

THE ARROW

ART
INDUSTRY
SCIENCE

Publication of the United States Indian School, Carlisle, Pa.

Vol. I

THURSDAY, OCTOBER 13, 1904.

No 8



SMALL BOYS' QUARTERS, taken in winter when the trees were bare, and the storm door was in position. This building accommodates 100 of the smallest boys, who are under the care of a matron and an assistant. The sleeping rooms have three single beds, a wardrobe, wash-stand, table and chairs. The building is 212 x 36 feet, contains bath-rooms, assembly room, reading-room and small library. Miss Roberts, who has successfully carried the responsibility of head-matron of these quarters, asked to go back to school-room work and Mrs. A. E. Saxon, matron at Uintah Indian School, White Rocks, Utah, has been transferred to take her place. The matron's room is the one with a baywindow.

THE SECOND DAY. of the Pacific Coast Institute, held in August

(From Copy furnished by the Indian Office.)

How to Instil Among Indians a Love for Farming.

M. W. Cooper, of Salem, Oregon, stated: "We should not teach the 'frills' of education of a half civilized race, rather teach him the gospel of the willing hand and the enlightened mind on the common every day subjects of life; there should be closer coordination between the industrial and the literary subjects. The literary department should teach that knowledge is far more valuable when it makes the fingers more skilful and the hands more willing, and the industrial department should teach that it is not enough to know how and when but that if we know why we will better know how and when. In none of the industrial lines in the work taught in our Indian schools is the why so important as in the agricultural and this should be given more prominence in the institution.

Ex-Governor Geer followed and stated that the white people should encourage the Indian along agricultural lines and extend to them the same uplifting hand that you would to a white boy.

Superintendent McKoin stated that

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every effort should be put forth toward encouraging the Indian students to love their country home, whether in tilling his own soil or that of his neighbor.

Superintendent Campbell believes in the abolishing of large schools and the better equipment of small schools.

Mr. Hamer of Siletz said: That every farmer should know something of carpentry and blacksmithing. Farming is the business that a majority of the Indian boys must follow and they ought to be given the training that is necessary to carry on this business.

Mr. Brisow of La Connor said that agriculture is the leading feature of his school.

THE THIRD DAY.

The Method of Sewage Disposal by Means of the Septic Tank.

Dr. E. A. Pierce of Salem, Oregon said, that to avoid the pollution of soil the excreta and the other organic filth that constitutes sewage can be cheaply and safely taken care of by the use of the construction of a septic tank which would answer the purpose of an average family at a cost of twenty or thirty dollars, and that contrary to the general opinion that sewage ought always to be treated before the beginning of purification, in this system the sewage

FOR

Photographs

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PROPRIETORS.

E. Main St. Carlisle.

is passed slowly through a tank, out of contact with light and air, allowing time for the organic matter to be broken down by the saphophytes or vegetable organisms that live in or on, or decaying organic matter. The sewage must be well diluted with water from the bath-tub, etc. As soon as the air and sunlight are excluded and decomposition begins, innumerable swarms of bacteria develop with the liquid, which, unlike the higher plants, do not take the oxygen from the air, but from the oxygen contained in dead vegetables or animal material. All the results of this process are fortunately both harmless to animal life and free from offensive odors.

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for the reason that the scums floating on the surface is not disturbed, gases from the tank cannot escape backward and air cannot enter the sewage.

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Continued on 4th page.

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THE ARROW

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PUBLISHED EVERY THURSDAY

Excepting the last two weeks in August and Holiday week

BY THE

INDIAN INDUSTRIAL SCHOOL, CARLISLE, PA.

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NOTIFICATION:—The outside wrapper will be stamped in words informing each subscriber when the subscription will expire the following week. A prompt remittance will insure against loss or delay.

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THE ARROW,
INDIAN SCHOOL, CARLISLE, PA.

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PROVERB.

