# TELLS US-by René Bache SCIE

# Congress to Ban "Cheat" Bottles **And Containers**

Co. pess is making an effort to do away, by legislation, with certain forms of fraud which have become so familiar that the public at large has almost ceased to take notice of

One of these is the bottle with a bottom so shaped as itself to occupy a large fraction, maybe as much as one-third, of what ought to be space available for fluid contents. Olive oil bottles are usually made on that deceptive principle. Another is the bottle, commonly used for cherries, strawberries or olives, which is made of extra-thick glass, the latter incidentally serving to magnify to the eye the individual fruits. Another is the "slack-filled" carton, a term applied to a paper or pasteboard con-tainer, which, while actually holding the net weight of product declared on the label, looks as if its contents were much larger than they are in

Spaghetti is commonly put up in these deceptive packages; likewise candy, which is sometimes packed in boxes with false bottoms. In some instances the contents are wrapped in extra heavy paper, to help fill the cartons. Oatmeal, rice, macaroni, pepper, spices and other condiments "faked" in this way are on sale at every grocery, the ob-ject sought being to mislead the purchaser as to the quantity he gets for his money. When the law was made requiring that every contain-er of food should declare on its label the net weight of its contents, an effective embargo on cheating was thought to have been established. Attempts to evade that regulation have been few, because too dangerous. But clever rogues soon saw a way to get around the obstacle thus placed in their path.

The whole idea of the "fake" bot-

tle and "slack-filled" carton is based upon the fact that the average purchaser does not take the trouble to examine the weight statement on the label. He-it is usually she, of course -judges the quantity of the con-tents by the looks of the package. She thinks in quantity rather than in terms of weight, and so is de-

Cheats of this kind have multiplied enormously during the last few years. Canned tomatoes and certain other tinned foods often contain an excess of water or other liquid, inreasing their cost to the consumer the use of standard bottles and cartons, which, it is thought, will serve

# Music Roll Pictures.

A novel attraction for player pianos is to be a pictured series of grotesque animal and human heads, which appear to open their mouths when the keys of the instrument are depressed. The heads form a panel along one face of a patented box containing a music roll. When the box is laid along the white keys the funny faces are flush with the front edges of the latter, and, inasmuch as the lower jaws are omitted, the animals and queer people seem to be opening and shutting their mouths with the fall and rise of the keys. Just nonsense business, of course, but amusing. The box, it should be said, is made just wide enough to fit in front of the black keys and lie flat on the white ones.



a minute. Native savages are dis- contracts, the valve opens and the posed to regard the phenomenon as intermittent flare is resumed. black magic, attributing it to evil spirits, and in a number of instances ing an automatic light supplemented they have evinced their disapproval by a warning bell has already been

of it by smashing the installation.

Within the last few years the light-house service has installed hundreds shell, which is set upon the sand of of these automatic lights along the shores of the Great Lakes, on the out from the inside, causing it to sink gulf coast and in Atlantic and Pacific Wood piles are driven inside of it

Three, which are visited only once ber, however, is cast in the concrete in six months, are located on rocks far out at sea off the coast of Honpelago, has not been extinguished for 10 years, save on occasions for read- a bell is mounted on the concrete There are a number of "deck" of the steel caisson, a piston them in Alaskan waters.

These keeperless light stations cost of soda-water gas from a reservoir so little to run that they represent a on top of the bell causing the clapper ropes, for which no material other great saving to the government, to strike a loud note at regular in-

Horror Developed in World War

(as they are "Incendiaries"

tion will be employed much more ground.

genious mechan'sm actuated by the

extensively.

Early in the recent war phosan incendiary agent. To put it out is almost impossible, and a small pet-let of it falling upon a man will in,

A solution of yellow phosphorus in carbon bisulphide will take fire of its own accord on exposure to air. The mixture finally decided upon as best by our chemical warfare service, for use in "drop bombs." consists of these two ingredients, to-gether with benzene, heavy oils and

a small quantity of TNT.

