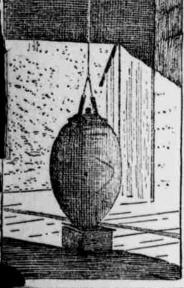
Bleath Valley and Its Borax Mines.

Death Valley is probably the most nique natural feature in California. It is located in the southeast corner of incyo County, and is inclosed by the Panamint Mountains on the west and the Funeral Range on the east. It is seventy-five miles long, and at its nar-rowest point but eight miles wide.

At one time, most probably, it was he bed of an ancient river. The lowest depression is 200 feet below sealevel, but above this rises Telescope Peak, 11,000 feet high, of the Pananint Range, and dir setely opposite the Funeral Peak, which reaches an altiale of \$000 feet. During the winter hese peaks are covered with snow.

This remarkable valley was discov red in 1850 by a party of immigrants, nany of whom lost their lives in the ttempt to cross it. The name has lung to it, also, as being the scene of umberless tragedies. Early in its story traditions of gold and silver sits of wonderful richness within ts boundaries persuaded many advenpersons to undertake the hazrdous experiment of its exploration. The number who have lost their lives a this desolate field is undoubtedly reat. Pursuing the mirage of rich desits of precious metals these advencous prospectors succumbed at last the intolerable heat and the agonies thirst.

he range of the therm-10 H 18 bably greater in Death Valley than where in the Western H misphere, winter the temperature is may bezero, while in July a TUS thermometer ranges for $-R \le H$ degrees above, frequently rising eral degrees higher. For weeks at ime the lowest level temperature obrved exceeded 100 degrees. The adly heat burns every vestige of egetation. The Spanish bayonet, a



COOLER USED IN DEATH VALLEY

lant that flourishes under the most arid conditions, here barely survives, while the mesquite, with its long roots penetrating deep into the earth in menrch of scanty moisture, just man-

ages to exist. A party of enterprising agricultursts once experimented with growing truit and vegetables in this region, an-ticipating large profits in the early marketing of their crops. The attempt was a complete failure, the intence heat withering the plants, notwithdust. At all times the aspect of the valley is superlatively desolate. No spot on earth surpasses it in aridity or tophet-like heat. During the heated term an hour

without water means death. Meat becomes putrid in an hour. Eggs are cooked in the blistering sand. Water is only palatable by means of large po-

reduced in temperature by means of

the rapid evaporation of the moisture

The belief that the borax marshes

are the remains of the vast lake which

once filled the valley is supported by

traces of water-line found 600 feet

In general appearance all borax

marshes are allke. They are located

SPANISH DAVONET PLANT, DEATH VALLEY

at the point of greatest depression and

from a distance look like deposits of

salt or snow. Under the surface is

common wet clay or water of varying

depths. These deposits are generally

circular in form and appear as though

once they were craters. Borax was

created by contact of boracic acid in

of the surface. At Teels Marsh, Ne-

vada, borate of lime appears in the

form of balls imbedded in clay along

with soda, salt, etc., but at Columbus

these are found in sandy soil. Some-

times these balls are decomposed, un-

derlying the soil which is removed.

and the borate shoveled out. Deposits

of crude borate of soda are found in

Nevada and in Death Valley, at the

Monte Blanco mines. These mines are

1200

above, on the mountain sides.

from the outside.

pletely divorced. The carbonic neid unites with the lime, which yields boracle acid, the latter with a small portion of soda and the result is borax in solution. The liquor is then drawn off

into tanks, where the borax in crystallizing attaches itself to small steel rods and books altogether like great sticks of rock candy. The sediment rous earthenware jars, common to all contained in the mixing tanks is com-

considerable borax mixed. The de-

posit is passed through a filter press,

which presses the dirt and allows the

borax liquor to pass away to be util-

ized again. Repeated over and over

A Very Successful Venture.

rewarded by a letter from the conch-

man saying that the hearse, as run

by her horses was the greatest suc-

cess; "people are just dying to get into it," he added.-New York Sun.