FROM "WISDOM OF THE WORLD."—SHEARER

Twenty things half done do not make one thing well done.

The Arrow Commended

MOHONK LAKE, N. Y., Sept. 9, 1904.
CAPT. W. A. MERCER,
SUPERINTENDENT U. S. INDIAN SCHOOL,
CARLISLE PA.

MY DEAR SIR:

I have recently received the first number of THE ARROW, the new publication of Carlisle. I desire to thank you for remembering me, and at the same time to congratulate you on the broad-minded and altogether most encouraging basis upon which the little paper has been founded. It cannot fail to be of very great usefulness.

Very Sincerely yours,
ALBERT K. SMILEY.

Chief Red Cloud

Chief Red Cloud, lying practically helpless at his home near the agency, is frequently visited by his followers who may be found camping near by, now and then chanting a mournful song for the sake of consoling their weary chieftain and to remind him of his past bravery.

Last July he had the misfortune of losing his wife who was his inestimable helpmate. The cause of her death was due to old age and over-work as Red Cloud relied upon his wife for relieving the many wants of his declining years.

In losing her he has become more feeble and discouraged, and it is for this reason that his relatives and followers are at hand in readiness to assist him.

After the burial of Mrs. Red Cloud at the Holy Rosary Mission cemetery, there was constant mourning in the encampment that lasted nearly two weeks. This was done to show sympathy as well as loyalty to the old chief—[The Oglala Light,

Promoted.

Mrs. Jessie Cook, who has been field agent for girls under our Outing System for the past year, goes back to Riverside, California, as Principal Teacher, at Sherman Institute.

This is a promotion, and is a position more to her liking, although the field agent's duties were truly enjoyed, coming in contact as she did with the girls in their country home life. Her work was highly valued by all connected with the outing and she is well beloved by the girls.

Carlisle, Mrs. Cook always has liked, but the continued travelling in the position she last held was wearing, while academic work is more in keeping with her general physical condition and literary tastes.

She left yesterday noon, and goes by Washington, D. C., New Orleans, and El-Paso, thence via Southern Pacific. Everista Calac, who is a Mission girl returning to her home, accompanies Mrs. Cook. Carlisle wishes Sherman's new principal unbounded success.

Our Team.

Written for "The Press" by Coach Edward Rogers.

CARLISLE, PA., Oct. 8.—During the past week several men have shown up so surprisingly well that it will make the picking of a regular team as much of a conundrum now as it was at the beginning of the season. One thing is certain, however, and that is the team that will eventually represent Carlisle will be a fast, snappy one.

During the absence of Shouchuk, on account of injuries, C. Kennedy has mastered the fine points of center position and is pushing the regular man hard. Kennedy is much heavier and is a very strong and stocky man. He played in both the Gettysburg and Susquehanna games and lined up with the regulars during the past week. He did good work and showed the ear marks of a coming man.

The position of full-back is giving no end of anxiety. At first it was thought that Captain Sheldon could fill the place very acceptably, but on the trial it found that he was too valuable a man to have at half and coupled with his desire to play in his old position it was deemed advisable to look for a new man. Then Nephew was tried and for several reasons, these principally being his lack of weight and susceptibility to injuries, necessitated the trying out of another man. Gardner, the scrub tackle, was then hit upon, and he seems to be a find. He has had experience in the back field position and is taking very readily to the place. He is fast and puts into his play a lot of ginger and determination.

To pick a man for the position of quarter however is giving the greatest difficulty. Baker and Libby are two of the best little quarterbacks a team ever had the fortune to have. Baker last year was a regular substitute, participating in several minor games, with credit. This year at the beginning of the season, he was naturally given first chance. He has held this place until within the past week, when Libby was given an equal opportunity.

No punter has yet put in an appearance, and it seems from the present outlook that the punting department will be very weak. This will probably prove a serious handicap and will necessarily compel Carlisle to take chances in rushing the ball and keeping it in her possession as long as possible before attempting to kick.

