

What the World Is Doing

AS SEEN BY POPULAR MECHANICS MAGAZINE

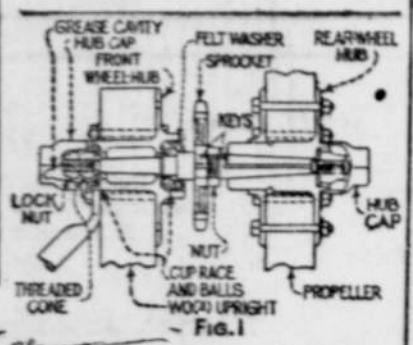
Aero-Propeller Shaft Installations

DESIGNERS and builders of aero-propeller-driven craft, such as sleds and boats, are often handicapped by the lack of a suitable but cheap method of installing the propeller shaft. If advantage is taken of standard automobile parts, however, a very neat and close-coupled arrangement, which will give good service and operate efficiently, can be made at a minimum of cost and labor.

Front and rear-wheel hubs from a light car are used to form the main parts of the installation together with a special shaft and a couple of sprockets. The shaft design is a combination of that of a front-axle spindle and the outer end of a rear-axle spindle or shaft. Between the two parts is a pad or shoulder for the seat of the driven sprocket.

The shaft must be carefully and accurately

The front wheel hub, minus the outer flange, is then slipped on, the ball cones adjusted so as to allow the shaft to run freely without any shake, and the locknut tightened and fastened with a cotter pin. The regular hub cap is used, filled with good grease, just as in the car.



of 1/2-in. diameter, the sliding flange allowing for a wide variation in the thickness of propeller hubs. A hub cap is screwed on the forward side of the hub, to present a neat and finished appearance.

The key that holds the sprocket should be large and set deeply, as it carries all the motor torque.

Two heavy wooden uprights, meeting at the top to form an inverted vee, are bolted to the sills of the frame, and straddle the body of the front-wheel hub as shown. Four 3/4-in. bolts hold the tops of the uprights firmly to the hub. Angular braces, made of 2-in. pipe, are also fitted, the ends being flattened and drilled for the bolts. The propeller should be balanced before installation, to insure vibrationless running.

The hub cap should be filled with good grease to insure perfect lubrication, and refilled at frequent intervals.

Use of Gas to Trap Animals Is Suggested by Edison

At the suggestion of Thomas A. Edison, the inventor, army experts are seeking to devise some means for using poison gas in connection with trapping so that wild animals will be instantly killed instead of lingering for hours in torture. The use of electricity in the traps was declared to be commercially impractical. Therefore, it was suggested that a chemical might be so placed as to be released when the trap was sprung.

Million Homes for Workmen Needed in the U. S.

About 1,000,000 more houses are needed in the United States to relieve the present shortage, investigators studying the problem report. In spite of the various "building booms" in many parts of the country, only one city shows a surplus of residence buildings. It is held that the type of houses for the workman must be changed, so as to bring about cheaper construction. This alone, it is said, would increase the proportion of home-owners by 30 per cent. Building codes, it is contended, must also be modernized.

Rich Fabrics in Coats and Capes

Alluring Colors Add to Attractiveness of New Evening Wraps.

Fashion has been an engaging subject ever since the beginning of history, and will continue to be until woman ceases to play her traditional role of beauty. Pending the arrival of that sad day, observes a fashion writer in the New York Times, fashion remains of sufficient importance to enlist the talents and the enterprise of a vast and busy army of artists, artisans and merchants.

It is entertaining to watch the evolution of styles and the extremes to which the changes swing. In one season the gown is of conspicuous significance, and when the mode proves to be popular, it lasts, with variations.



An Original Model in Ciel Blue Velvet Bordered All Around With Chinchilla and Lined With Orchid Satin.

through several seasons. Millinery and wraps are secondary. They are mere accompaniments of the dress. Another year, the fashion in gowns having become simplified, styles in wraps, furs or accessories are elaborated and featured by designers. It is all a question of values, and the best artist in dress follows the same principle as that on which an architect or a painter works.

