought of settling the question whether acidity plays any part in repering

ing is increased or diminished or not at all affected by the fact of souring, but they do demonstrate that souring alone does not develop any new or improved flavor in the It is greened at her I regarded that the harter fits, and they prove that airing is reperture of create o not t in the saming of also but he we isle. Neither are they init. There is a horse positivity that the tended to decide whether open setting, subsouring may have on thing to do with the merging, the centrifugal or some other results, but the riper nee does not depend mode of separating cream is the most on setting lener. Were I set a some le of prefitable for general adoption. They are milk for ferry-fore hours at \$2.5 through if red for the purpose of explaining the depression atmosphere of pure oxiger, ground for remarks in a previous number and another qual cample from the same about " Ice in the Dairy," to which excepmess of unit for the same and at the tions are taken, and with the hope of giving some useful hints to amateur buttertailing 10 (A) (1, both wred (Nacl'y makers by way of pointing them to the most efficient cause of superior influence.

Advice to Mathers

Advice to Methara,
Are you disturbed at night and broken of your, eachly a sick child suffering and crying with prin of cutting teeth? If so, send at once and cut a butle of Mrs. Winnlow's Boothing Brrup for children feething. Its value is meakenable. It will relieve the pror little sufferer immediately. Depend upon it, inothers, there is no mistake the sufferer in the store of the sowies cutter the storest dysenbery and distributed colle, suffere the sum and bowder cutter wind colle, suffered to guns, reduces inflammation, the great me and energy to the whole system. Its winslow's Boothing Byrup for children iccluding indemant to the tack, and is the prescribil in of one of the oldest and host families misses and physicians in the United States, and is the prescribed of the prediction of one of the oldest and host families are the children in the United States, and is the prescribed of the prediction of the oldest and host families are for a lie by all drunglats throughout the world.

Rest and Comfort to the Saffi

Rest and Comfort to the Baffering.

"Brown's Household Paneoes"has no equal for relieving pain, both inharmal and external. It cures pain in the side, back or howels, sore theory, rheumatian, toothasels, lumbage and any kind of a pain or sole. "It will most savely quicken the blood and heal, as its acting power is wonderful." "Brown's Household Paneoes," being technologied as the great Pain Believer, curi of double the strength of any other chine or limited in the world, should be in every family hindy for use when wanted, "as it really in the best roughly in the world for eramps in the stomach, and paneous debas of all kinds," and is it walls and druggies as 25 cents a bettle.

Well Ross

Well Reverded.

A liberal reward will be paid to any party who will produce a case of Liver, kidney or Stomach compleint that Electric Bitters will not speedily ours. Bring them along, it will east you nothing for the medicine if it falls to ours, and you will be well rewarded for your trouble besides. All blood, diseases, billeumen, jaundice, constipation, and general debility are quickly cured. Satisfaction guaranteed or money refunded. Price only fifty cents per bottle. For sale by all druggists.

Caution to Bairymen.

As's for Wells, Richardson & Cola, Improved Butter Color, and take ao other. Beware of all imitations, and of all oil colneware or an initiations, and of all oil col-ers, for every other one is liable to become and it and spoil the butter into which it is put. If you cannot get it write to us at limitegion, Vi., to know where and how my get it without extra expense. Thous-mats of tests have been made, and they al-ways prove it the best.

Would You Hollove It.

Nature's great remedy, Kidney-Wort, secured many obstinate cases of piles.

American women are said to be the most American women are said to be the most elever, active, and energetic to be found; and well they need to be, considering the enormous demands mane upon them by mudern schools, housekeeping and society. Mrs. Lydia E. Piakham, in preparing her celebrated Vegetable Compound, had in mind all those countless demands on a woman's strength, and her well known remady proves every day its perfect adaption to woman's special needs.

whether acidity plays any part in repeating Give Holloway's Corn Cure a trial. It removed ten corns from one pair of fact without any pain.

Advertising Chests 111

"It has become so common to begin an article, in an elegant, interesting style
Then run it into some advertisement
that we avoid all such.

