

HANDICRAFT FOR BOYS AND GIRLS

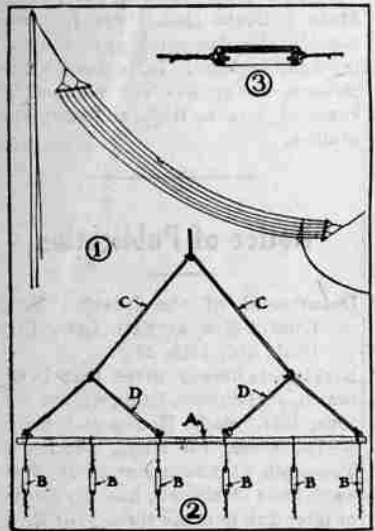
By A. NEELY HALL and DOROTHY PERKINS

(Copyright, by A. Neely Hall.)

A WIRELESS TELEGRAPH RECEIVING SET—PART 2.

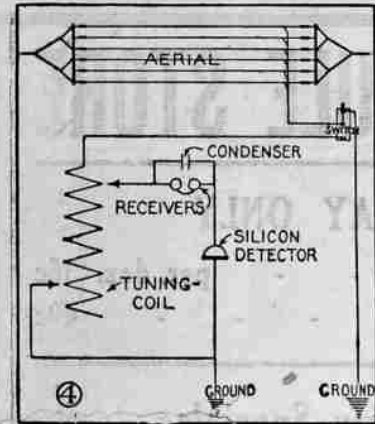
The first thing to consider when setting up a "wireless" receiving set is the aerial. This should be supported at least 30 feet above the ground, at one end, and should be 50 feet or more in length.

Fig. 1 shows an arrangement for an aerial of six strands, and Fig. 2 shows how the end connections are made.



Any wire but steel or iron, not smaller than No. 16, either bare or insulated, may be used for the strands, and the end spreaders (A, Fig. 2) may be any light, strong poles 5 1/2 feet long. Insulators must be set in between the spreaders and the ends of the wire strands (B, Fig. 2), and the strands must be fastened 12 inches apart. Ordinary porcelain cleats (Fig. 3) make good insulators. Tie the supporting ropes (C) of the aerial (Fig. 2) to screw-eyes placed at the ends of the spreaders, and then fasten the rope stays (D) to them, and to the spreaders, so the spreaders will not become bowed.

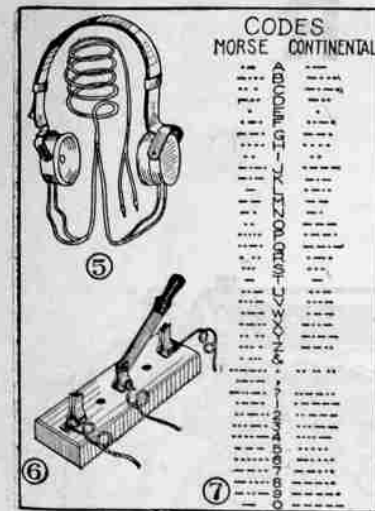
Fig. 5 shows a good pair of telephone receivers, with head-band. If you cannot afford a pair, you can get along



with a single receiver. Fig. 6 shows the kind of switch to buy—a single-pole-double-throw switch. This switch must be placed outside of the window, to provide for disconnecting the aerial when the receiving set is not in operation, as a precaution against lightning. Fig. 4 shows the wiring diagram. One wire from the switch must be grounded, also, as shown, outdoors. The receiving set must be grounded, and this grounding can be taken care of by connecting a wire to a radiator or plumbing pipe.

With the receiving instruments properly prepared and set up, and a good aerial with its lead-in wire perfectly insulated, you should be able to receive from commercial stations at a distance of at least a hundred miles, and from all amateur stations in your vicinity.

The two telegraph codes—Morse and Continental—must be learned, because both are employed, though the Morse

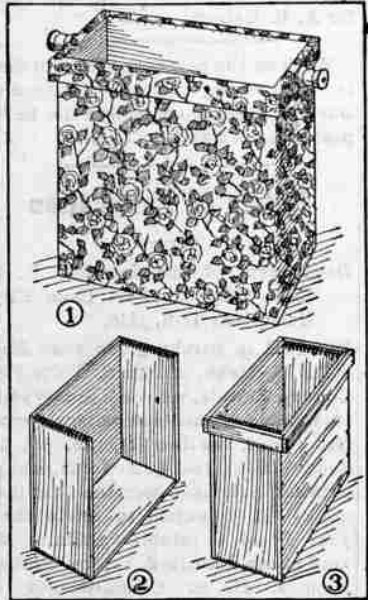


code is the one in general use. The two are shown in the diagram of Fig. 7. You will notice that in the case of many characters the arrangements are similar. The dots of the codes will be heard through the receivers as short buzzes, the dashes as long buzzes. As there is great difference in the equipment of "wireless" stations, your instruments must be "tuned" before you can receive a message, by slowly sliding the sliders of the tuning-coil back and forth, and occasionally adjusting the wire resting upon the piece of silicon of the detector, until the buzzes are heard.