From the rich fabrics and fine detail of a few years ago taste reverted to plain materials and gentle modes. The whalebone and crinoline of modern Paris gave way to the classic Greek in lines, and somehow figured stuffs had no place in the catalogue of fashions. The whole feeling was for simplicity; the gamut was run and the subject became irksome. Then swiftly the women of fashion arrived at the present moment of violent colors and gorgeous stuffs—American women, they say, leading the world in beauty and extravagance of dress.

With costly gowns one must wear correspondingly splendid wraps and furs. A cape of satin or velvet, with a fur collar such as was quite the thing but a little while ago, is the utility wrap of the season, the sort that serves for morning or outing. For a gown of dazzling metal brocade or shimmering lace, with girdles and even shoes jewel-studded, and accessories fit for the toilet of an empress, the wrap must be of brocade of equal richness, with lining and trimming to harmonize.

For midwinter evening wear and for daytime formal occasions fur wraps are exceedingly popular, so they are very choice—sable or ermine or chinchilla, with a decided preference for chinchilla, the price of which has soared to dizzy heights. But for the most elaborate gowns one must have a covering made of one of the new materials, in light or bright colors—and in these the designers have created some models of great beauty.

Dolman Much in Evidence. An exclusive New York house has presented some melting creations emanating from the ateliers of Paris, in which artists have been inspired by the many alluring colors shown in the materials. Some of the combinations are a joy to see and to wear. In the styles, the wrap-around, wide sleeve, full length dolman is the most usual. But lately new lines and features have been developed, and the garments depart from the simpler cut and become more complex.

All of the latest Paris wraps are long, some just brushing the floor as the wearer moves. A popular model that has decided cachet is the straight coat, instep length, with wide sleeves slightly flaring and drooping over the hand. From the high fur collar at the back a cape falls to several inches below the waistline. The wrap is built of corn-yellow and gold satin brocade, with a lining of velvet in a deeper yellow, and the collar and deep cuffs are of brown fur.

In another evening wrap the order of materials is reversed. Aquamarine blue velvet in a solid color is lined with a gay satin brocade, blue and rose and silver. An enveloping collar is of black fox, and the sleeves, untrimmed, end in a wide, flaring cuff

that sweeps away from the arm just below the elbow. This charming garment is fastened at one side with a superb ornament of aquamarines and diamonds, with strands of crystal and blue beads forming a fringe ten inches long.

A lovely shade of mauve velvet is modeled into an evening wrap having a deep plaited yoke, from the bottom of which falls a flounce, like a full cape. The collar is high, flaring at the back and with a slight roll in the front, and is trimmed with three rows of narrow ermine. This fur also outlines the lower edge of the yoke of plait. The lining is of brocade satin in pale blue, violet and silver, and the wrap, which is wide and full, is slipper length.

Among the new models in evening wraps that come from Paris houses of authority, some are important for their artistic quality and because they establish modes that are entirely new. Fourreurs Max create a cape as full, long and enveloping as a nun's. The original is of ivory Salome velvet, gathered slightly on the shallow yoke, from which it falls in full circular form to the floor. A collar formed like a monk's hood, reversed, stands high about the head. It is faced and trimmed with a deep band of black fox, which extends down each side of the cape, opening in front and around the bottom. The lining is rose-colored.

Sleeves With Wide Flare. A prominent New York couturier has translated this idea into ciel blue velvet with bands of chinchilla, and lined the wrap with orchid satin—a charmingly esthetic combination.

