

INDUSTRY AND EDUCATION.

For some years the tendency of young men seeking higher education has been toward law and medicine. Schools of these professions have increased in number and the fields of occupation have become more overcrowded, says the Omaha Bee. Certain new tendencies in industry and the science of treating human ills are at work which suggest the possibility of a change in the drift of the educational current. Public and private enterprise are enlisted in a movement to work out new cures for old diseases and improve sanitation throughout the country. Vast progress has been, and more will be, made. Along with this, though distinctly apart from it, goes the effort of the government and private capital to harness nature for the needs of industry; to open up irrigation and water-power plants for agricultural and industrial purposes. The New York Times invites to the new fields of scientific service the attention of young men contemplating finished educations. They are, undoubtedly, prolific of opportunities. What will the effect be in these two channels? Will the current be diverted from law and medicine to that of technical or sanitary engineering?

How rapidly the aeroplane is becoming practically useful is shown by the plan of the English postoffice department to install immediately an aerial post between London and Windsor and the report that the French postal officials intend to employ the hydro-aeroplane for delivering mail from Incommodore steamships, says the Chicago Record-Herald. Not more than two years ago men of affairs and scientists saw little possibility of the heavier-than-air machines becoming more than a means of sport. There seems not much to be gained in time in sending letters by aeroplane between London and Windsor, but the experiment will doubtless lead to the establishment of other lines if successful. The distance is only 21 miles, and it is expected that the trip will take about half an hour. A railway express train could travel as quickly. As regards the transfer of mail from steamships, there seem greater possibilities; several hours may be gained.

An entirely unromantic Austrian count, who has lived in New York some years concealing his title and earning his bread, has just found it necessary in getting a marriage license to reveal his secret. He came to America to escape the dull conventions imposed by his rank at home, and is so well content with social freedom that he will never return to Austria. This is not the kind of nobleman that marries an American heiress in a church decorated with \$10,000 worth of roses, but he will make no worse American citizen on that account.

Persons who grow vastly discontented with their lot if they are not promoted or otherwise elevated in power and remuneration every year or two may be interested in the announcement that Principal Charles F. Harmon, who has just retired from service in New York city, has been a schoolmaster for fifty-four years and only "missed" two days. His boys gave him a reunion dinner. They believe, and rightly, that he has had a great influence upon the civilization of the city.

According to reports from United States Consul Charles Adams Holden of Rouen the much discussed project of establishing a train ferry service between Blooppe, France, and New Haven, Eng., is soon to become an accomplished fact. At present passengers and freight are transferred from the railway cars to steamers, transported across the English channel, and again loaded on the railway. By having ferry steamers on which an entire train could be transported, all the annoyance, expense and waste of time could be avoided.

A woman in New York in a hobble skirt chased and caught a pickpocket of course, in the interests of reason and logic, the hobble skirt should have brought its wearer to failure, but it was strictly in the nature of logical femininity that she triumphed, and criticism is again abashed.

Never watch an elderly, innocent bystander from the track of taxicabs or street cars.

An omnibus umpire declares that New York has cleaner streets than Chicago. But the western metropolis is not to be outdone in something superlative. It has smaller mosquitoes than New York ever dreamed of, and, moreover, they are a self-culture. So honors are even.

It is believed that Lake Michigan cools off Chicago, while it warms the fruit belt of Michigan. Could anything be more amiable?

A western railroad has announced that it will employ no more girls as stenographers in its departments, owing to the tendency it finds in the girls to get married. Odd that this railroad is the first to make the start. Bag discovery of this tendency.

Tigers are being trapped in India by means of fly paper. It may not be a sportmanlike method, but it is far safer than swatting them with a towel or a newspaper.

SYMPATHY WASTED ON PREMIER PITCHER



Christy Mathewson.

If the scribes and fans only knew how little "Big Six" cared or thought of this "all-in" stuff, they would save their sympathy for Mathewson. On the way to a recent game a bug recognized Matty, and his attitude and expression seemed to convey sympathy for the great hurler, who, he thought, was on the backward trail. The bug pulled a hunch of clippings from his pocket and handed them to

Mathewson without comment. The papers contained a lot of "good-bye" literature, headed: "Matty's career closing; he was a good old wagon, but he's all in now." Matty read the stuff carefully and then asked: "Where did you find this?" "In the New York Oamptaramum." "Yes?" replied Matty. "Of what year?"

