

Mrs. G. H. Campbell



Have You Indigestion? How's Your Blood?

Perhaps This May Interest You
Atlanta, Ga.—"I had been suffering a good while with indigestion, also very frequently with shortness of breath; and my blood was undoubtedly in very bad condition. I was losing weight and getting weak and thin. My aunt recommended Dr. Pierce's Golden Medical Discovery and I had taken only a little when my health began to improve. I took three bottles, according to directions, and by this time I was relieved of all those ailments. Therefore I can cheerfully recommend Dr. Pierce's Golden Medical Discovery."—Mrs. G. H. Campbell, 685 Woodward Ave.
If you need a building-up tonic for stomach or blood, obtain Dr. Pierce's Golden Medical Discovery from your druggist, in tablets or liquid, or write Dr. Pierce, President Invalids' Hotel in Buffalo, N. Y., for free medical advice.

Green's August Flower

The remedy with a record of fifty-seven years of surpassing excellence. All who suffer with nervous dyspepsia, sour stomach, constipation, indigestion, torpid liver, dizziness, headaches, coming-up of food, wind on stomach, palpitation and other indications of digestive disorder, will find GREEN'S AUGUST FLOWER an effective and efficient remedy. For fifty-seven years this medicine has been successfully used in millions of households all over the civilized world. Because of its merit and popularity GREEN'S AUGUST FLOWER can be found today wherever medicines are sold. 30 and 90 cent bottles.

HEALS RUNNING SORES

"I feel it my duty to write you a letter of thanks for your wonderful Peterson's Ointment. I had a running sore on my left leg for one year. I began to use Peterson's Ointment three weeks ago and now it is healed."—A. C. Gilbrath, 703 Reed St., Erie, Pa.
For years I have been selling through druggists a large box of PETERSON'S OINTMENT for 35 cents. The healing power in this ointment is marvelous. Eczema goes in a few days. Old sores heal up like magic; piles that other remedies do not seem to even relieve are speedily conquered. Pimples and nasty blackheads disappear in a week and the distress of chafing sores in a few minutes. Mail orders filled. Peterson Ointment Co., Buffalo, N. Y.

Rheumacide

Have you RHEUMATISM Lumbago or Gout?
Take RHEUMACIDE to remove the cause and drive the poison from the system.
"RHEUMACIDE OF THE INSIDE PUTS RHEUMATISM ON THE OUTSIDE"
At All Druggists
Jas. Baily & Son, Wholesale Distributors Baltimore, Md.

Lost in the Fog

Children lost in London fogs have furnished the basis for many a story. Temporary separation from home and friends is, however, merely one of the minor tragedies shrouded in the murky health statisticians have found. Recently it was discovered that the death rate from bronchitis and pneumonia increased sharply during the week following extra heavy fogs. Large quantities of unburnt coal from chimneys of factories and private residences, held in the atmosphere by the fog, are blamed for lowering the individual resistance to the disease germs and so boosting the death rate.

Hall's Catarrh Medicine will do what we claim for it—rid your system of Catarrh or Deafness caused by Catarrh.