A long voluminous dolman of black velvet brocade from this same Paris designer has sleeves that flare to the width of almost a yard and a shawl collar of black fox. The lining throughout is of ermine. Chanel has produced some very happy things in overgarments for evening, one of his models being named by its importer a "perfect creation." This is of brocade, a weave of metal and silk combining gold, silver, flame and orange in a manner indescribably lovely. The lining is of canary velvet and the collar and the deep cuffs are of natural lynx. Another of Chanel's ideas is worked out in black velvet; a deep cape slashed at the sides and made slipper length, a voluminous cow-shaped collar, lining and band all about the edges emphasizing the popularity of black-and-white combinations.

Drecoli reveals in the metal brocades, which he employs in some superb wraps. One that is long and clinging is Chinese in feeling, green, scarlet and gold, with a lining of scarlet velvet, and broad bands of black fox forming the collar and hem trimming. Drecoli's most emphatic novelty is made but three-quarter length, dolman in shape, lined and trimmed with silky black fox.

Cheerful, too, is fond of the brilliant metallic brocades, and has established a charming conservative model of rose and silver in large floral design, with a lining of white velvet and a collar of black fox that is both deep and wide. That this season's novelty materials will retain their popularity is assured by the advance models, indicating that wraps for the European and the American Riviera will be but lighter phases of the winter styles.

Negligees in Dainty Colors. In response to the present-day demand for clothes of delicate and luxurious character, a prominent importer offers some negligees of satin and



Drecoli Expresses Richness of Color and Material With the New Metal Brocades and a Collar of Sable.

chiffon velvet, in dainty colors, lined throughout with marabou, which forms a collar and trimming along the hem. Nothing more exquisitely dainty can be fancied than one of these robes of pale rose satin, with its down rose inner side; or one of yellow velvet, lined with marabou, the same shade. This house suggests also the petticoats, stockings and boudoir slippers in new and delightful styles that are to be worn with these gowns, and are showing even ornaments among the suitable accessories.

Speaking of accessories, one of the best-known designers in Paris declares that the modern woman is just beginning to learn their significance and how to use them, and is finding this a source of much diversion.



A model for every kitchen. LANG models are made in a size and type for every stove use. Every patented feature is absolutely original and exclusive. Every woman who has used a LANG knows what real pleasure kitchen work can be. Fuel lasts longer, heat distributes more evenly, baking is more perfect. Also the LANG fits in with the surroundings of every kitchen—a good-looking and durable.

Call at our store and show you one of the latest ranges. A demonstration will be a treat.

C. F. T. Company
200—South Sixth St.—211
GRANTS PASS, ORE.

STOVES LANG RANGES

DEATH

Is often caused by poor plumbing. Why take a chance? Our plumbing is guaranteed to comply with city and state laws.

MATTHEWS & ELLIOTT
With Valley Hardware Phone 14-R

Mary Succeeds on Main Street
By LAURA MILLER

THE WOMAN PRO OFFICER

Back in 1873-4 when the first prohibition movement swept America, Mrs. Georgianna Hopley went out with the Bucyrus group to clean up that Ohio town. Her husband, John Hopley, was editor of the Bucyrus Journal. Of their children seven are now active newspaper men and women.

The eighth, Georgianna Hopley, has graduated from newspaper work into a job that combines the ambitions of both mother and father. She writes on the letterhead of the United States Treasury department and signs "General Prohibition Agent, Constructive Information Bureau, Prohibition Unit," and with a flash of humor recently added, "That's all."

She is said to have been the first woman in Ohio to enter active newspaper work. In 1900 Governor Nash appointed her representative of Ohio women at the Paris exposition. She remained abroad for many months and has since made frequent trips to England and France. As women have become more and more active in politics she has given much of her time to political publicity campaigns.

Whatever else Miss Hopley's business cards say they always have in the lower left-hand corner, Home Address, Bucyrus, Ohio. "It isn't civic pride alone that makes up my loyalty to the old home town," she insists. "Bucyrus is always on the map!"