SMITH ON YOUNG CATCHERS

Would Have Law Enacted Permitting Hunting of Them in Season, Like Wild Game.

"Young catchers are great stuff," says Frank Smith, now with Cincinnati. "The more I see of them the more I wish that the laws permitted the hunting of them, in season, same as partridges or snipe. Over in Boston they assigned a kid catcher to backstop me. Pretty soon there was



Frank Smith.

a runner on first, and this boy six-nalled me for three successive pitch-outs. I sent three wild ones, the runner never moving, and then settled myself to get them over, when that kid signalled for a fourth pitch-out. I walked over to him. "Kid," said I, "you are signalling for a base on balls. Lost your nerve or lost your memory?" The boy had lost all track of the number of balls I had thrown to him."

UNIQUE RULES FOR WINNING

Manager Dahlen of Brooklyn Prepares Schedule of Fines to Stop Losing Streak of Superbas.

- Manager Dahlen of the Brooklyn, is ready to do something desperate to stop the Superbas' losing streak, and accordingly has prepared this schedule of fines:
- Ordinary fumbles, 30 cents
- Fumbles allowing a run to score, \$9.99
- Muffs in the outfield, \$3.75
- Striking out with man on first base, \$1.25
- Striking out with man on second base, \$5
- Striking out with man on third base, \$12.50
- Striking out with three men on bases (to be arbitrated), \$10
- Pitcher losing game to New York, \$41.11
- Each player in losing game against New York (reduction made for substitutes unless they strike out), \$2.30
- Pitcher losing any other game, \$1.50
- Each player in any other game, 60 cents
- Failure to coach louder than a whisper, two days' pay.
- Pitcher giving more than three bases on balls, \$10
- Ordinary lackheadedness, \$7.50
- Superlative lackheadedness, with or without stupid work on the bases, \$17.50
- For failure to bowl out umpire on close decisions on third strikes, subject to refund if player is put out of his game, \$25
- For failure to show ginger and aggressiveness, per each inning, \$1.08
- For winning another game—much joy in Brooklyn.

N. B.—Treasurer Medeiros will render each player a daily statement. Expert accountants may be engaged by each player at his own expense.

ONE FLASH OF FORM

Brilliant Achievements Often Followed by Oblivion.

Case of Neal Ball, Who Performed Remarkable feat of Triple Play Unassisted, is Cited as One Instance.

There is a risk about doing the sensational in baseball. Though it is the proper aim of every player in the game to do the unusual and remarkable, enough deadly instances could be furnished of notable achievement followed by oblivion to make the diamond workmen strive to keep out of the limelight all the time. A case is furnished in Neal Ball. Ball was idolized, but he did not last. It is only a couple of years ago since Ball was the principal figure in a remarkable celebration on the Cleveland grounds.

He had performed the remarkable feat of making a triple play unassisted. The town turned out to do him honor. A medal was presented to the shortstop on a day set apart as "Neal Ball day."

In the world's series of 1906 the White Sox won because, at timely stages Third Baseman Rube, playing as a substitute for Tammehill, let loose two triples. Chicago hailed Rube as one of the great men of baseball, but a year later found him playing third base for the New Orleans team in the Southern league.

Bill Harris of Boston had the honor of pitching twenty-four innings, the longest contest in the history of baseball, in the memorable game in which Jack Coombs beat Boston in 1906. Bill looked like another phenom to take the place of Dineen, whom he somewhat resembled in appearance and movements. But the twenty-four-inning game was the last important piece of work to the credit of Harris, and he shot back to the minors the next year.

Babe Adams climbed the very summit of baseball fame when he took three games from Detroit in 1909 and won the world's championship for the Pirates. But Babe was far from being a notable performer last season.

Covaleskie was another man who had a great fall. The big Pole, who had been signed by the Phillies in 1907, only pitched a game or two and was sent back to Lancaster to get a little more experience. He came to the Phillies at the end of the year while New York was making its terrific battle for the National league pennant. The large number of games the Phillies had to play the Giants in the closing days of the season put them in a position to decide whether or not the pennant should go to New York. After Corridon and McQuillan had mysteriously failed to show their usual effectiveness against New York, Covaleskie was tried on a chance. He pitched amazing ball and beat the Giants three times in a series, thereby putting them out of the race.

ODDITY IN BASEBALL SHIFTS

Germany Schaefer and Jim Delehanty Traded Jobs as Second Basemen Now Play First.