A WASTE-BASKET, SHIRTAUST BOX, AND SHOE BLACKING CASE, IN CRETONNE.

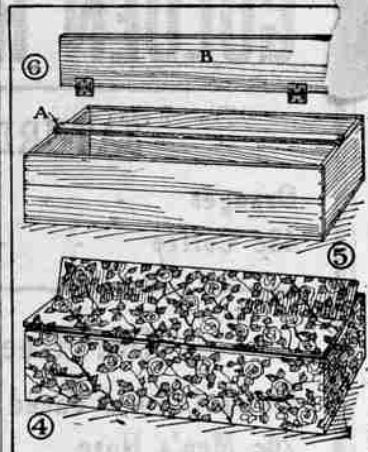
On account of the simplicity of the construction of cretonne covered furniture, there are all sorts of things which a girl can make for her own room, and for mother's.

The waste-basket in Fig. 1 is made out of a soap box. Remove one end of the box, as shown in Fig. 2, for



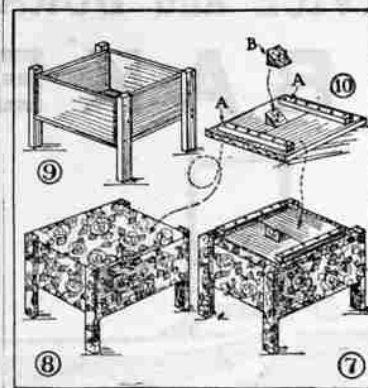
the open top of the basket, and nail the cover board in place to enclose the side (Fig. 3). The next step is to cut several strips about an inch and one-half wide, and nail them around the top edges as a finishing band. Tack the outside cretonne on first, then the inside lining. Lap the cretonne over the top edge, and cut it so that about an inch will turn down all around. Then conceal the edge of the cretonne by lapping the lining over it. The lining may be of a plain colored fabric.

The shirtaust box shown in Fig. 4 is made of a box of the right height to slide underneath a bed, and a pair of handles are screwed to each of the two long sides, so it may be pulled out from either side of the bed.



Because the shirtaust box must be shallow, it is well to make it long. Having procured the box, it is only necessary to fasten a strip two inches wide along the center of the open top, from end to end, for the hinge-strip (A, Fig. 5), and hinge a board each side of it for the covers (B, Fig. 5). That completes the carpentry. It will be easiest to cover the box before the hinge-strip and covers have been put on, and to tack the cretonne on the hinge-strip and covers before fastening them in place. The handles and the castors go on last.

Have you a shoe blacking case in your room? Very few girls do own one, yet it is an article of great im-



portance to the girl who is particular about keeping her shoes tidy. Fig. 7 shows a practical little blacking case. By making the top removable, the inside of the case may be used as a receptacle for cans and bottles of polish, brushes, and rags; and by padding the under side and covering it with cretonne, the top may be inverted after use, and the blacking case thus converted into the attractive footstool shown in Fig. 8.

Fig. 9 shows how four short legs should be nailed to the corners of a square soap box, with the tops projecting just enough to allow for the thickness of the cover, and Fig. 10 shows how the cover boards should be fastened together with the cross strips (A), and how a triangular block (B) should be nailed to it for a rest to push the shoe against.

In covering the blacking case, it is best to omit the inside lining.



A PARTING SHOT.

"Perhaps it is best after all," remarked the rejected suitor as he lingered in the hall. "A man of twenty-five would probably soon tire of a wife who hovered around the thirty-two mark."

"Why, Mr. Ardent," said the woman in the case, "how very ungallant you are to insinuate that I am thirty-two." "Well, perhaps you are not," he replied, "but it certainly struck me that you were somewhere near the freezing point."

And with this parting shot he crawled into his ulster, let his person through the front door, and hastened to flag the next car headed downtown.

Some Name.

A little colored girl, a newcomer in Sunday school, gave her name to the teacher as "Fertilizer Johnson."