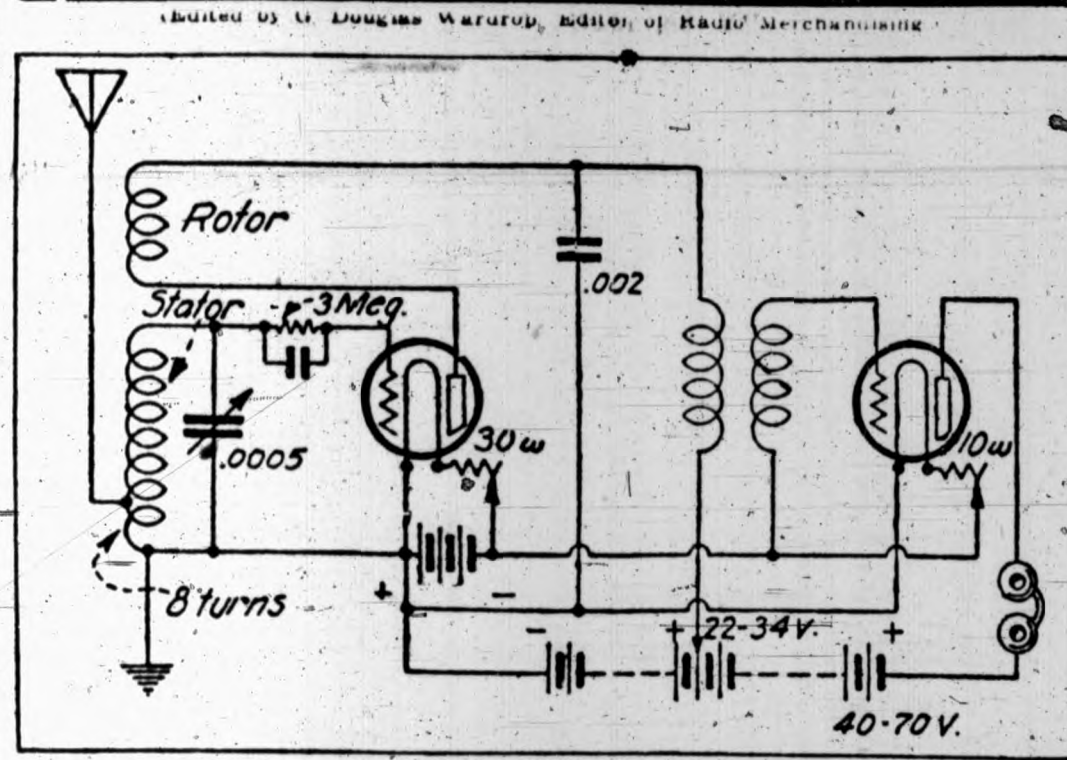
Sold by druggists for over 40 years.
F. J. CHENEY & CO., Toledo, Ohio

Always
A safe and soothing remedy for cuts, burns, or skin troubles. Protects, relieves and heals. Take internally for coughs and sore throats.

Vaseline
PETROLEUM JELLY
Cheesebrough Mfg. Co., Con's'd., State St., New York

PANTS
New York manufacturer sells pants direct to consumer. Best khaki pants, \$1.50 and \$1.95. Save money. When ordering, measure width and length of old pants. PHILIP FOX & CO., 24 E. 14th St., New York City.
Baby Chicks—Special selected stock. Rhode Island Reds, \$10 per 100; White Leghorns and Anconas, \$15; mixed lots, \$12. Order now. Beech Haven Hatcheries, Washington, Ga.

RADIO



Such a Set Gives Volume and Distance.

By LEON BISHOP

Procure any standard make of 180-degree variocoupler, rewind the stator with 40 turns of No. 20 double cotton covered magnet wire. At a point eight turns from the ground side of the stator, take off a tap which goes to the antenna. Across this coil connect a .0005 variable condenser. This condenser must not be over .0005 in capacity, but under that value if anything.

The grid condenser has a capacity of .00025 mfd. and the grid leak a resistance of 3 megohms. The bypass condenser is .002 mfd. The audio frequency amplifying transformer may be any of the so-called high ratio types.

The first or detector tube rheostat should have a resistance of 30 ohms, while that of the second or amplifying rheostat should be 10 ohms. The detector tube B battery voltage is variable from 22 to 34 volts.

It is important that the outside windings of the secondary be connected to the grid, and that the inner side of the secondary shall be connected to the negative side of the A battery, and not to the negative side of the filament.

This circuit, when working properly, will not only regenerate but will spill over when the rotor windings become parallel with the stator.

Most of the tuning is done with the rotor at almost right angles to the stator. This circuit will operate almost any type of loud speaker with wonderful volume. It is even possible to put

over loud speaker reception with stations 1,500 miles distant.