'And simply call attention to the merits of Hop litters in as plain, honest terms as

"To induce people

"To give them one trial, which so proves their value that they will never use anything che."
"THE REMEDY o favorably noticed in all the

papers.
Religious and secular, is
"Having a large sele, and is supplenting all

"Having a large side, and is supplicating all other medicines.
"There is no denying the virtues of the Hopplant, and the proprietors of Hop Enters have shown great shown the shown as about the wife shown as the street of the shown of the s

DM She Die?

"No!
"She lingered and suffered along, pining away all the time for years,"
"The doctors doing her no good:"
"And at last was cured by this Hop Bitters the papers say so much about."
"ladeed! Indeed!"
"How thankful we should be for that medicine."

A l'aughter's Misery.

Eleven years our daughter suffered on a

bed of misery.
"From a complication of kidney, liver, rheumatic trouble and Nervous debility,
"Under the care of the best physicians,
"Who gave her ulsease various names,
"But no relief,

And now she is restored to us in good health by as simple a remedy as Hop Bit-ters, that we had ahunned for years before using it."—THE PARENTS.

Father is Gesting Well.

"My daughters say:

"My daughters say:
"How much better father is since he
used Hop Bitters."
"He is getting well after his long suffering from a disease declared incurable."
"And we are so glad that he used your
Bitters."—A'Lany of Utics, N. Y.

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TURST CLASS DELAWARE FARM for sale I is salien from town of Farmington, on Delaware R. E., 27 sores, high state of entitivation, 75 bushels over, 25 bushels wheat per acre, 28 series in timothy and clover, 48 acres in grain, 76 peach trees, appier pears, cherries and crayes, two sterry dwelling, modern falsh, establings, three tenant hower; healthy less the salid a harpsir, less than cost of buildings, Address ANOS COLE, Harrington, Delaware.

CALESEET for Australia.—About 28 free-rate went to mil on Aug. boat; guaranteed salary and commission; also 7 for Out. Apply immediately. "Field Dept.," Bradley, Garretson & Co., Brantford, Out.

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BRAHMAS. DARK

laying brod this megal and beautiful var-lety, exclusively, for six years, I am now in a pection to effer eggs from birds of great morit.

My breeding bens for this year are composed as follows:--

TABLI No. 1.—Cockerel of tem pounds weight, seriest pee comb, solid black breast, and most cocklent leg feathering, meted with four ground seen, which hast season as pullets produced

pgs, \$2.00 per systing of 13.

YARD No. —Cock from the yards of the justly celebrated broader. Philander Williams, of Taunton, Mass gl. et.; perfectly straignt pea semb, low and heavily built, with good log feathering; mated with four superb pullets, three of which have swon red tickets, the ofter have all are low, heavily built birds, with a prefusion of leg feathering and finely penelled.

Eggs, \$2.00 per 13. My shock took first prizes at all the leading shows lest Fall, and at the abow of the Poultry Association of Ontario, at Toronto this year, and is no tastance has a bird from my yards ontered the show pen without winning a prize. Lest year 56 per cent, of the eggs from my brids batched, and 35 per cent of these won prizes.

Equare dealing in the future as on the past CBI KS FOR SALE IN SEPTEMBER.



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4 Queen Street East, Toronto.

Rervous debility, rhoumatism, neuralgis, lum-age, lame book, liver, kidney and lung diseases, and all distance of the nerves and want of circu-tion, are imbacdiately relieved and perman-sky ourselby using these appliances. Circulars all consultation free.

OTTAWA, Supt 2, 1863.

Norman, Req: Dear Sir.—I have experi-ed considerable becefit from your Appli-es. I feel stronger and hetter every day. Yours truly, B. R. Halmurron, Pervensonovan, Oct. 15, 1883.

Pertunomouser, Cot. 18, 1883.

A. Monnur, Esq: Dear Sir,—Soon after I commoned to use your Electric Lipitaness they opened my howels, cured my count and coid, refleved my head, and coins trably releved my cetarris in consequence. The discharges from my freed and cheef are new easy, and I feel altegrater better. My digestion has tempreved, my stemech is been near and windy, and I am less treathed with lancificate and windy, and I am less treathed with lancificate and windy dear. I am less treathed with easy treat all the advertised pattern in the direction pattern mediciner without deriving any gord.

Yours truly, J. G.