This compound was tested by hanging a can of it from a support and firing rifle bullets through the can. A stream then issued without ignition until the liquid reached the ground, when it took fire as it seed. Thrown upon water it spreads rapidly and burns fiercely. but for this sort of use, to insure ignition, small chunks of sodium (which is set on fire by contact with water) are added.

A mixture of lubricating oil with 25 per cent of ammonium nitrate gives, when discharged from bombs, immense flames which burn for 10 or 12 minutes. This compound, used together with "thermit," proved the most effective "incendiary" during the war.

Thermit has familiar industrial Some of the lights, however, are so arranged as not to flare during the day, the device used to gain this end and thoroughly mixed together.

When raised to high temperature by

thus is produced an energy sufficient to close a valve and shur off the vals of a quarter of a minute or half acctylenc. At nightfall the black bar valve and shur off the valve of a quarter of a minute or half acctylenc. At nightfall the black bar valve of a quarter of a minute or half acctylence of the accommodation of articles of food. service is loaded with thermit, sunplemented by sodium nitrate and a oil, so that by the time the container s burned through and melted, there s a tremendous burst of flame.

## Human Hair Ropes

the bottom. Then the sand is pumped harbors. Several of them have been and cut off at the water level; the mense ropes made of human hair. newly set up at points on the Hudwater is pumped out of it, and it is They represent voluntary offerings filled with concrete. A hellow chamof tens of thousands of Japanese women.

The temple is as large as a European cathedral. Ninety-six mas-One, in the Hawaiisn archi- But to provide for occasions when sive pillars support the roof at a has not been extinguished for log might render the light invisible, height of 126 feet.

The timbers for the great structure were all dragged from the mountain forests and lifted into their places by the above-mentioned than human hair was considered

The airplane has lent a fresh hortor to warfare by rendering it practicable to set fire to enemy property
over unlimited areas beyond the
fighting front.

"Insendinging" (as the bombs dropped by
the Germans in England carried
thermit. The British "baby incendiary bomb," extensively used
during the war, was loaded with the same destructive mixture, to which called) suitable for this purpose had barium nitrate was added. These not been developed to any great ex- babies weighed only six and a half tent up to the outbreak of the late ounces spiece and were packed in a war, but during that gigantic con-flict they were multiplied and made cording to size, held from 144 to 270 Even now our own chemical war-fare service is working hard at the problem, in the expectation that in the next war such agents of destruc-

The chemical warfare service has Early in the recent war phos-phorus naturally suggested itself as an incendiary agent. To put it out is cendiaries." If it were desired to set fire to coast cities by long-range bombardment, they would be very flict painful burns that take weeks useful. But, for the present at least, to heal. Hence the common use of phosphorus bombs.

Application of the present at least, the navy men are not inclined to accept the idea. They prefer high

# A Refrigerator Which Is Iceless

Anybody who has lived on board ship in the tropics knows what a "water monkey" is. Indeed, the contrivance is in rather commen use on land in hot latitudes. It is a receptacle of porous earthenware with a capacity of some gallons and filled with water is hung up in a shady and breezy place. Thereby evaporation is encouraged and the water is suffi-ciently cooled to be palatable for

drinking. A new kind of iceless refrigerator based on the same principle is the invention of Milton A. Snider of Detroit. It is made of porous earthenware in sections that fit together, one advantage of the sectional arrangement being that the affair can be handled and moved about with less danger of breakage. The material of which it is made is rendered less fragile, however, by wires running through the walls to serve as reinforcement. It has a tightly-fitting cover (with a knob on top for lifting the latter off), and this so that it may absorb the rays. Coninum particles (for which it has
sequently, when doylight comes the
greater chemical affinity) with such
into grooves, so as to fit tightly and
sequently together. And around the violence as to convert the whole securely together. And around the mass into a flaming fluid.