The multi-anti-plex circuit is not only extremely sensitive but wonderfully selective.

The best results are obtained by using UV-201A tubes.

Following several valuable suggestions, these improvements in the multi-anti-plex circuits are advised:

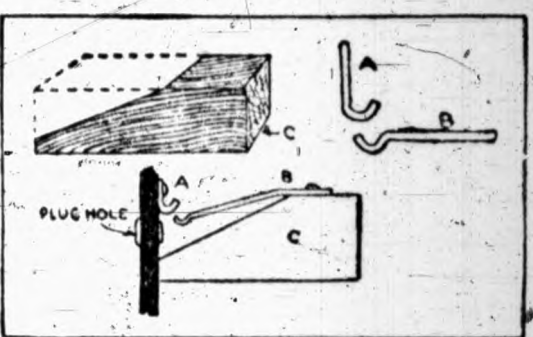
Instead of a variometer in the plate circuit to produce regeneration, a much snappier action may be obtained by using a standard variocoupler, the 180-degree type preferred. The rotor winding need not be changed, as the average variocoupler has a sufficient number of turns to produce regeneration over the frequency used in the music band.

In this circuit the antenna is connected eight turns from the ground, as shown in the diagram. This eliminates a tremendous amount of code interference, and it will be easily possible to listen to the shorter-wave stations, even through the local interference of station WEAF.

It must be remembered when using the 180-degree type of variocoupler that it may be necessary to reverse the connections to the rotor. When the proper connections are obtained and the rotor is turned parallel to that stator winding, a terrific "squeech" should be heard in the phones. In other words, the best point of tuning is arrived at with the rotor at about right angles to the stator.—New York Herald.

Use Wood and Copper for Open Circuit Jack

It will be found that a very good open circuit jack can be made as follows: A block of wood 3/4 inch square 3 1/2 inches long is cut as shown at C. Procure two small pieces of copper and cut one of them 1/4 by 3/4 inch and the other 3/4 by 1 inch. Bend the first piece as shown at A and the sec-