Father's Horrible Discovery.

son, an eight-year-old companion, from

drowning in the Floyd River at Sloux

City, Iowa, George Lewis, aged thir-

teen, was also dragged down and died

with his friend. Denison was bathing

in the stream, and was supposedly

At first it was not known who the lads

were, and the father of Lewis offered to dive for the bodies. He first brought

up Denison, and on diving a second

ime rose with his own son in his arms.

He was nearly crazed with grief when he recognized his child.-Cincinnati

Where the Y. F. S. C. E. Will Meet.

The Young People's Society of Chris-

tian Endeavor opens soon a world's

session in London, and will hold its

convention in the Alexandra Palace,

which resembles the Madison Square

The palace is just beyond the out-

skirts of London proper and has a ca-

pacity for lodging and boarding 5000

Garden, New York City.

While trying to save George Dent-

MOUNTAINS ENCLOSING DEATH VALLEY.

hot countries, suspended in drafts and posed largely of sand and dirt with

gaseous form, with the lime and soda of the surface. At Teels Marsh, Ne-in after him when he called for help,

Enquirer.

FARM TOPICS

Good Poultry Food. One of the best poultry foods for inducing egg production is cow peas. They may be fed whole to adult stock

or cracked for chicks. They are highly nitrogenous and are superior to cora or wheat. Another excellent poultry food is rape, which may be grown on all kinds of soil

To Cure Collar Galls.

At night rub nir-slacked lime on the sore. The next morning apply grease or sweet oil. For hardening horses shoulders, nothing equals a strong ten made by steeping white oak bark, he-ing careful to peal the bark down to the wood. Apply frequently, say twice a day.

Plan For a Henhouse.

In a henhouse twenty-four feet by twelve feet, the height of the posts should be nine feet on the front, sloping back five feet in the rear. Matched boards fourteen feet long can be used on these posts, each board making a siding for both front and rear. With care in cutting these boards may be used for the sides of buildings, and the fourteen-feet boards will lap over a little if used as roofing. It is better to lath and plaster the inside of the building, as this makes it much warmer. The building paper used for sheathing the insides of houses is cheaper than laths and plaster, and except that it does not repel the lice as the lime does, the paper sheath ing is just as good as the lath and plaster. No matter which is used, the interior should be whitewashed, with enough glue mixed with the

Blanched Rations For Milk Production, Most farmers now understand the keep up her production, but many do pay any attention to the food one of the two extremes, as may have been their previous habit of feeding, result is that while one man will have the mothers growing fat while the lambs and pigs are not growing at all, because they do not have milk enough, another will have them looking plump and round at the expense of the dam who turns all her food into milk. There is as much need of a balanced ration for them, that will cause a good milk production, and at the same time keep up a fair amount of flesh and strength, as there is for the milch cows.

Report of a Co-Operative Creamery.

A co-operative creamery makes n report of ten years' work in Denmark, of which the following figures may be of interest, as it is well to be posted on the conditions of our competitors. The creamery started ten years ago with ninety-two patrons, 400 cows, and received about two million pounds of milk. Last year the patrons numbered 210, the cows 1070 and the milk received was 4,784,190 pounds.

The average net price paid to pat rons on the farm per 100 pounds of milk for all ten years was 98.04 cents. (Remembering the ten per cent. heavier weight of a Danish pound). Both butter and skim cheese were made and the working expenses averaged 14.53 cents per 100 pounds, and of this milkhauling amounted to 3.44 cents, salaries to 3.08 cents and coal to 1.29 cents per 100 pounds of milk handled. These expenses include, as will be no-ticed, not only the hauling of the



THE EDIETS OF FASHION.

New York City (Special).-The new vas tops and white heels, and laced shapes in dress sleev.s are legion. them with white silk." The foundation or basis of most of The Little Turned-Up Cuff. the popular styles is a trim shape, en

A new waist finish has been introduced in the shape of the "little turned-up cuff." "Just as we have provided all our bodices with the deep flaring turn-down cuffs which ripple becomingly about the palm of the It would be too bad if the hand remedy were not so easy. Have a new bodice made with the little turnup cuff. It is very next and folds back like the flap of a very small envelope. It has a sharp point in the middle, and looks as if it was the result of folding back one of the old-fashioned deeply pointed sleeve-wrists. Three rows of stitching border the next new cuff which smacks of a tailored origin. It is particularly appropriate to a jacket sleeve, and once seer, will no doubt become a general favorit

A Boon to the Mother.

