

## Making Hay While The Rain Falls

This reversal of the adage is effecting in States where wet weather during haying time has normally prevented the raising of forage crops, by newly devised methods of artificial drying.

One recently introduced in Alabama, we learn from The Manufacturers Record (Baltimore), has been so successful that E. T. O'Connell, of the Alabama Power Company, Birmingham, predicts that it will enable his State to compete with the hay-producing regions of the West. He writes:

"Alabama is bidding for a share of the West's prominence in the hay-producing field.

"Her problem is different from that of the Western States, where it is necessary to supply water by irrigation. In this State it is necessary to remove the moisture from forage crops. Each year in Alabama an average of 42 to 60 inches of rain falls; of this 20 to 40 inches falls during the hay-harvesting season May to October. There are also heavy dews.

"This means that about 75 per cent. of the State's hay crop is rained on, bleached by the sun and stripped of its leaves during the field-curing process, making it difficult to obtain better than a fair grade of hay.

"Mechanical dehydration overcomes this difficulty, and changes production of forage crops from a gamble on the weather to a scientifically controlled manufacturing process, making it possible to make hay while the rain falls. It permits cutting and curing at stage of growth when the protein and carbohydrate content is highest. In harvesting the hay white green, practically all the leaves, which are especially rich in protein, are saved, and the vitamins are retained by elimination of the sun bleaching.

"Engineers of the Alabama Power Company, who are pushing development of this agricultural industry, new to this section, except to see such alfalfa planted in the lime lands of the Black Belt also sweet clover in the fertile valley lands and soy beans generally throughout Alabama as a result of the establishment of mechanical driers as an accomplished fact. Public hay-driers at farm community centers, operating similarly to public cotton gins, are possibilities.

The Johnson plantation is a typical Black Belt farm with 200 acres planted in sweet clover and 800 acres in soy beans in preparation for the alfalfa plantings. All operations, from seed preparation to planting and harvesting, are performed by heavy-duty tractor-drawn equipment.

"Delivered at the river two hours at the most after mowing the green hay is chopped by an ensilage cutter to one-quarter and one-half inch lengths, and in something less than two minutes the completely dried product, green in color as before the drying process, is ready for sacking. The drier has an average capacity of one ton of dry hay each hour. From three to four tons of green material are required to produce this amount.

Essentially we are told, the dehydrating plant includes an elevator, which receives the chopped hay from the cutter and delivers it to the drier; a paddle-wheel-like intake gate, for admitting the green hay to the drier in regular movements; three drier drums, heated by gases taken directly from the heating unit; a steel cyclone collector where hay and gases are separated. The dried hay is blown into storage. The writer goes on:

"Thermostatic apparatus at the discharge end of the drier controls the speed of the elevator, gate intake, and gas temperature. Rotation of the drums keeps the hay in suspension in the gases.

"As the alfalfa or other product being dehydrated comes from the drier, it retains its natural green color, and contains all its natural feed value. Compared with the best sun-dried alfalfa, this artificially dried alfalfa on a ten-pound-per-day ration increases milk production by two-thirds of a quart to one quart per cow each day. To the value of this increase in milk should be added the saving in the cost of the grain ration which may be cut down due to the high protein content of the alfalfa. Chiefly, the superior feeding value of artificially produced alfalfa is embodied in increased protein content, increased digestible carbohydrates, improved flavor and aroma, and seven-fold increase in vitamins.

### DENMARK'S TOMATO CROP

Copenhagen.—One of the market gardeners from the island of Amager, which is known as the "kitchen garden of Copenhagen," has had a record year in the growing of tomatoes. He has sent 1,000,000 pounds to the market this season. In twenty years, Denmark's tomato production has increased from 44,000 pounds a year to 70,000 pounds a day, and this does not include those exported from Fyen to England. The growth has been so abundant that they have been sold at 25 ore-10 cents a pound. One of the largest market gardeners has more than five acres of glass houses.

The morality of action depends upon the motive from which we act. If I sing half-a-crown to a beggar with the intention of breaking his head, and he picks it up and buys victuals with it, the physical effect is good; but with respect to me the action is very wrong.—Dr. Samuel Johnson.

Something EXTRA in tea is Red Rose Orange Pekoe.