Crack first basemen are mighty scarce, so scarce in fact that two clubs played second basemen on the initial sacks during the greater part of the season. Peculiarly, the two second basemen thus transferred figured in a deal two years ago. Jim Delehanty being traded by Washington to Detroit for Germany Schaefer and Red Killifer. Now Germany is playing the first cushion for the Nationals, while



Germany Schaefer.

Del took Gainer's place for the Tigers. Other men in the big leagues playing first that started elsewhere are George Stovall of the Naps, Frank Chance of the Cubs, Fred Tenney of the Boston Rustlers, and Jake Daubert of the Brooklyn's. Chance and Tenney were catchers, Stovall and Daubert pitchers.

Pitchers Keep Ball Low. It is a noticeable fact that the most successful pitchers these days are those who seldom pitch a high ball, and yet there was a time when the high ball had the batters guessing. Today, however, the pitcher with the high ones does not last long. The batters have mastered this delivery and the pitchers have been forced to change their style of pitching entirely. There are decidedly few players these days who hit the low balls and very few who cannot hit a high one. Most of the long hits made during a season are on balls that are pitched above the waist. Not only is it easier to follow the course of a ball which is pitched on about a level with the waist line, but the swing in most instances is more natural.

Jones to Coach Michigan. According to a friend of Tom Jones, the first baseman of the Brewers, will coach the University of Michigan baseball candidates this fall and next spring. Jones is said to have been offered \$1,400 for fourteen weeks' work and he has accepted it. Jones' ankle is still badly swollen and it is doubtful if he will get back into the game for another month.

Jennings Stames Highlanders. Hughie Jennings says the New York Highlanders put the Tigers out of the running for this year's pennant.

Horticulture

CONVENIENT TO DRY FRUIT

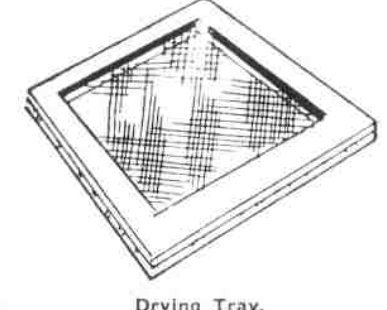
Loss and Labor May Be Saved by Using Reversible Trays—Taken to Shelter Without Trouble.

(By H. F. GRINSTEAD.) The evaporator is the best for a number of reasons, but where one must dry by the sun there is yet a much better way than spreading out one the house roof or a scaffold of boards.

Loss and labor may be saved by having wire bottom trays two feet wide and two or three feet long. These trays should be made reversible, which may be done by having the sides of two pieces of inch-and-a-half timber nailed together with the wire bottom between them. This secures the bottom and makes a tray an inch and a quarter deep either way it is turned.

Four of these trays will hold as much as any ordinary family would want to put out at one time, and more can be had as needed.

The wire cloth for the bottom should be galvanized and what is



Drying Tray.

known as No. 2 or No. 3 mesh; that is, there are two or three wires to the inch, which is close enough to hold fruit.

The scaffold is made by setting four posts high enough to be out of danger from the poultry. Strips of 1x4 are nailed from one post to the other as high as wanted for the trays to rest on.

The end posts should be set two feet or a little more apart, which will be the proper width of the scaffold, putting the other pair of posts as far from these as the length of the scaffold is wanted to be.

When the trays are placed on these supports the air passes up through the fruit, drying it much quicker and more uniformly.

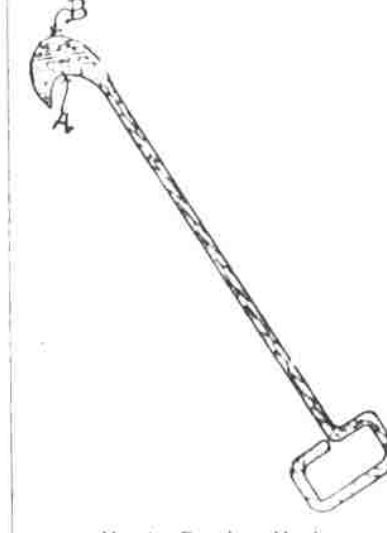
The greatest convenience in having the trays in a shower threatens or to protect the half dried fruit from the night dew.

The trays may be quickly taken to shelter without disturbing the fruit. If there should be several days of rainy weather the trays should be stacked one on top of the other in a shed or in the house; the air passing between the trays will keep the fruit from souring till again placed out-of-doors.