The play has been very snappy and fast, and if the team continues to show as much spirit as they put into their work in the last two games, there will be some chance of making a good showing this year even if the material is very light.

The Sherrys.

Mr. and Mrs. Sherry have arrived at their destination at Devil's Lake, North Dakota, and are finding life on the plains full of interest, although very different from anything they have ever been accustomed to. But Mrs. Sherry says by letter, the air is fine and weather perfect. They take long walks and enjoy them; one walk of seven miles to their neighboring day school did not tire them as much as a walk to town and back, here. They rise in the mornings feeling rested. They miss the trees and green grass and their old associates, but there are other things to compensate. They are near William Jollie's people, who are kind and neighborly. The people around Devil's Lake are very well civilized, and they have no full bloods in their school. On their way they met Mr. and Mrs. Davis, (the latter who was Miss Ditties when here,) and were delightfully received by them. Jesse Palmer '01, kindly drove them a part of the way on a little jaunt recently, and he inquired about Carlisle friends. Taking all in all, the letter is a cheerful one, showing that they mean to enjoy life in the west.

For Sale

The attention of Agents, and Bonded and School Superintendents is invited to the following list of manufactured articles, the products of the school.

Wagons now in Emporium, finished for sale are as follows:

- 1 Elliptic Spring Buggy, wide track.
- 1 Strohm
- 3 Concord " Wagons, narrow "
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- Unfinished Wagons but can be completed on short notice, as follows:
- 4 Concord Buggies, narrow track
- 2 " " " " " "
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- 2 Wagonettes: one six passenger, narrow track; one eight passenger, wide track.
- 40 Double sets Harness complete 1 1-2 in. trace.

We can also furnish on short notice, Light Carriage Harness, rubber trimmings.

ATHLETIC NEWS.

FOOTBALL.

Schedule for 1904

- Sept. 17, Lebanon Valley College, here. Won 28 to 0.
- Oct. 1, Gettysburg College, here. Won 41 to 0.
- " 5, Susquehanna University, here. Won 53 to 0.
- " 8, Bucknell at Williamsport. Won 10 to 4.
- " 15, Albright College, here.
- " 22, Harvard, at Cambridge.
- " 29, University of Va. at Norfolk.
- Nov. 5, Ursinus, here.
- " 12, University of Penna., at Phila.
- " 19, 2nd team at Selin's Grove.
- " 24, Ohio S. University at Columbus.

Our game last Saturday with Bucknell was the roughest that we have ever participated in with any team during the ten years we have been playing football. The Williamsport Grit, among other things about the game, has this to say:

"Pounding the Orange and Blue line to flinders, the Carlisle Indians yesterday trounced Bucknell by the score of 10 to 4. Twice Carlisle sent her runners hurdling through Bucknell's defense and over the goal line. Each time the Carlisle team approached its score by a series of overpowering rushes that carried the opposing eleven before it. Bucknell was outclassed and outfought at all stages. Desperately the Orange and Blue line charged in its efforts to stop the mighty rushes of Carlisle's men, but to no avail. The Indian linemen seldom failed to get the jump that meant so much for the success of their plays. Shouchuk, the Eskimo center, was a tower of strength. The men back of the line played with dash and good judgment.

LINE UP:

Bucknell	Ind ans
Cockill.....	Left End.....(Free ont) Br ed ey
Baldwin.....	Left Tack e.....Bowe
Co er.....	Left Guard.....Dillon
Smiley.....	Center.....Shouch k(Ken edy)
Ada s.....	Right Guard.....hite
Leshar.....	Right tackle.....Lu o
Whe l r.....	Right End.....Flors (Ke ned
S ith.....	Quarter back.....Lib y
McKe v r.....	Left HalShel on (un ries)
She pard.....	Right Half.....He dricks
Jona on.....	Full ack.....Gard er(N pre s)