> In use the sections are first immersed in water until well saturated. Then they are put together and the refrigerator is placed near a window or in some other place where it will be exposed to a current of air, thereby encouraging evaporation. The In the great Hongwanji temple at cite Laran are arranged the evaporation the cooler will be the interior of the contrivance. To keep the walls wet Kioto, Japan, are preserved 29 im- tnd thus secure continuous operashaped troughs that run around the outside of the refrigerator are supplied with water from time to time.

> > An Ambulance for Lambs. In Canada a motor ambulance especially designed for the care of sheep, has become an unusual but highly valuable adjunct to an enormous sheep ranch in Alberta. During the past season 7,000 lambs were born on the ranches, and the busy ambulance was the means of saving the lives of hundreds of them.

# Always Keep Smiling, Hint of Tetrazzini to Singers After Fame the tongue must form. It also gives the singer a slight sensation of uplift necessary for singing. It is impossible to sing well when mentally possible to sing well when mentally while furtiveness widens the space while furtiveness while space whil

London, Sept. 10.-Where are the great singers who shall take the place of Patti, Melba, Jenny Lind, Tietjens, and those other prime donne of the glorious past?

in some corner of the globe. hear the name mentioned, and I say to myself: "Has the new prima donna actually arrived?" I wait and won-

Her voice climbed to the sky without an effort. The timbre and quality, the easy bird-like notes, were such as are only commanded by the great ones of the earth. But her notes were not quite developed; she could not then produce all the volume and beauty of tone without hours of training, of rigid applica-tion, of self-control-yes, of self-

I told my young genius what she must do and continue to do if she would be truly great. Her answer left me sad and sorrowful.

"What!" she exclaimed. "You say I must start training.

Warning bell operated by soda-

water gas which sends its call

across the waters, telling the

mariner he is in a dangerous

locality

went away.

Today she is making her living as professional singer at second-grade concerts in her native country. No one outside Spain seems to have lotes. heard of her name. Yet she might have been a Jenny Lind or a Patti

## Just a Few Hints.

exulted. "Yes, I have found her," I soug, I have no space to give more than a few hints. I counsel every tional prima donna. She is a genius."

Notes Undeveloped.

Notes Undeveloped.

Notes Undeveloped.

Her voice climbed to the sky in far away light. I am a daughter in far away light. I am a daughter in far away light. I am a daughter in "Lucia," the use of the "white in "Lucia," the use of the "Lucia," the use of the "white in "Lucia," the us

then, one must temper feeling with reason. Sometimes when the dramatic situation demands sadness I forget myself to such an extent that sobs choke my throat, tears fill my

Automatic light on Prince William Sound, Alaska

By MADAME TETRAZZINI. offense at hearing the truth. I depressed or even physically indis-few extracts from Mme. Tetrazzini's bowed and said, "Oh, beg your par-don for my presumption." And she of Songs.")

My Life of Songs."

Offense at hearing the truth. I depressed or even physically indis-posed. Unless one has complete control over the entire vocal ap-paratus, and unless one can simulate a smile one does not feel, the quality, particularly in the upper

Be careful not to simulate too broad a smile. Too wide a smile often accompanies what is called the sets. white voice." This is a voice pro-Just a rew rims.

Many of my correspondents write a book on der.

When I was singing in Spain, my hopes rose high. A young singer came to me and asked me to hear the voice. I listened and secretly said to myself—"the new international prima donna. She is a genius."

Just a rew rims.

Many of my correspondents write a book on dead resonance is employed, without sufficient of the appogio, or enough of the mouth resonance to give the should be especially well-fitted with make her welcome. "My mother will always have a disciplination of this give in the standard."

"In duffici the appogio, or enough to make her welcome in my house and my will will not interned the sum of the sum of the standard."

The dufficient of the proprior of the standard to worth and the proprior of the sum of the proprior of the prop Many of my correspondents write a duction where a head resonance alone is employed, without suffi-Many of my correspondents write alone is employed, without suffi-to ask me to give them some hints cient of the appogio, or enough of

in far-away Italy; I am a daughter voice" suggests the babbling of the wool and lead a sequestered existof Greece, wandering, pensive, in the mad woman, as the same voice in ence. At the same time, one cannot the last act of "Traviata," or in the retain a position of eminence in the wild-hearted French maiden sorrow- lest act of "La Boheme," suggests domain of song and also indulge in ing for my ungrateful lover.