Later the teacher asked the child's mother if that was right.

"Yes, ma'am, dat's her name," said the fond parent. "You see, she was named for me and her father. Her father am Ferdinand and my name is Liza. So we named her Fertilizer."

Close Accountant.

"How much is beefsteak a pound?" asked the man with the hurried manner.

The meat merchant told him and added, "how many pounds will you have?"

"I don't want any. I wanted to ascertain how much I am saving by eating scrapple."

Difficult Undertaking.

"It's harder than the old fifteen puzzle," said Senator Sorghum as he pushed aside the manuscript of a speech. "I have rearranged my ideas a dozen times."

"What are you trying to do?" "I'm trying to fix up a consistent argument that will arrange for safety first and preparedness last."

AFTER THREE YEARS.



She—I can't carry both the baby and the basket.
He—Well, give the basket to the baby to carry.

Flirting With Fear.

Some men will frame with gloom intense forebodings of some future ill. Not based on fact or inference, but just because they want a thrill.

Popular Pose.

"Do all these prominent citizens who make frequent trips to Washington go there for the purpose of attending to business?"

"I don't think so. Some men seem to think that by rushing off to the national capital every now and then they acquire national importance."

A Shame.

"I'm going back south?" "Why?"

"These people up here are such liars. On the lake yesterday a man warned me to keep away from an airhole, and when I fell into it I found it was a water hole, and I nearly froze."

Out of His Element.

"I like to meet people on equal ground," said the precise individual. "So do I," answered the low-browed person, "but what are you going to do when a fellow insists on quoting a lot of old fogies who made speeches 1,000 years ago?"

Cruel Comfort.

"If you don't mawwy me, Miss Gladys, I'll blow out my brains."

"Would you put the poor coroner to a microscopic inquest to determine the cause of death?"

Had Two.

Mrs. Newed—What is your husband's favorite fiction?

Mrs. Oldwed—It's a toss up between "detained-at-the-office-on-business," or "meeting-of-the-lodge" story.

Gradual Condensation.

"Diplomacy requires a lifetime of study."

"Yes, and after you have read whole libraries of books, the point at issue is liable to narrow down to half a dozen words of definition in the dictionary."

Its Class.

"It was a mad revel at the banquet last night."

"Yes, I noticed that even the champagne bottles were frothing at the mouth."

SURE THING.



"Strive to excel in your own line, my boy, no matter how humble." "No doubt it pays, dad." "Invariably. Even a good woodchopper can get into vaudeville."

An Exposure.

Little drops of water, Little grains of sand, Make the village grocer A power in the land.

Safety First.

"Miss Gadder has a wonderful pair of eyes."

"Well, what if she has?"

"But, my dear fellow, don't you admire beautiful eyes?"

"Oh, yes, but when I have an idea that they never light up except when they rest on some expensive object, I prefer to do my admiring at a safe distance."

Erudition.

"How is your boy Josh getting along with his books?"

"First rate," replied Farmer Corn-tossel. "He's learned a whole lot."

"Knows more than you do, I bet." "I won't say that. But he kin tell me a lot of things I already know in language I can't understand."

Modern Campaigning.

"What are your views on this question?"

"Come around tomorrow and see 'em," replied Senator Sorghum.

"You mean 'hear them,' don't you?"

"No. I mean 'see them.' I've secured the very latest and best set of motion pictures on the subject."

His Advantage.

Lawyer—I say, doctor, why are you always running lawyers down?

Doctor (dryly)—Well, your profession doesn't make angels of men, does it?

Lawyer—Why, no; you certainly have the advantage of us there, doctor.

Safety First.

Mrs. Newed—Will you have a piece of this angel cake, darling?

Newed (cautiously)—Well, dear, you—er—know I don't care much for cake. Did you make it?

Mrs. Newed—No; mamma sent it over.

Newed—Give me two pieces, please.

Mind Reading.

"Do you think there is any such thing as mind reading?" asked the eminent diplomat.

"Oh, yes," replied Miss Cayenne.

"If I pay very close attention to what you say and analyze it carefully, I often fancy I get a glimmer of what you are thinking about."

WHICH?



Miss Kittish—Oh! dear. It's a positive affliction to be as shy as I am. I always run at the sight of a man.

Miss Sharp—From him or toward him?

Occasional and Habitual.

We make mistakes, for Fate will mock The hopes which fondly are arranged. But why keep old mistakes in stock And bring them forward, ready-made?

Couldn't Fool Her.

Landlady—That new boarder is either a married man or a widower.