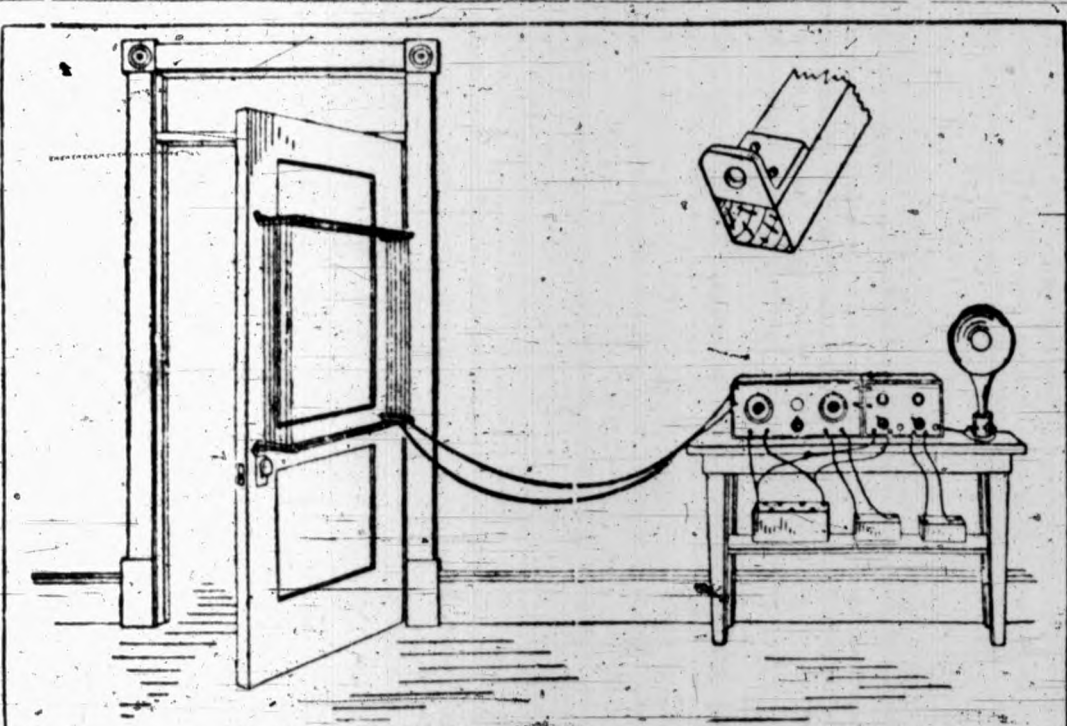


ond one as at B. A hole large enough to allow the plug to pass through it is bored in the panel exactly in front of the place where the block of wood is to be nailed.

The strip of copper A is screwed against the panel and above the hole so that when the plug is pushed in it will make a good contact. The strip B is also screwed in place on the block so that the tip of the plug is connected to it. The block is now fastened in place and the jack is completed.—Radio Digest.

Flexible Leads Save Breaks in Portable Set

When building that portable set for the summer vacation and other trips, use of flexible wire for connections inside the set will probably save lots of trouble from broken connections due to jars and other causes. These connections are not quite so efficient, due to capacity effect from the insulation, but they are safer and a broken connection out in the woods, miles from a soldering iron, is a calamity. Keep them short but not taut enough to be under a strain. Copper lugs should be soldered to each end to go over the binding post spindle.



A Loop Aerial is Rather Cumbersome if Placed on the Table With the Receiving Apparatus. Why Not Mount it on the Door of Your Room, as Shown in the Illustration?

200-Meter Work Makes Interesting Listening

There is some interesting stuff in the air down below the wave length used by the lowest of the broadcasters. It's no use to listen down there until 10:30 p. m. or later, because the amateurs, 99 per cent of them, keep off the air during broadcasting hours. From eleven o'clock on, however, even if you do not read code, there is some interesting amateur phone traffic on 200 meters and lower. You'll find it extremely sharp and requiring care in tuning. Perhaps, too, you'll begin to realize what you are missing by not knowing the code. If so, you can get a chart of the code and you'll find plenty of opportunity for practice in reading any night after eleven o'clock if you tune down to the 200 meter band.

Bakelite Regarded as One of Best Insulators

The insulating material, bakelite, that is used so extensively for radio panels and parts, is really a very complicated substance, and when the scientific man wants to talk about it he has to call it by the tongue-twisting and brain-exhausting name, oxybenzyl-methylene-glycolanhydride. It is a condensation product of phenol and formaldehyde, is a very fine insulator and has great heat, moisture and acid-resisting qualities. Its brothers go under such trade names as formica and condensite. These materials are highly efficient in all places where the best of insulation is needed, both in radio and electrical work.

Caught as Catch Could.

Said a Radiophan.
As he tuned in his set,
"This is catch-as-catch-can,
I must take what I get."
Then he turned on a wheet
And the stuff that he got—
A political spiel—
Made him swear quite a lot.
—Walter Drummond in Radio Digest.

Short Wave Sets Produce Results

Extreme Simplicity and Selectivity Are Features Worth While.