When the redskins had with astonishing ease made their first touchdown, it was evident that trouble was brewing. From that moment on Bucknell made many questionable plays. The hoots and hisses of the lovers of fair sport often drowned the cheering of the thousands of Bucknell rooters. The game had been going on but a few minutes when Bucknell began looking for trouble. The ease with which their line was torn apart and the ends skirted, together with their own weak offense, roused in them the determination to win at any cost? Once a Bucknell player tackled an Indian who was carrying the ball. He threw one arm around his neck and with his free arm deliberately struck him several times in the face. Time and again Carlisle players were struck while on the ground. The metal nose guards were used as clubs on several occasions. The Indians apparently wanted to play fairly. They remonstrated and warned, but to no avail.

The Bucknell boys did not improve their reputations in this City by the course they pursued at the athletic field yesterday afternoon. Their conduct did not compare very favorably with that of the Indians, and it was lucky that they did not go too far, as they did not have the sympathy of the crowd. —[Grit Editorial.

We think a few references to our record in some of the large games in which we participated in the past, will be quite apropos:

In our game with the Naval Academy in 1894 The Baltimore American said: "The Indians seem to have not yet learned the civilized art of slugging and other foul play."

The Pittsburg Dispatch in 1895 said regarding our game there: "It was full of life and certainly one of the cleanest games ever seen. The Indians are particularly fair and clean players. There was not an unpleasant word yesterday among the players during the D. C. and A. C. and Indian game."

The Pittsburg Post said: "A more gentlemanly set of young men than those from the Indian school at Carlisle has never visited Pittsburg, nor a faster lot of football players."

Regarding our game with the University of Pennsylvania in 1895 the Philadelphia Record said: "A finer exhibition of football has never been seen in this city. Hard, fast, and fierce the play was throughout, but the most excellent good feeling prevailed. In fact, a game more free from objectionable features could not be played."

About the same game the Philadelphia Times said: "They not only played football from start to finish as fast and as hard

as it can be played, but they acted courteously and gentlemanly throughout."

Regarding our game with the Navy in 1895, The Baltimore Herald said: A notable feature was the cleanness of the Indians' game."

"The entire absence of 'toughness' in the play; the manly and courteous qualities of the young men from the Indian School at Carlisle have set an example well worthy the following by American youth."

"For real earnest football play I have never seen the Indians' performance beaten. They went on the field not to talk, not to slug, not to wrangle with the officials, but to play football."

"The Indians played aggressive football from the start and won the hearts of the people by their scientific and gentlemanly playing."

Space forbids further reference to many similar words of praise for our clean, manly bearing.

The latest comes from Susquehanna to the effect that they enjoy playing our team because they know they will receive courteous treatment.

If you cannot send the pigskin
With the bowsprit of your boot.
You can help along the 'leven
If you hustle out and root.
—Cleveland Plain Dealer.

Last Saturday marked the opening of the shop football season by two very interesting games played on the school athletic field as follows:

Carpenters 6, Blacksmiths 0;
Tinsmiths 12, Harnessmakers 0.

All the teams played good straight football and the most interesting feature of these games was the good spirit with which every boy played and the friendly feeling that each team showed for the other by giving a yell for and shaking hands with their opponents at the end of the games.

David MacFarland, class 1898, wishes by letter that he could divide himself so he could take every job he is offered to do. There is plenty of work at Lapwai, Idaho, he says, especially about harvest time. One of the best things about David he did not forget to enclose a quarter for the Arrow. We sometimes wonder how any one who has ever been to Carlisle can get on without the school paper. Some read it without paying for it, and some are indifferent about that as they are about everything else. If they are told about what has happened at the school they are quite pleased to hear, but some are just a little too indolent to read anything for themselves, or to care whether the paper keeps going or not. There are not many such and our student list is growing.

A new herdic coach for the school! And made by the wagon-makers and blacksmiths; a vehicle for them to be justly proud of.