HOOK IS HANDY FOR PRUNING

Its Construction is Easily Within the Possibilities of Any Blacksmith—Has Many Uses.

The pruning hook here illustrated will be found handy and its construction is easily within the possibilities of any blacksmith. A piece of 3/4 or 5/8 inch iron rod is shaped as shown for the handle. To the lower end of this is welded a piece of steel for the knife part, which is pounded out flat, and



Handy Pruning Hook.

rather thin. This is shaped as shown and sharpened both on the inner and outer edges as shown at A and B, writes J. E. Bridgeman in the Farm, Stock and Home. With this hook one may cut a sprout or sucker by pushing or pulling. The hook will be found useful for many purposes.

Ripening Pears. All kinds of pears will ripen if picked a week or more before they are ripe. And there are several advantages from dropping off and getting bruised, which will occur in getting numbers if the wind blows hard while they are maturing, and if pears lie on the ground very long they are almost sure to be damaged more or less by being gnawed at by rabbits, picked at by chickens and variously injured by numerous other destructive agencies. Then if left on the tree till ripe they are subject to rot at the core, and scarcely any variety will be of so good a flavor.

Care of Roses. Late in the fall carefully remove the roses with plenty of soil and pack them together in a well drained corner of the garden. Bury them in straw manure and leaves held down by cornstalks or thick brush.

Next spring, when the roses start into growth cut back to within five or six inches of the ground, and plant into their boxes with new soil. Disturb the roots as little as possible. The Baby Rambler is a good rose for veranda boxes.

PRACTICE OF HEAVY PRUNING

Much Theorizing Has Been Done on This Subject, but Little Knowledge Has Been Acquired.

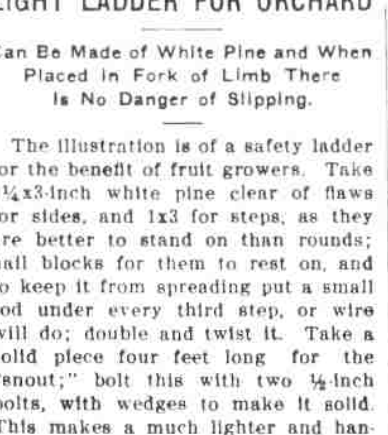
Much theorizing has been done on pruning, but comparatively little accurate knowledge has yet been acquired regarding the relative merit of the so-called "natural" form of top and the more careful and heavier cutting followed in the base form and other repressive systems as practiced on the Pacific coast.

Many of the eastern orchardists have looked upon heavy pruning as close skin to murder, and we have as a result a large proportion of leggy and awkward trees in most of the older apple orchards, the bearing wood on which is high in the air and inaccessible both at spraying time and time of harvest, says a writer in an exchange. Such trees require close heading back, and sometimes even need to be "dehorned." Such heading back, which should preferably be done in the spring just before growth starts, need not be done in a single year, but whether done in one year or gradually through a series of years, it should not stop short of bringing the remodeled framework of the tree within convenient reach of the spray nozzle and the light picking ladder.

LIGHT LADDER FOR ORCHARD

Can Be Made of White Pine and When Placed in Fork of Limb There is No Danger of Slipping.

The illustration is of a safety ladder for the benefit of fruit growers. It is made of 1 1/2 x 3-inch white pine clear of flaws for sides, and 1 x 3 for steps, as flanks are better to stand on than rounds; nail blocks for them to rest on, and to keep it from spreading put a small rod under every third step, or wire will do; double and twist it. Take a solid piece four feet long for the "enout," bolt this with two 3/4-inch bolts, with wedges to make it solid. This makes a much lighter and han-



A Light Fruit Ladder.

der ladder than the old straight one. Put the snout in the fork of a limb and there is no slipping or tipping nor knocking the fruit off. Use different lengths to suit the tree.

Protecting Tree Trunks. The trunks of fruit trees may be wrapped with paper to protect them from mice and rabbits; the paper being tied on with a cord to hold it in place. Old newspapers may be used for the purpose, the care necessary being to see that the paper entirely covers the trunk of the tree high enough to prevent the rabbits reaching the exposed portion above the paper.

At the Amateur Theatricals. Stage Manager (behind scenes)—That won't do, Mr. Stormer. You must embrace the lady as if you meant it. Now, forget yourselves and your real lives and throw yourselves into the mimic existence. I don't let the fact that Mrs. Dorey's husband is in the audience affect you so that you cannot make this scene seem real.