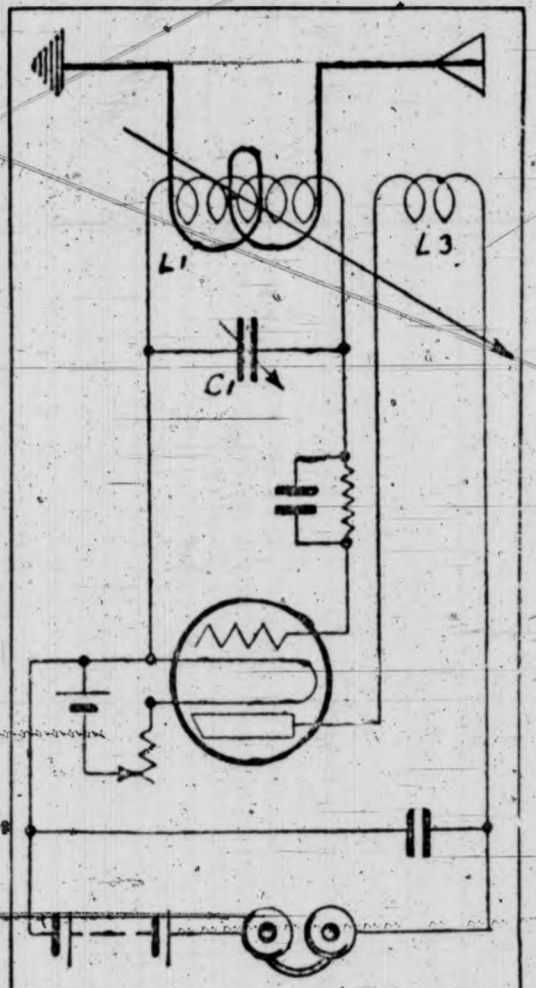
Most every operator is interested in the other fellow's receiver if he gets good distance with it and for that reason a description of the tuner at 3YO is given.

The following is a description of the set used by 3YO (Lafayette college) in tuning in four European stations within two hours in one evening during the recent trans-Atlantic tests. These four stations were located in three different European countries, SAB and SBF of France, PA9 of Netherlands and SZ2 of London.

An antenna 250 feet long was used. For that reason it was thought better results could be obtained if the aperiodic system were used. To do this two turns were wrapped around the grid coil of ten turns. The stator was 3 1/2 inches in diameter. This gave good coupling and eliminated tuning the antenna circuit. Various numbers of turns were tried in the grid coil L-1 until ten was decided upon. The condenser across this coil, C-1, was a .0005 mf. with a vernier attachment. The tickler coil, L-3, was made of 30 turns of small wire on the rotor of the variocoupler, which was 2 1/2 inches in diameter. When arranged as described, and the tickler L-3 adjusted so that oscillation would barely take place, the range of the tuner was from 95 meters to 220 meters as carefully checked by a laboratory oscillator and wave meter which was at hand.

Its beauty lies in its extreme simplicity and selectivity. It has no taps, and so does away with dead end losses.

For amateur work the operators at 3YO believe it is unexcelled. The operator has complete control without touching his hands off the two dials. Another feature is the elimination of the filament rheostat. A fixed resistance of 30 ohms is introduced for the UV-199 tube. The only dials or posts that need come out on the panel are those for L-3 and C-1, a 'phone jack, and antenna and ground posts. In fact, the ground may be left off, results being practically the same. The batteries may be connected through the rear of



the set. Everything is mounted on the panel, so that the entire affair may be removed and the set repaired if necessary.

If the builder does not care to listen to 100 meter stuff and wishes to increase his wave length range, he may make the grid coil 18 turns instead of 10. Everything else should remain the same. The range will then be from about 175 to 300 meters.

There may be one spot where the set will not oscillate—it is at the fundamental of the antenna, showing that energy is being taken from the grid circuit at that wave, leaving not enough energy to make it oscillate freely. This may be remedied by one of two ways, either remove the ground connection or place a coil of ten to twenty turns in series with the antenna. This will change its natural wave length, and the outfit will immediately oscillate freely again.—New York Herald.

Simple Switch Knob Any Novice Can Make

Those ardent radio fans who take pride in making as much of their own apparatus as possible can make a very neat looking, serviceable switch knob to go with the homemade silvered dials.

The top of an ordinary spool is cut off at the place where it ceases to taper and is sandpapered until it is clean and smooth. It is then given two or three coats of black enamel to improve its appearance. This makes the knob.