Personals.

DR. BASEHOAR, Dentist, extracts, and fills teeth. Painless. Carlisle,

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Miscellaneous Items.

→ LEARN the songs!

→ The Fall rain of Tuesday night and yesterday was badly needed.

→ Bert Jacquez is the new captain over the small boys, vice James Parsons, relieved.

→ Printer Esperanza Gonzalo has begun a course at the Commercial college in town.

→ Mrs. Stevick of Denver, who is visiting friends in town, called on Monday with her cousin.

→ That was a pretty good thunder storm which broke the slumbers of some of our people on Tuesday night.

→ Our old printer Dahnola Jessan has gone to Judson, N. C., from Cherokee, we presume on a business engagement, as he orders his address changed.

→ The new linoleum on the Administration Building hall and that which is going down in other halls is appreciated by ye inhabitants.

→ Carrie Reed has gone home to Laguna, New Mexico, and showed her continued interest in the school and paper by dropping in and requesting change of address.

→ Mr. Chas. Stauffer, in charge of the Dickinson College Glee Club last year, and now residing in Harrisburg, is our temporary vocal teacher, and is reported as doing good work.

→ Do we feel as grateful as we should for the pleasure we get from the band concerts these beautiful evenings? Remember, while we listen and enjoy, the players are working.

→ Mr. George Webster, of Minneapolis, is a guest of Coach Edward Rogers. Mr. Webster played on the University of Minnesota team between Mr. Rogers and John Warren, class 1900, Carlisle, last fall.

→ Miss Carrie Miller, once with us on the office clerical force, and now on the clerical force of the Wesleyan College, Macon, Georgia, renews her subscription again with greetings to friends at the school.

→ Glenn and Harold Saxon are Mrs. Saxon's little boys who came with their mother, the new matron of the Small Boys' Quarters. The brothers enter into the life of the school with a zeal that is interesting to see.

→ The ARROW has been a few hours late each week since the paper started, owing to the rush of job work and conditions that hinder. We have nearly caught up this week, and hope after this to be out on time Thursdays.

→ The school burying-ground, which has been in a dilapidated condition for some time is being enlarged and leveled, the head stones are being straightened and grass put in good condition, under the supervision of Superintendent of Industries, Mr. Thompson.

→ Neatly printed programs for each band concert add to the interest. Everybody likes to know what is being played and who the composers are. There is education in that. Thomas Saul's programs last week elicited comment for neat and original design.

→ Asenoth Bishop, class 1904, who is employed in Buffalo, says that her ARROW must have gone astray. As she "must have it," we have made better aim, and hope to hit her this time. Asenoth is one of those thrifty graduates that knows how to keep up to the times by reading.

→ Isaac Seneca class 1900, now employed at Chillico in ordering the ARROW says: "Be sure and shoot or aim one shot at Chillico Indian School, and you'll hit me there." Isaac was transferred from blacksmithing in the service to engineering. He sends his best regards to all at Carlisle.

→ Is your voice in good condition for rooting, Saturday? Let us be a little merciful on the visiting team when the score runs above the forties. It might be well to give them a yell or two, to encourage fraternal feeling. Our team likes a friendly voice from the bleachers when we are on a strange field.

→ Last Thursday evening the Senior Class elected the following officers for the new term: President, Martin Machukay; Vice-President, Stella Blythe; Recording Secretary, Bert Jacquez; Boys' Treasurer, Joseph Baker; Girls' Treasurer, Adella McGee; Critic, Spencer F. Williams; Reporter, Patrick Miguel.

→ Father Ganss, formerly Rector of St. Patrick's Catholic Church and Father Mohony the present Rector, were interested lookers-on at the game on Wednesday last. The former was quite a stranger, having travelled extensively in Europe since we saw him last, and was warmly greeted by his friends at the school.