Mr. Stormer (who is rehearsing the third act climax with Mrs. Dorey)—That's all right, I can forget about her husband, but I can't forget that my wife is out in front, too.

The Other Side. "From the way we hover about you, Miss Muehmann, you must think we are fortune hunters."

"O, if I took any of you seriously, I should be a misfortune hunter."

That Long Hair. "O sir," said the fluffy lady to the gentleman with the long hair. "It must be splendid to bear the applause of thousands."

"You flatter me," sighed the long haired man.

"Indeed I do not. When you kicked the ball from the forty yard line yesterday and all the folks in the grandstand arose and—"

"Pardon me," interrupted the individual with piousness hair. "Pardon me, but evidently there is some mistake. I am not a football player. I am the author of 'Soulful Sonnets.'"

Whereat the fluffy lady stammered her apologies and hurried away.

To Be Sure. "All things are beautiful," asserted the lecturer, who was elucidating the loveliness of our surroundings. "Even a mole or a wart—distasteful as it first appears—may in time become positively attractive to us."

"They grow on us," agreed a sympathetic listener.

As It Might Be



(The Mother Goose rhymes are in the main unaltered, illustrated and cranks, in some instances their tendency is to imitate bad morals. They should be properly revised.)

(By PHOP — OF BOSTON.) The pigger had a son and heir of intellect and promise. Whose cognomen baptismal was the hon-ored one of Thomas.

With sinister intentions that are always depressed. And animal of genus was the youth hypo-pothecated.

But retribution left him of the prey non-possessory. And it was made the chief d'oeuvre of a banquet guests were to partake of.

Full moon the penitential youth's regretful walls resounded. When subsequent to punishment his homeward way he bounded.

By E-G-R A-L-N P-E Little pig! (It was not so very tiny, it was not so very big.)

And he scurried, scurried, scurried On his swiftly flying feet. But the pig was taken from him. For some other folk to eat.

And they spanked, spanked, spanked Him until he, apitule-shanked. Ran with howls of deepest anguish from the consequence-striving twik. And he vowed when he grew big.

Very big, big, big. He would never steal another pig. A pig, pig, pig. Never steal and run away with any pig.

(By R-D-Y-H-V K-P-L-N-G) A lad there was and he stole a pig (Even as you and I). For he did not know it was wrong to pig.

(Even as you and I) The pig secured, he took to his heels. Unheeding all of the piggy's squeals. For that is the way that a robber feels. (Even as you and I)

The pig they took from the wicked lad. (Even as you and I) The pig at the table for days they had. In roasts and in fat porks glad. They stripped the lad in his fourth bed. And lustily there they the god apiled. And he ran and he ran, and he cried and cried. (Even as you and I)

ENOUGH. "How many horse power has Jones' new auto?" asked Smith.

"I don't know as 'er that," replied Brown. "It hit me the other day, and I gathered that it has at least one-mile power and that's all I need to know about it."

At the Amateur Theatricals. Stage Manager (behind scenes)—That won't do, Mr. Stormer. You must embrace the lady as if you meant it. Now, forget yourselves and your real lives and throw yourselves into the mimic existence. I don't let the fact that Mrs. Dorey's husband is in the audience affect you so that you cannot make this scene seem real.

Mr. Stormer (who is rehearsing the third act climax with Mrs. Dorey)—That's all right, I can forget about her husband, but I can't forget that my wife is out in front, too.

The Other Side. "From the way we hover about you, Miss Muehmann, you must think we are fortune hunters."

"O, if I took any of you seriously, I should be a misfortune hunter."

That Long Hair. "O sir," said the fluffy lady to the gentleman with the long hair. "It must be splendid to bear the applause of thousands."

"You flatter me," sighed the long haired man.

"Indeed I do not. When you kicked the ball from the forty yard line yesterday and all the folks in the grandstand arose and—"

"Pardon me," interrupted the individual with piousness hair. "Pardon me, but evidently there is some mistake. I am not a football player. I am the author of 'Soulful Sonnets.'"

Whereat the fluffy lady stammered her apologies and hurried away.

To Be Sure. "All things are beautiful," asserted the lecturer, who was elucidating the loveliness of our surroundings. "Even a mole or a wart—distasteful as it first appears—may in time become positively attractive to us."