Pretty Daughter—Why, ma, he says he is a bachelor.

Landlady—Well, I don't believe it. When he opens his pocketbook to pay his board he always turns his back to me.

If you Suffer from Backache, Lumbago, Kidneys or Rheumatism, Take Hot Water and "ANURIC"

American men and women must guard constantly against kidney trouble, because we eat too much and all our food is rich. Our blood is filled with uric acid which the kidneys strive to filter out, they weaken from overwork, become sluggish; the eliminative tissues clog and the result is kidney trouble, bladder weakness and a general decline in health.

When your kidneys feel like lumps of lead, when your back hurts or the urine is cloudy, full of sediment, or you are obliged to seek relief two or three times during the night, when you suffer with sick headache or dizzy, nervous spells, acid stomach, or you have rheumatism when the weather is bad, get from your druggist—"ANURIC." Because of uric acid in overabundance in the system, backache, pains here and there, rheumatism, gout, gravel, neuralgia and stonias result. It was Dr. Pierce who discovered a new agent, called "Anuric," which will throw out and eradicate this uric acid from the system. Dr. Pierce believes "Anuric" to be 37 times more potent than lithia, and consequently you need no longer fear muscular or articular rheumatism or gout, or many other diseases which are dependent on an accumulation of uric acid within the body. Send Dr. Pierce, Invalids' Hotel, Buffalo, N. Y., 10c for trial package or \$1.00 for full treatment "Anuric."

Dr. Pierce's reputation is back of this medicine and you know that his "Pleasant Pellets" for the liver and his "Favorite Prescription" for the kidneys of women have had a splendid reputation for the past 50 years. Adv.



WORMS

"Wormy," that's what's the matter of 'em. Stomach and intestinal worms. Nearly as bad as distemper. Cost you too much to feed 'em. Look bad—'ere bad. Don't physic 'em to death. Spohn's Compound will remove the worms, improve the appetite, and tone 'em up all round and don't physic 'em. Acts on glands and blood. Full directions with each bottle, and sold by all druggists. SPOHN MEDICAL CO., Chemists, Goshen, Ind., U. S. A.

Don't count your poultry before they get big enough to get away from the cat.

FITS, EPILEPSY, FALLING SICKNESS Stopped Quickly. Fifty years of uninterrupted success of Dr. Kline's Epilepsy Medicine in curing epilepsy, Epilepsy, Falling Sickness, Dr. KLINE COMPANY, Red Bank, N. J.—Adv.

Its Sort.

"Yes, I actually bearded the lion in his den."

"Close shave, wasn't it?"

USE ALLEN'S FOOT-BASE

The aseptic powder to be shaken into shoes and used in foot-bath. It relieves painful, swollen, smarting, aching, tired feet and instantly takes the sting out of corns and bunions. The greatest comfort discovery of the age. Sold everywhere. Trial package FREE. Address Allen S. Olmsted, Le Roy, N. Y. Adv.

Diligent.

"I hope you are making good use of your time at school," said Bobbie's uncle.

"You bet I am," replied the boy. "I won most fifty marbles off of Jimmie Smith at recess today."

No Objection.

"This war is making everything more expensive," complained father. "I see by the paper that even castor oil is going up."

"That's nothing in my young life," said little Johnny. "The only time it worries me is when it's going down."

Too Busy.

"John, I don't believe you paid any attention whatever to the sermon today."

"How could I, my dear? I was trying to figure out how I am going to pay for the Easter hats and gowns you and the girls are wearing."

How It Impressed Him.

Willie's father was trying to impress upon him the tremendous progress that science and invention have made in the past fifty years.

"Just think, Willie," he said. "When I was a boy there were no telephones, no electric lights, no talking machines, no moving pictures, no X-rays, no wireless telegraphy, no—"

"Gee," interrupted Willie. "What an awful lot of hicks everybody must have been!"

The American Way.

The Stranger—Why are you driving the car so fast?

The American—To get to the ferry. (Later at ferry.)

The American—We have 20 minutes to spare.

The Stranger—I know it. In this country you will race the car, burn up gasoline, imperil lives, run the chance of being arrested and kill a chicken to gain 20 minutes for which you have no use when you get them.

GLASS OF WATER

Upset Her.

People who don't know about food should never be allowed to feed persons with weak stomachs.

Sometime ago a young woman who lives in Me. had an attack of scarlet fever, and when convalescing was permitted to eat anything she wanted. Indiscriminate feeding soon put her back in bed with severe stomach and kidney trouble.