Eton jackets and boleros are a boon to the mother who likes to dress her half-grown girl becomingly. There is nothing more jannity and becoming to ber immature figure. It is quite as becoming to her as to the older sister.

With a Yoke E. et.

One of the longer capes has a yoke effect around th shoulders and from that hangs side pleats stitched part way down, as in the shirts of gowns.

casing the arm like a long, tight glove, either flat and snug, if the arm is plump, or wrinkled its whole length, if over-slender. The best of the summer models are lined with a firm but thin pliable silk and have as a rule

-Harpen Bazar. THE LATEST FASHION EDICTS

DECREE AS TO SLEEVES.

WHAT

an under-arm piece. The sleeve is made with two seams. The majority of sleeves are tight up to the top of the arm. There they expand somewhat to allow of being properly adjusted to the armhole, and any



whitewash to make it stick. not

necessity of giving milk-producing food to the milch cow if she is to given to ewe: and sows when they are suckling young, and they go to

again, the last remnant of borax is finally secured by this process. An abnormally generous woma? went to Europe last summer, leaving her horsen in entire charge of her coachman. The coachman, of a prac-tical turn of mind and with his mistress's full consent, turned a pretty penny by renting the teams out. Before long she had a letter from him-

would she object to his setting up a hearse? There was a great demand for something of the sort, new and smart, in the town, and he knew of or as may be the food they have or can buy at the lowest price. The such a nice hearse to be had at halfprice; if she wouldn't mind his putting her horses to it, his fortune would be made. The abnormally generous woman wrote back that she was perfectly willing. A few weeks later she was

tanding copious supplies of water and he most skillful cultivation. In the gher altitudes of the Panamints e are numerous valleys with flow streams. In these fruits are culti-ted, and reach the market two onths before the California products

he prevailing winds in Death Valre from the west. Though originin the Pacific Ocean and satu-

ith humidity in traveling the inliate distance, they are intered by the lofty peaks of four ges of mountains, which absorb all their moisture, so that by the time ney reach the valley all humidity has disappeared, and no living thing can rvive the intense heat. Even birds, indigenous to the region, die.

located in a region the most forbidding, remote from the railroad and of-

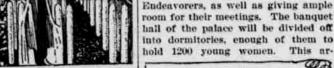
The works employ from 400 to 1600 men. The crude borate of lime is first It is in the months of greatest heat passed through rock breakers and is

BORATE MINES IN DEATH VALLEY.

then ground to the fineness of flour by that the sand storms of Death Valley st deadly. Then rage with in-ury, obliterating the landscape means of rolls and ourr stones. It is then, with a small proportion of carbonate of soda, thrown into a digester, ning the light of the sun, withsting the scanty vegetation and where under heat. pressure and agitaovering the trails deep in powdered tion the existing admittee are com-

THE CRYSTALLIZED BORAX ON THE BODS

fering almost unsurmountable difficulties in the reduction and marketing of their product, but their richness and extent, compared to all other fields, soon c.used them to be regarded as the principal source of supply for the future production of borax in the United States.



ales



ALEXANDRA PALACE.

rangement left 3800 young men to ba cared for, but 800 tents have been provided for them, and .aey will occupy these, five to a canvas.

The kitchen of the palace is large enough to prepare food for 2500 persons, who can sit down at one time in the dining hall and be served. All Endeavorers not provided for in the palace will have accommodations secured for them in near-by private houses and hotels. It has been settled that all visitors will pay their own expenses.

The total number of delegates ex pected in London is 60,000, of whica 8000 come from America. The delegates represent a membership of 4,000,-000 Endeavorers, scattered all over the world.

Easy to Pick the Winner. They made a wager as to which

ould give a story the widest circulation in the shortest time.

One of them had it manifolded on the typewriter and sent it to every newspaper in the town. The other merely told it to his wife

"in strict confidence."

milk, but cheesemaking.