A long-threaded bolt of sufficient thickness to fit snugly into the hole in the knob is then pushed through the knob. The top of the hole is then countersunk so that the head of the bolt lies flush with the top of the knob.

The contact arm is cut from a strip of brass or copper. A hole is made at one end and the arm is then tightened to the knob by means of a nut.

On the other side of the panel the usual arrangement of washers, tension spring, nuts and wire connector is followed.

The Kitchen Cabinet

(© 1924, Western Newspaper Union.)
Health is the greatest of all possessions; a hale, cobbling is better than a sick king—Bickerstaff.

FEEDING THE CHILD

The child of the family being the most important member as to feeding, it is wise to follow the English custom of having a table for the children. Here there is no temptation for them to waste food not good for them, for it is not seen or desired and there is no compromise between what they ought to have and what they want. The result when intelligently fed will be sturdy, healthy youngsters. Not so many American families follow this custom because of indifference, but more because of necessity.

In homes where they cannot be fed alone and properly they are too often allowed to eat at the family table where they usually cry and get what they cry for, for the sake of peace and at the sacrifice of health, manners and morals.

There are ways where meals may be simplified so that the children may be served at the same time without harm. One may restrict the diet of the adults to conform to the food needed for the children, having dinner at noon or letting the little people have a simple supper by themselves earlier in the evening than the dinner hour.

Children under five years of age should be given food easy of digestion, avoiding rich food of all kinds, pastries and cakes, except sponge. No rich puddings or sauces and very little meat, and that at long intervals.

Fortunately the child who has not been pampered and is in good health does not desire a variety of food. Good cooked cereals, toast, eggs, plenty of milk and fresh fruits, stewed prunes, orange juice every day with potatoes cooked in various ways and chicken once in a while, will be enough variety for any normal child.

One must remember that a growing child needs plenty of food, to build the body and supply heat and energy, too, for his active body. A child's digestion is more active than an adult's and it is able to take an extra meal or two daily without trouble. A light luncheon in the morning and afternoon, if only a glass of milk or a slice of bread and butter, will be found quite necessary to keep the little active body growing properly.

The year's at the spring;
The day's at the morn;
Mornings at seven;
The hillsides dew-pearted;
The lark's on the wing;
The snail's on the thorn;
God's in his heaven—
All's right with the world!
—Robert Browning.

COMMON, EVERYDAY FOODS

A good breakfast dish for any winter morning may be made as follows:

Get a shank bone with plenty of meat; add the chopped marrow, cook all until the meat drops from the bones. Let stand after cooking until the next day, then chop the meat fine. There should be three or four cupsful of the broth. In this broth cook oatmeal, adding enough to make a thick mixture to mold. Cool until the oatmeal is well cooked, then add the chopped meat, season well and mold. Season with onion, celery salt or any desired seasoning. When cold cut into slices and fry. One may use cornmeal for this mixture making the scrapple which is so well liked.

Stuffed Peppers.—If there should be a small chop of lamb or pork left with not enough meat to serve the family otherwise, add a cupful of bread crumbs well-buttered to the meat after putting it through a meat grinder, a bit of chopped onion and the trimmings from the top of peppers which have been prepared to stuff. Parboil the pepper shells after removing the white fiber and seeds and place them in greased gem pans. Fill with the stuffing, add any bits of vegetable like a spoonful, or two of peas, a few chopped nuts, a little peanut butter, or any good tasty food; even a small amount of cooked oatmeal will add to the outfit. Bake until the peppers are thoroughly hot, then serve.

Scalloped Potatoes.—Cut a peeled onion into very thin slices and then into quarters. Melt three tablespoons of fat, add the onion and cook very slowly on the back part of the range until softened, stirring occasionally. Slice a layer of potatoes into a buttered dish holding a quart. Sprinkle with onion, salt, pepper and parsley—continue until the dish is full; add milk or broth from leftover roasts until it can be seen through the potatoes. Bake until the potatoes are soft, then serve from the dish.