The following officers were elected for the ensuing term, at the Susan Longstreth Literary Society, last Friday evening: President, Stella Blythe; Vice-President, Rose Temple; Recording-Secretary, Eliz. Walker; Corresponding-Secretary, Florence Welch; Marshal, Dora Cook; Treasurer, Ida Bruce; Reporter, Bessie Nick; Critic, Anna Minthorn; Program Committee, Lillian Johnson, Bernice Pierce, Lucy Coulon.



PRINCIPAL Miss Bowersox, giving a lesson in the Normal room. This is the department to which Miss Roberts has been called.

→ The Mrs. Campbell quoted elsewhere, was once our vocal teacher.

→ The Invincibles hold a reception to-night in honor of their "esteemed new member Capt. W. A. Mercer, Superintendent," so the invitations read. It promises to be the society affair of the season.

→ Captain and Mrs. Mercer, Mr. and Mrs. Thompson, Miss Smith and Mrs. Canfield attended the Bucknell game at Williamsport last Saturday; the last two mentioned were guests of Miss Smith's friends.

→ Tomorrow evening Misses Senseney and Steward are detailed to visit the Invincibles; Messrs. Thompson and Nonnast, the Standards; and Misses Sadie Robertson and Moul, the Susans.

→ Tuberculosis generally refers to consumption of the lungs. "Observer" notes that many of our students do not seem to be familiar with the term. Read extracts from Dr. Wetmore's address at the Pacific Coast Institute, printed elsewhere.

→ The friends of Felix Seijo were pleased to see him on Tuesday as he dropped in from New York City to visit the school on a few days' vacation. He is working his way in the great Metropolis, assisting with Spanish Invoices, and says he likes city life. He is looking delightfully well and happy.

→ Helen Maitland, who went to her Metlakatha, Alaska, home some months since, writes a cheerful, pleasant letter to Miss Paull, all through which are traced fond memories of Carlisle and her teachers and school-mates. "If I only had wings I'd fly back to my dear Carlisle school and study my lessons again, and I want to see the new Superintendent."

→ Dr. Caleb Sickles, class 1898, and graduate of the Ohio Medical College, after spending a few weeks at home in Wisconsin is now coaching the Heidelberg University football team, at Tiffin, Ohio. The team is having excellent success, Joel Cornelius is with him, taking a business course at the University and playing on the team.

→ The team appreciated the modest yelling given them by the girls as they entered the grounds last Saturday night late after a victory over Bucknell. Capt. Mercer and Mr. Thompson received a share of the midnight compliment. It was as little as could be done to show true spirit. In the early evening, on hearing the good news, the boys got together and gave yells, and the band marched on the campus, playing lively selections.

→ Mr. and Mrs. George W. Cook, of Dillsburg, and Mrs. Beitzel's cousin, Mrs. Thos. Hare, of Altoona, were recent guests of Mr. and Mrs. Beitzel. Mrs. Cook is Mr. Beitzel's sister. Mrs. Forster and Miss Margaret Forster, mother and sister of Mrs. Beitzel, who moved to North Hanover street from Harrisburg, often run in to sup at the Club and are always welcome guests.

→ Miss Mollie V. Gaither has been appointed to take Mrs. Cook's place as Field Agent for the girls under the Outing System. She is expected soon. Miss Gaither was Superintendent of the Umatilla School in Oregon for many years' and comes to us with experience that will be valuable to her and to us. Having been a teacher here at one time for a few months, she will fall into the ways of Carlisle quite readily.

Miss Willard Dead.

We are sorry to learn of the death of Miss Frances H. Willard, a native missionary of Alaska, who had made for herself a commendable name as missionary, teacher and helper.