# RED ROSE TEA

"is good tea"

2 CHOICE QUALITIES — Red Label & Orange Pekoe

### Takes 40,000 Photos

Thirty years of a colorful and much travelled career as official photographer of the Canadian Pacific Railway were completed January 1st with the retirement of J. C. S. Bennett on pension. In those thirty years and in the eighteen



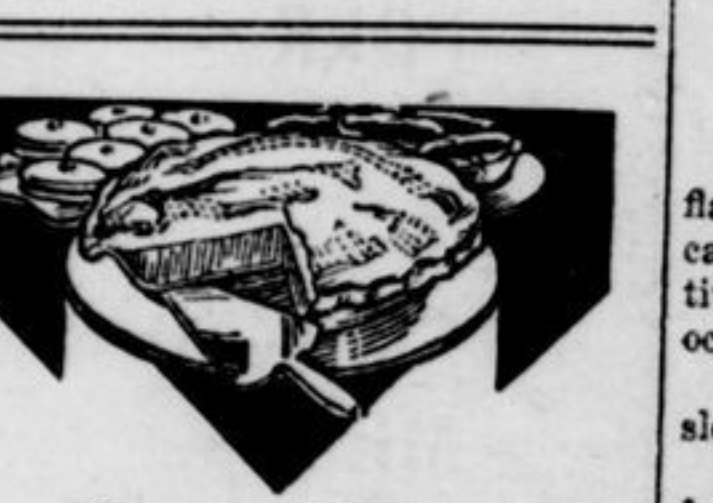
J. C. S. Bennett

years that preceded them when he worked with the well-known photographic firm of Wm. Notman & Son, of Montreal, Mr. Bennett has made more than 40,000 photographs, covering every aspect of Canadian scenery and development right across the Dominion.

"Jim," as he is known by many hundreds of his acquaintances had his first big assignment in 1891 when he handled the photography of the lying in state and funeral of Sir John A. Macdonald at Ottawa and Kingston. But his big work and that by which he will be mainly remembered is his photographic record of the manifold aspects of the Canadian Rockies gathered over a period of 25 years up to 1930 during which he spent three months of each year in that territory from "The Gap" in Alberta as far west as Kamloops, a distance of 400 miles.

He has accompanied as official photographer Prince Arthur of Connaught, the Duke of Connaught and the Prince of Wales in their travels across Canada.

The moth is not a Society favorite, even if he does frequently appear in a dress-suit.



### Custard Pie!

Rich, nourishing and delicious! Apple, butter, scotch, orange cream pie, coconut cream pie, these and 100 other delightful new recipes are contained in our wonderful new cook book "Recipes in the Kitchen"—Send for your free copy today.

**EAGLE BRAND**  
SWITZERLAND CONDENSED MILK  
Borden Co. Limited  
115 George St., Toronto  
Send me a free copy of your new cook book.  
Name.....  
Address.....



### RESTFUL SLEEP for FRETFUL, FEVERISH CHILD

—With Castoria's regulation

When your child tosses and cries out in his sleep, it means he is not comfortable. Very often the trouble is that poisonous waste matter is not being carried off as it should be. Bowels need help—mild, gentle help—but effective. Just the kind Castoria gives. Castoria is a pure vegetable preparation made especially for children's ailments. It contains no harsh, harmful drugs or narcotics. Don't let your child's rest—and your own—be interrupted. A prompt dose of Castoria will urge stubborn little bowels to act. Then relaxed comfort and restful sleep! Genuine Castoria always has the name:

**CASTORIA**

### What New York Is Wearing

BY ANNEBELLE WORTHINGTON

Illustrated Dressmaking Lesson Furnished With Every Pattern



3452

The unusual neckline and slimming flatterer necklines makes this black canton-faille crepe silk dress distinctive. It can be worn for almost any occasion.

There are a series of points giving slenderness to the skirt. It's a youthful style you'll always feel so happy to wear.

There are many other materials that will be charming for this dress, as crepe marocain that is well known to be a becoming silk for the heavier figure for it falls so well and is not too shiny. Transparent velvet and sheer woolsens are also good, as they haven't too much sheen which exaggerates bulk.

Style No. 3452 is designed for sizes 36, 38, 40, 42, 44 and 46 inches bust. Size 36 requires 4 yards 39-inch with 1/2 yard 39-inch contrasting.

### HOW TO ORDER PATTERNS

Write your name and address plainly, giving number and size of such patterns as you want. Enclose 20c in stamps or coin (coin preferred); wrap it carefully for each number, and address your order to Wilson Pattern Service, 73 West Adelaide St., Toronto.