The average price for the ten years per pound of butter was 24.8 cents and for the skimmilk returned to the farmers was, as a rule, charged at the rate of twenty cents per 100 (Danish) pounds, but sometimes when cheese was very low it was reduced to seventeen and even fourteen cents.

The cost of creamery was \$11,974. of which more than half has been paid out of the profits.

Two-Year Potato Rotation.

A system of potato growing is gradually being adopted in Monroe County, N. Y., which produces good crops and maintains the fertility of the land, states G. F. W., in the New England Homestead. Two fields only are needed for the rotation and they should be pretty level and of good soll. Potatoes, rye and clover are the crops grown and every second year each field has a potato crop. After the po-tatoes are dug, the field is harrowed and rye sown. The following spring the rye is seeded with clover. The crop of rye is usually large, yielding from twenty to thirty bushels per acre. The clover is allowed to grow with out being pastured until about June 5 of the second year. Barnyard manure may be spread upon it during the winter or early in spring. By early June is is usually knee high and is then plowed under, the ground fitted and

the pointoes planted. If planting is finished by June 25 It is satisfactory. Before marking and planting from 500 to 1000 pounds of fertilizer per acre is drilled broadcast. The potatoes may be planted in rows both ways or in drills. Moderhilling is usually done, but it is all done one way, so that the field is left in ridges. No hand hoeing is done. If need be, some weeds in the hills may be pulled by hand before the hilling. Some growers prefer level culture, but the pointoes must be planted deeper, and the digging is more difficult and costly. Rye is worth nearly as much per bushel as wheat, and under this system yields as well and furnishes lots of straw. Then it is hardy and sure.

extra fullness is taken up by short darts, which are pressed flat. The bot tom of the sleeve extends beyond the wrist, whether it is cut in points, rounded, fiared or simply left plain and straight.

Two Charming Summer Costumes.

"Duck things and shirt waists are what very seriously engage my attention at this moment," confessed the girl from Chicago, reaching for a fan. "I've already gone to the expense of ordering one at my tailor's. I suppose I ought to know that the linen things are to be very much made with extremely brief bolero coats and skirts quite plain. My first excursion into this experimenting with washable things is a dove's breast lilac linen. the skirt most severe and the little coat laid in the very cunningest deep overlapping tucks that run around the body. On every tuck a charming wreath of white braid Lice is laid across the bust: over my shoulders fall two broad collars of cream-white linen, fastening half way between chin and walst with smart gilt chains and buttons. Under the coat I have ordered for wear a completely tucked white lawn shirt waist and a very deep girdle of Parma violet liberty satin takes the place of the usual beit.

"Some girls will wear anything. I saw one the other day in a really charming little gown spolled by her frivolous shoes. The gown was nun's veiling in beige brown, plain of skirt. but the waist very sweetly laid i tucks running from shoulders down It had revers of brown silk embroidered in plain blue violets turned oack upon the shoulders, and it opened front to -veal a vest a: rangement of embroldered lawn upon brown silk. whence fell in front two long brown si.: sashes embroidered in violets Her sleeves were charming, opening belov the elbow to admit of white lawn undersleeves and embroidered THE ABSOLUTE CORRECT MORNING DRESS brown slik cuffs. Even her parasol was a bit of novel Gaintiness, the handle of gold in the form of a fierce engle head with ruby eyes. But, av you believe it, the girl wore brown that would look quite too her leather walking tics with cream can- cumbersome.-Harper's Bazar.

The New Skirt.

When the pleated skirt is made to lie flat over the hips it is now further supplemented by a jacket that is also in pleats, and which in shape is between a bolero and an Eton. It has a turned- down collar and small lapels, and is fastened either with a jeweled clasp, a strap of black satin cz velvet with gilt buttons, or with rosettes and long cnds of chiffon. In shape it is much shorter at the back than in front, and the pleats are sewed so that the figure does not, as might be supposed, appear thick and clumsy. This style is very much used now with the silk gowns as well as



FOR A QUIET COUNTRY PLACE.

with those of soft wool, but it must not be attempted in heavy cloth. for that would look quite too heavy and