Miss Willard was the sister of our George Willard, and died of tuberculosis of the lungs. From an Alaskan student we get the following information: Miss Willard was born at Fort Wrangell, entering the Presbyterian Home Mission School under the charge of Mrs. McFarland when about nine or ten years of age. She afterward was sent to Paterson, New Jersey, after which she taught at Sitka, Alaska, and then was transferred to Chilkat, where she was a teacher and interpreter. That school burned, and Miss Willard nearly lost her life, barely escaping the falling of the roof. The missionaries and pupils had to walk five miles to the nearest habitation, some having no wraps on or shoes, only moccasins. Miss Willard was one of these, and they were obliged to live in a store house; food and clothing being burned they had to live on what they could get from friends, till help came from the States.

Soon after this she went to Oakland, California, and took training for a nurse, and after graduation was employed as a nurse in a hospital, until called home on account of the illness of a friend.

She then was correspondent for the Home Mission Society, and later became an interpreter.

On developing symptoms of consumption, she went to Arizona, and later to New York, and finally returned to Alaska.

She stayed at Ft. Wrangell for a time, then was taken to a hospital at Sitka, where she passed away, on the 29th day of September.

Miss Willard's work was varied, and was not of the easiest kind, and her influence over the natives was of the rare, sympathetic and enduring nature that few have equalled.

In the death of Miss Willard the Home Mission Society has lost one whose place will be hard to fill. She was 31 years of age.

We all remember the touching tribute paid by Rev. Dr. Jackson to this beautiful character, when he was last with us, a few weeks since.

→ Observer says it only takes five minutes to change wet shoes and stockings, but it may take TEN MONTHS to get over a cold caught by not changing them.

**JESSE ROBBINS
— FLORIST —**

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What He Advises his School Mates to Read.

Abram Hill, assistant in the Library, gives the following resume of books in the Library:

Kirk Munroe's books are interesting in many ways: 1st, They are exciting and thrilling. 2nd, Instructive. I have read most of those that are in the Library, and know what sort of books they are.

"Canoemates" is the story of the adventures of two boys, and gives a good description of the reefs along the coast of Florida.

"Campmates" gives an account of the Western plains, and the making of the boundary lines by civil engineers, down to the Rio Grande; also the way an emigrant train lives, and their adventures with the Indians.

"Dorymates" gives the adventures of a couple of boys along the fishing banks of the Atlantic coast near Newfoundland.

"Flamingo Feather"—history of the early French settlers in America in the 16th century; How Jean Ribeaupierre arrived in time to save the distressed settlers, and the story of the boy who afterwards became an Indian chief.

"With Crockett and Bowie"—history of Texas fighting for independence, and how she came under the U. S. government.

"At war with Pontiac"—the siege of Detroit and wars with the English in 1812.

"Big Cypress"—the experience of a Northern family with the Seminole Indians in Florida.

"Derrick Sterling" tells a story of life in a Pennsylvania coal mine.

"Fur Seal's tooth" is an account of the seal fishing in Alaska.

"Snow Shoes and Sledges," is a sequel to the "Fur Seal's Tooth."

"Through Swamps and Glades"—a tale of the Seminole war.

"White Conquerors" tells of the coming of Cortez to Mexico.

"Prince Dusty" is a story of the oil regions of Pennsylvania.

I advise the students to read these books for they are helpful as well as interesting. They teach the early history of our country, give descriptions of many sections especially along our sea coast, and describe our industries in oil, coal, and fisheries.

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which flows from it, of course, is not good enough to drink, and in some cases where the tank is not working satisfactorily, it may have a small amount of odor, and may cause a certain amount of slimy growth along the edge of the channel. But, this with a little care, cleaning out of the channel, so it will flow easily, can be so arranged as to give rise to no menace to the public health, or even offensive odor. If desired to still further purify the effluent a bed of sand or grit can be placed where the outflow can pass through it.

On Oct. 1, 1903, there was put in operation at the Oregon State Blind School, at Salem, a septic tank for 40 persons; 6 feet long, 4 feet wide, and 5 feet deep, with inlet and outlet 3 feet from bottom of tank. Pipes leading 18 inches below the surface, and with a wier. The tank is giving excellent satisfaction. The water from water closets, bath and kitchen are discharged into this tank.