Codfish a la Mode.—Take one cupful of shredded codfish, two cupfuls of mashed potato well seasoned, a pint of milk, two beaten eggs, one-half cupful of softened butter, salt and pepper to taste. Bake in a buttered fish twenty minutes.

Neenie Maxwell

Nasal Catarrh is a Dirty, Filthy Disease
That continual dripping of catarrhal mucus from the head down into the stomach finally poisons the whole body, a condition known as systemic catarrh.
For more than fifty years Peruna has held an enviable record for results in the treatment of all catarrhal conditions.
Sold Everywhere
Tablets or Liquid

SPOHN'S DISTEMPER COMPOUND
Horses and Mules can be kept on their feet and working if owners give "SPOHN'S" for Distemper, Influenza, Shipping Fever, Coughs and Colds. Cheapest and surest means of escaping these diseases. Occasional doses work wonders. Give "SPOHN'S" for Dog Distemper. Used for thirty years. 60 cents and \$1.20 at drug stores.
SPOHN MEDICAL CO. CINCINNATI, O., U.S.A.

Shave With Cuticura Soap The New Way Without Mug

CHERRY-GLYCERINE COMPOUND FOR COUGHS, COLDS, BRONCHITIS AND THROAT AFFECTIONS FOR SALE BY ALL DEALERS
PREPARED BY JAMES BAILY & SON BALTIMORE, MD.

The Reason
"Well, well, Uncle Heck!" saluted the able editor of the Tumblerville Torch of Liberty and Tocsin of the Times. "How does it happen that we so seldom see you in town nowadays?"
"Well, I'll tell you," replied the veteran. "My eyesight has got so thundering poor, y' see, that I can't scarcely see to dodge the fellows. I'm owing or them that has been making talk about shooting me."

Roman Eye Balsam is an antiseptic ointment. Hence the medication heals by penetrating the inflamed eye surfaces. Adv.

Arctic Flowers
All the flowers of the Arctic regions, of which there are 762 varieties, are either white or yellow.

Mothers, Do This—

When the Children Cough, Rub Musterole on Throats and Chests
No telling how soon the symptoms may develop into croup, or worse. And then when you're glad you have a jar of Musterole at hand to give prompt relief. It does not blister.
As first aid, Musterole is excellent. Thousands of mothers know it. You should keep a jar ready for instant use.
It is the remedy for adults, too. Relieves sore throat, bronchitis, tonsillitis, croup, stiff neck, asthma, neuralgia, headache, congestion, pleurisy, rheumatism, lumbago, pains and aches of back & joints, sprains, sore muscles, chilblains, frosted feet and colds of the chest (it may prevent pneumonia).

To Mothers: Musterole is now made in milder form for babies and small children. Ask for Children's Musterole.
35c and 65c jars and tubes.

MUSTEROLE
WILL NOT BLISTER
Better than a mustard plaster

ITCH!
Mofey back without question if HUNT'S SALVE fails to relieve the treatment of ITCH, ECZEMA, RINGWORM, TETTER or other itching skin diseases. Price 25c at druggists, or direct from A. I. Richards Medicine Co., Sherman, Tex.

PARKER'S HAIR BALM
Removes Itch, Stops Hair Falling, Restores Color and Beauty to Gray and Faded Hair. 25c and \$1.00. Write to: Parker Chemical Works, Patuxent, N. Y.

HINDERCORNS Removes Corns, Calluses, etc., stops all pain, ensures comfort to the feet, makes walking easy. Buy mail or at Druggists. Hiseox Chemical Works, Patuxent, N. Y.

FRESH TESTED SEEDS—25 c packages for \$1.00. Either flower or vegetable. Bulk seed in all amounts and all kinds. Flower plant free with order amounting to \$1.00. Pansy plants, 25c doz. prepaid. All plants in season. Cash. SWATY & SON, Menz, Ark.