Whatever role I am singing I actually become that person. Even production on these colorless lines, vidual matter, and what agrees well production on these colorless lines, vidual matter, and what agrees well actually become that person. however, would always lack the with me would cause others to fall brilliancy and the vitality which in-spire enthusiasm. One of the com-and naturally, being Italian, I prefer

possesses a perfect diction. Eyebrows and Eyelids. The singer's expression must con- and over-spiced patty, to pass by uncern itself chiefly with the play of touched, consoling myself with fruit emotion around the eyes, eyebrows, and fresh vegetables. "What" she exclaimed. "You say I must start training over again." Are you aware, madam, that I am a great artiste?"

What could I say in answer? What could I say in answer? Here was an undoubted genius, one with the makings of an international prima dona, but so self-opinionated and mona, but so self-opinionated and generating and unwilling to be helped by some-one of lifed to assist the six of that relapse to the relations and sorrowing. "You say that are would in any one defect of a facial expression and to shows a lack of interest, it is one mother." I hardy think so, mother. The and once what had once emotion around the eyes, eyebrows, and fresh vegetables.

"Ho, Tetrazzini," I say, "what are you say that are you doing grow and in the special seven the figure of Jane Donoline, already quavering under the triumph she could not quite sustain. Then my voice clears and I am and the special seven the figure of Jane Donoline, already quavering under the triumph she could not quite sustain. Then harty think so, mother," he and once defers of what had once emotion and once of what had once defers of whicked hate, and revel debris of what had once defers of in a form and underlying so for the failway; a barren moment, and fresh vegetables.

"He went at that, shouldering aside the figure of Jane Donoline, already quavering under the triumph she could not quite sustain. Then my voice clears and I am and the figure of Jane Donoline, already quavering under the triumph she could not quite sustain. Then my voice of a such the figure of Jane Donoline, already quavering under the triumph she could not quite sustain. Then hardy it is first your defer to the figure of Jane Donoline, already quavering under the triumph she could not quite sustain. Then have were a collar, sterile with impossibility, its center. "He had have hardened my throat to a considerable s.

"He went at that, shouldering aside the figure of Jane Donoline, already quavering under the triumph she could not quite sustain. The figure of Jane Donoline alread

see that it does not take away from not a favorite expression of actors, the correct position of the mouth.

When singing, always smile and is only employed where the role makes it necessary. Increasing telaxes the lips, allowing them free anxiety is depicted by slanting the play for the words which they and eyebrows obliquely in a downward the tongue must form. It also gives line toward the nose. Concentrated

again without elevating the eyebrows.
In the eyebrows alone you can depict mockery, every stage of anxiety voice will lack some of its resonant or pain, astonishment, ecstasy, terror, suffering, fury, and admiration, besides all the subtle tones be-

> tween. sets. There is no reason in the world why a singer should not wear corsets, and if singers have a tenworld why a singer should not wear with the first reviving sips of it a of her own home," wept Mrs. Donoto you like that you'd be a different with the first reviving sips of it a of her own home," wept Mrs. Donoto you like that you'd be a different with the first reviving sips of it a of her own home, wept Mrs. Donoto you like that you'd be a different with the first reviving sips of it a of her own home, wept Mrs. Donoto you like that you'd be a different with the first reviving sips of it a of her own home, we were the spirit to talk hid her entirely.

pensations of the "white voice" the foods of my native land. But singer is the fact that she usually simple French or German cookery agrees with me quite as well. And I allow the tempting pastry, the rich

"No, I'm not dead, Ellen—and I've ridden your road at last"