I have a small tank at my home, which is giving excellent satisfaction. The State Institutions, and many of the suburban residences, are adopting this plan for the disposal of sewage, and we are confidently looking forward to the time when the natural water courses will be restored to their virgin purity.

I predict that this system will be universally known and adopted and that State and local boards of health as well as suburban residents will vie with each other in their efforts towards this great reform.

Music in the Indian Schools.

Mrs. Nellie J. Campbell, of the Chemawa School, Oregon, stated:

There is no human agency more potent for good than vocal music. Singing is instrumental in refining the whole tone of domestic life, and the homes of Indian children will be elevated and refined by

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the singing of the school songs which they will never forget.

Vocal music has another thing to recommend it, especially for Indian Schools. Doctors, who proverbially disagree, concede that good singing is the best possible thing for a healthy condition of the whole organism of the chest and throat. If this is so and who can doubt it, would it not be a good thing to give more time to vocal music?

The absurdity of teaching a boy or girl to play upon an expensive instrument, which in all probability he will never own, or having them spend years in lessons and necessary practice is apparent to every one. Teaching the use of the sewing machine would be more practical.

Dr. Pierce spoke on Mosquito Extermination and stated that, where tanks, cisterns, wells or springs must be had to supply water, the openings to them should be closely covered with wire gauze (galvanized to prevent rusting), not the smallest aperture being left.

When neither drainage nor covering is practicable, the surface of the standing water should be covered with a film of light fuel oil (or kerozene) which chokes and kills the larvæ, the oil may be poured on with a can or from a sprinkler. It will spread itself.

Tuberculosis Germs.

Dr. Wetmore, of Toledo, impressed upon the teachers that they should be careful, on account of tuberculosis germs, to expectorate into cuspidors containing water, or upon old cloths that should be burned; and recommended the use of milk as a diet and strongly encouraged cleanliness in the home life, as he said the neglect of hygiene was the cause of so much tuberculosis.

Dr. Clark stated that Iodine, potash, cod liver oil, open air, good food and no work should be the treatment accorded a tuberculosis patient. Spoke of the better mode of treatment for tuberculosis than formerly.

Dr. Nyewilling did not consider tuberculosis contagious unless the sputum was dried and the germs received into the system spoke on the necessity of plenty of fresh air in the school buildings, that cold is better than excessive heat for these children, but fresh are above all things they should have. Teachers should be careful to keep the air fresh in school rooms.

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What Should be Done to Indian School Employees who Could but do not Attend Institutes?

Superintendent Reel stated that the majority of the Indian employees who could, evidently did attend Institutes judging from the large attendance of teachers at the St. Louis meeting, and that if teachers expected to do good work in the Indian Service, they must keep abreast of the times and study late methods as conscientiously as a good physician does.

She called upon Miss O'Brien, who said:

The St. Louis teacher has to give an account as to the number of periodicals and papers she takes and reads and that she must attend teachers' meetings, County and State Institutes and keep in close touch with all the latest methods of teaching if she remains in the public school work, and thought teachers in Indian Schools should do the same!

Miss Lugenbeel thought: "A successful teacher must be up to date on all points of her work, or she must take a lower position."

Mr. Campbell, in speaking of the next Pacific Coast Institute said:

"We are going to hold our next Pacific Coast Institute at Portland, and we propose to have a large exhibit, and if possible the best exhibit of Indian work that has ever been held in the United States; even though they have at present had at St. Louis the largest exhibit ever held. We have written to superintendent McCowan to ask him if we could not use that as a nucleus of the Portland Exposition—all the

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best features of it, and then get the Superintendents to join with us in securing new material. We can be assured of having a very large exhibit. I believe that you can count on a very good exhibit at Portland whether the National Educational Association is held there or not.

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