### Juggling Figures

Berlin.—Dr. Finkelstein, a young Pole, who arrived in Germany recently, entertained and puzzled the Berliners no little at the Wintergarden vaudeville by adding up a column of figures more rapidly than anyone could read them, by learning in the flash of a second, and by doing many other things bewildering to the most learned mathematicians. Dr. Finkelstein, writes a correspondent of the Christian Science Monitor, for instance, draws a chess-board of twenty-five squares and asks that someone may fill in the figures. He looks at it for less than a minute—his record time is fifteen seconds—and then repeats the twenty-five figures forward, backward and in spiral fashion. It is quite simple, he assures one.

### The Pat of Butter

Once, at the Agricultural Show, We tasted—all so yellow—Those butter-pats, cool and mellow! Each taste I still remember, though It was so long ago.

This spoke of the grass of Netherhay, And this of Kingcomb Hill, And this of Coker Hill; Which was the prime I could not say Of all those tried that day. —Thomas Hardy, in "Human Shows, Far Pastasie."

A bore makes a big hole in a man's busy day.

## How to play Bridge AUCTION and CONTRACT

by Wynne Ferguson  
Author of "PRACTICAL AUCTION BRIDGE"

### ARTICLE No. 6

There is no Auction player in the world who always wins or who always loses, and yet some players, deservedly or otherwise, get that reputation. It is very useful to have a reputation for good luck. It not only gives your partner confidence in you, but also worries your opponents. Card players as a class are superstitious, even though they will not admit it and, when a player has the reputation of "always winning," he generally does.

On the other hand consider the player who "always" loses. He takes his place at the table with a sad and mournful expression as if Fate has already marked him out as the loser of the rubber. He generally starts out with a remark like this: "Well, partner, I haven't been able to hold a face card in weeks so watch your step." He takes a queer sort of pride in his bad luck and seems to enjoy talking about it. Needless to say, such a player has a bad influence on his partner and an encouraging one on his opponents.

The following hands are interesting and instructive

Hand No. 1  
Hearts—7  
Clubs—9, 5  
Diamonds—A, K, Q, 8  
Spades—A, Q, 10, 6, 5, 2

No score, rubber game. Z dealt and bid one spade. A two hearts, Y pass, B pass Z two spades. A pass, Y pass and B three hearts. What should Z now do with the foregoing hand? Z should bid three spades. The only other possible bid is four diamonds and that is a bad bid because partner may leave it in. At a void score, there is a much better chance for game in spades than in diamonds, so the three-spade bid is preferable.

Contract Bidding:  
At contract the bidding would be the same.

### Owl Laufs

Customer—"Three of those apples you sent me were rotten. I am bringing them back."

Storekeeper—"That's all right, madam. You needn't bring them back. Your word is just as good as the apples."

Resinol—"What makes you think you are qualified for a post in the diplomatic corps?"

Cuticura—"Well I've been married for two years and my wife still thinks I have a sick friend I sit up with."

Buyer—"Let's play the game called 'Building an Loan.'"  
Seller—"How do you play it?"  
Buyer—"Get out of this building and leave me alone."

So That's It!  
He—"I never saw anything like this tide! Here we have been pulling steadily for ten minutes, and we don't seem to have moved a foot!"

She—"Oh Jack, I've just thought of something. The anchor fell overboard a little while ago, and I forgot to tell you. Do you suppose it could have caught on something?"

The hole in the apple means you have or have not had proteins with your fruit juices. It has been demonstrated too, that when a woman can have her own way she doesn't want it. Most arguments would stop before they begin if each would base his opinion on fact and not prejudice. Don't spread unauthenticated rumors, if only to be kind to your Adam's apple. Perhaps "two can live as cheaply as one" means that father and mother

### "Life a Misery" From Headaches

Thanks to Dr. Williams' Pink Pills (Tonic) and a mother's advice she is well again.

"Headaches nearly drove me frantic" writes Mrs. J. F. Anchinios, Ingersoll. "The pain would be so severe that my eyes would swell shut. Life was a misery. Finally my mother saw where Dr. Williams' Pink Pills had helped someone. She bought a box and made me take them. I was so sick of doing, I had no faith, but thanks to mother's persistence and the pills I am here and well today."

### PROVIDE IRON

If your blood condition is below par you probably need the iron which Dr. Williams' Pink Pills provide. You are only as well as your blood is rich. Poor blood causes headaches.

Don't let life be "a misery" to you. Get a box of Dr. Williams' Pink Pills at any drugstore. 50 cents a box. Don't delay. Be sure to say "Dr. Williams'" so that the druggist will know exactly what you want.