Hours later the fog cleared with the waning afternoon and the coast

feet to the camping place in the

suffering, fury, and admirabesides all the subtle tones bence word on the subject of cortain There is no reason in the 1 why a singer should not wear 1s, and if singers have a tence with the first reviving sins of its and if singers have a tence with the first reviving sins of its and if singers have a tence with the first reviving sins of its and if singers have a tence with the first reviving sins of its and if the coffee pot. With tired slowness she laid out should be saying a great deal more, should be saying a great deal more. The should be saying a great deal more, should be saying a great deal more, should be saying a great deal more. The should be saying a great deal more, should be saying a great deal more. The should be saying a great deal more, should be saying a great deal more. The should be saying a great deal more, should be saying a great deal more. The should be saying a great deal more, should be saying a great deal more. The should be saying a great deal more, should be saying a great deal more. The should be saying a great deal more, should be saying a great deal more. The should be saying a great deal more, With tired slowness she laid out

tained in that moment by the memo-ry of her particular triumph. Ellen Glynde by her 30 years of steward-ship over those locked gates; Jane

exaltation.

"Yes, aunt; Terry and I have been den center downcast."

In the silence that ensued Terry curtsey.

black bar expands and lengthens slightly, while the others do not, and

A new type of structure for carry-

The structure carries a flarelight.

energized by the intermittent escape

"Terry-remember I am your

mother. "If I were not remembering it I with a stray trail of jasmine falling

Donohue by the reflection that the man they had both desired had been given to herself.

As Terry followed them, his ever and access it the first factors and access it the first factors and access it the first factors for the factors for the first factors for the factors for the first factors for the factors for the factors for the factors factors for the factors factors for the factor given to herself.

As Terry followed them, his eyes and across it the two sisters faced black in a face of paper white, Ann had gone to his side. Only as far is the hall, with the colored prisms of its front door, its sacerdotal stairmay and its atmosphere of incurable mustiness.

Song as Lucy dashed up the stairs, and across it the two sisters faced cach other in a realization of the door and down to where Terry awaited Lucy, pacing solitary under down for the winter," she mused. "Terry—my son—you are killing the fog-dripping cypresses That approach took courage, for in that moment even the friendly men who had mustiness.

She had gone at that, out of the door and down to where Terry awaited Lucy, pacing solitary under the fog-dripping cypresses That approach took courage, for in that moment even the friendly men who had been saveled to the first of the formation of the door and down for the winter," she mused. "Tis time I was packin, my old bones away in Los Angeles till next April."

of 30 years before asserting itself of 30 years before as if all that had

"You were never fitted to bring up a son," Mrs. Glynde went on, but,

The picture of those two sisters go-ing together up the steps, each sus-the girl faced her in a stillness of fretwork carvings; herself, with sun-that a little Kangaroo rat ran out on bonnet, blanket, and staff, the sud- a log at her side, dashed at a frag-"Yes, aunt; Terry and I have been den center of all eyes as with meekly ment of cracker, and hopped off

her "spells," but Terry was beyond accompanied him were leaving him

bones and give thanks as I had the "You have estranged me from my

own mother." Terry accused. "That's all you know about it," retorted Ann. "Your ma's in there a stickin' up for you agin' Ellen Glynde right now." "She is?" he exclaimed.

basked again in turquoise and amor for anything but your own stupid ber, Walking Ann dragged weary hot-housed hate."

Just what he wanted and here was this, lad; there never was a body yet no changing him—as you well know, as amounted to anything until they ber, Walking Ann dragged weary hot-housed hate." their family in some way or other. And the harder and quicker they does it the more their family thinks She left him to think that over,

stalking away into the fog, a self-reliant old figure that gradually dimmed until the drifting vapors "Them was true words as I spoke

downcast gaze, she dropped a decent again, carrying its treasure in its

They faced each other in the chill the reach of that now.

I hardly think so, mother." he ansterile with impossibility, its center the figure of Jane Donohue, already are the real cause of my mother's "Well, lad?"

A smile curved her lips as she contempanted min were leaving him alone. Ann marched straight up, settlemplated the last scene of all. The splintered debris of what had once been those gates of wicked hate, and Terry and Lucy, the issmine-decked