"There I stayed," she says, "three months, with my stomach in such condition that I could take only a few teaspoonfuls of milk or beef juice at a time. Finally Grape-Nuts was brought to my attention and I asked my doctor if I might eat it. He said, 'yes,' and I commenced at once.

"The food did me good from the start and I was soon out of bed and recovered from the stomach trouble. I have gained ten pounds and am able to do all household duties, some days sitting down only long enough to eat my meals. I can eat anything that one ought to eat, but I still continue to eat Grape-Nuts at breakfast and supper and like it better every day.

"Considering that I could stand only a short time, and that a glass of water seemed 'so heavy,' I am fully satisfied that Grape-Nuts has been everything to me and that my return to health is due to it.

"I have told several friends having nervous or stomach trouble what Grape-Nuts did for me and in every case they speak highly of the food."

"There's a Reason." Name given by Postum Co., Battle Creek, Mich.

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest.

LOST HER FAITH IN BOOKS

How Small Marian's Mind Underwent a Complete Revision as to the Abodes of Kings.

Marian has an open mind and is always willing to have opinions she has framed, changed.

"Mamma," she said, looking up from a book of fairy tales, "do you know that castles are solid gold and have solid gold furniture?"

"Those are fairy castles," replied mother. "Real castles are built of brick and stone, and the furniture is very fine, but not of gold."

A few minutes elapsed.

"Say, mamma, you can't believe anything you read in these books, can you? I'll bet a lot of real poor kings live in shacks and don't even keep a hired girl."—Indianapolis News.

HOW TO HEAL ITCHING, BURNING SKIN DISEASES

A Baltimore doctor suggests this simple, but reliable and inexpensive, home treatment for people suffering with eczema, ringworm, rashes and similar itching, burning skin troubles.

At any reliable druggist's get a jar of Resinol Ointment and a cake of Resinol Soap. These are not at all expensive. With the Resinol Soap and warm water bathe the affected parts thoroughly, until they are free from crusts and the skin is softened. Dry very gently, spread on a thin layer of the Resinol Ointment, and cover with a light bandage—if necessary to protect the clothing. This should be done twice a day. Usually the distressing itching and burning stop with the first treatment, and the skin soon becomes clear and healthy again.—Adv.

Ouch!

He—I would die for you.
She—Well, what are you waiting for?

Important to Mothers

Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it bears the Signature of *Dr. J. C. Fletcher*

In Use for Over 30 Years. Children Cry for Fletcher's Castoria.

A glass of liquor is the toper's spiritual comfort.

The absent are always in the wrong.

KOVERALLS

Reg. U.S. Pat. Off.

Keep Kids Kleen

The most practical, healthful, playmate garments ever invented for children 1 to 10 years of age. Made in one piece with drop back. Easily slipped on or off. Easily washed. No tight elastic bands to stop circulation. Made in blue denim, and blue and white hickory stripes for all the year round. Also lighter weight, fast-color material in black, blue, cadet blue, tan or dark red for summer wear. All appreciably trimmed with fast-color galassa. Made in Dutch neck with elbow sleeves and high neck and long sleeves.

75c the suit

If your dealer cannot supply you, we will send them, charges prepaid on receipt of price, 75c each.

A NEW FREE If They

Bearded Imitations. Look for the Two Horses on the Label.

Made by Levi Strauss & Co., San Francisco

Awarded GRAND PRIZE at the P.P.E.

DAISY FLY KILLER

placed anywhere, attracts and kills all flies. Heat, clean, or natural, convenient, cheap. Lasts all season. Made of metal, can't melt or warp. Will not soil or injure anything. Guaranteed effective. All dealers or direct express paid for \$1.00.

RAKOLD BOMERS, 150 De Kalb Ave., Brooklyn, N. Y.

BEE SUPPLIES

of best quality, at lower prices than you can buy same goods elsewhere. Write for free illustrated catalogue. The Colorado Honey Producers Ass'n, 1424 Market Street, Denver, Colo.

WANTED—1,000 LADIES to send for free trial package of aprons, draping, etc.

See Emma Apron Co., 4 Wilson Apt., Toledo, O.

SWAMP-ROOT

Is not recommended for every disease, but if you have kidney, liver or bladder trouble it may be found just the remedy you need. At druggists in fifty-cent and dollar sizes. You may receive a sample size bottle of this reliable medicine by Parcel Post, also pamphlet telling about it.

Address Dr. Klinger & Co., Birmingham, N. Y., and enclose ten cents, also mention this paper.

W. N. U., Salt Lake City, No. 20-1015.