### INFLUENCE

It is one of the greatest of mysteries—the influence one human being has over another. Oftener than not because of extreme dissimilarity.

Hand No. 2  
Hearts—Q, 8, 4, 2  
Clubs—10, 7, 3  
Diamonds—J, 7, 2  
Spades—J, 8, 4

No score, rubber game. Either at Auction or at Contract, if Y's partner had first bid spades and rebid them on the third round of bidding, bid four diamonds, what should Y now bid if A passed four diamonds? Y should bid four spades. His partner has showed a good spade hand by his rebid and only a fair diamond hand. Y's hand has practically the same strength in both suits and therefore the same chance to make four in either suit. As four spades score game it is the preferable bid. Hand No. 2 was the one held by Z's partner in Hand No. 1. In the actual play, Z bid four diamonds and Y passed. Z bid four diamonds to the writer for criticism and from the analysis it is evident that both players made bad bids. Y's error, however, was inexcusable. When your partner has bid two suits and you have better support for one always take him back to that suit. If you have equal support as in Hand No. 2, take him back to the major suit. Play for game all the time.

Hand No. 3  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 2  
Hearts—Q, 8, 4, 2  
Clubs—10, 7, 3  
Diamonds—J, 7, 2  
Spades—J, 8, 4

No score, rubber game. Either at Auction or at Contract, if Y's partner had first bid spades and rebid them on the third round of bidding, bid four diamonds, what should Y now bid if A passed four diamonds? Y should bid four spades. His partner has showed a good spade hand by his rebid and only a fair diamond hand. Y's hand has practically the same strength in both suits and therefore the same chance to make four in either suit. As four spades score game it is the preferable bid. Hand No. 2 was the one held by Z's partner in Hand No. 1. In the actual play, Z bid four diamonds and Y passed. Z bid four diamonds to the writer for criticism and from the analysis it is evident that both players made bad bids. Y's error, however, was inexcusable. When your partner has bid two suits and you have better support for one always take him back to that suit. If you have equal support as in Hand No. 2, take him back to the major suit. Play for game all the time.

Hand No. 3  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 4  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 5  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 6  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 7  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 8  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 9  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 10  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 11  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 12  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 13  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 14  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 15  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 16  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 17  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

Hand No. 18  
Hearts—A, K, Q, 10, 7, 6, 5, 2  
Clubs—K, 7  
Diamonds—K, 3  
Spades—7

No score, first game. At either Auction or Contract, what should Z, as dealer, bid with the foregoing hand? The only proper bid in this case is four hearts to shut out, if possible, a four-spade bid by opponents. It is a perfect example of a shut-out bid.

## MACDONALD'S Fine Cut

Cigarettes  
with ZIG-ZAG papers attached  
In 10°, 15°, and 20° Packages

### Monday on the Common

(From The Countryman.)  
Perilous trousers hung from pegs,  
Wave agile unrestricted legs,  
Whose flowing curves, repete and free,  
Betoken a humanity  
That rolls from bliss to super bliss  
In some far rounder world than this.  
An apron not to be effaced  
Flaunts stout if unsubstantial waist.

The sheet forewear the sober bed  
Whereon we nightly sleep like lead,  
And in a strenuous delight  
Would have us bounce and bounce at night;  
While pillowcases almost burst,  
To beg us gambol with them first.

Abandoned dusters wildly ask  
When next at our appointed task,  
We should not gravely dust the room,  
But dance, and sing and wave the broom,  
And whirl about our decent heads  
Their flapping blues and flying reds.

In swift accord the ballet flows,  
For liberated matter knows  
The spirit of a singing bird.  
The dishcloth's unaccustomed wings  
Beat to the tune the bedspread sings  
In notes of red and green and white.

The clothespreps quiver with delight  
That this is Monday morning, this  
Delirious, distended bliss.

Now let the mangle to its worst;  
Let bodies be austere and curst;  
Let linen presses hold their away—  
Here's to another washing day!

—Joyce M. Westrup.

Some people are inclined to mind their own business but lack the ability to do so.

Wool Batts  
Full Comforter width and 80" long.  
Guaranteed all wool, free from oils and will not creep. Natural cream shade. Price delivered anywhere in Ontario for \$2.00. (Batts made from your own wool. Write for particulars.)  
Dunnville Woollen Mills Ltd.  
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Free From Pimples.  
What A Relief!  
CUTICURA SOAP and CUTICURA OINTMENT  
Healed Them  
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