A large part of her work for the prohibition unit consists in public speaking. Reporters who have followed her to the fact that she is broad-minded, with all her enthusiasm for prohibition. She comes with official power, they say, but she is content to let the question rest with the public. She is spending her time just "telling folks about it." She tells them what the enforcement forces are doing. She tells them what great obstacles have been thrown in the way. She pictures those which are used maliciously and those used by the uninformed and the unintelligent.

Controlling the malicious wet forces isn't the part of the job that this skilled newspaper woman is interested in. Education of those who are uninformed and indifferent carries to Georgianna Hopley the thrill of being as practical as a shoe-selling campaign and as idealistic as the dreams of her mother.

The KITCHEN CABINET

Character is power—is influence: It makes friends, creates funds, draws patronage and support and opens an easy way to wealth, honor and happiness.

SEASONABLE DISHES

This is the season of the year when we are beginning to have the fresh green vegetables—spinach, turnips, onions and other greens.

Spinach.—Wash spinach until perfectly clean and put to cook with only the water tender, season well with butter, pepper and salt and serve garnished with eighth of hard-cooked eggs.

Scalloped Chicken and Corn.—Use the remnants of cold fowl free from bones and gristle. For each cupful of meat take one cupful of corn and one cupful of cream sauce, then arrange in layers in a buttered baking-dish. Cover with buttered crumbs and bake until the crumbs are brown.

Sweetbreads a la Newburg.—Parboil a pair of sweetbreads half an hour in water with a bay leaf. Drain, remove the membranes and cut into small dice. Chop fine one-half cupful of mushrooms. Beat three eggs yolk, add salt and paprika and two tablespoonfuls of lemon juice, one tablespoonful of Worcestershire sauce and stir until they cream. Put into heated ramekins and serve very hot.

Mocha Cakes.—Cream one-third of a cupful of butter with one cupful of sugar and add two well-beaten eggs; add one cupful of strong coffee infusion and one-half teaspoonful of vanilla; then stir in two cupfuls of flour sifted with two teaspoonfuls of baking powder. Fold in the stiffly beaten whites of the eggs and bake in sheets. When cold cut into desired shapes, cover with frosting and roll the sides in coconut.

Apples With Pork Roast.—Core, peel and stuff with bread crumbs and raisins finely chopped enough apples to serve each one. Add butter to the bread crumbs and a little spice if desired. Place around the roast and baste while the meat is roasting with the fat from the pan.

Mocha Frosting.—Stir two tablespoonfuls of hot coffee into as much powdered sugar as will make it of a consistency to spread. Strong cocoa may be used instead of coffee if desired.

ANCIENT RIVER MINE TO START OPERATIONS

Rogue River, Ore., Mar. 13.—

J. D. Taylor, former manager of the Ancient River Mining and Milling company, arrived in Rogue River recently, accompanied by H. A. Erskine, a young man from England, whose relatives are interested in the mining company. Mr. Erskine, while white proud of his family relations, as they exist in the old country, regrets very much that he has been heralded as a youth who has departed from the family tradition, when he said it was his intention to perform manual labor at the mine. We are much impressed with the young man's appearance; he looks "just human" to us, is congenial, friendly, likes to hunt and fish, and we venture the assertion that before long he will be working and doing his part in connection with the mining company's business with the same energy and competency as any good American citizen. Mr. Taylor says he feels just one hundred percent better than he did when he left here, the principal reason being the fact that he married while in England. Miss Day became Mrs. Taylor, and the records show that she is a grand-daughter of ex-Prime Minister Percival of England, who was assassinated in the lobby of the House of Commons. Mr. Taylor had an active part in the late political upheaval in Great Britain, and in a short time will give a talk to the members of the Portland Chamber of Commerce on political parties in Great Britain, and the lesson the United States could learn. Mr. Taylor assures us that the Americans and English representing the capital in the Ancient River Mining company are working together in harmony to make the business a success. He says, "Mr. Reed, the Medford, Minnesota engineer, will handle the gravel end, I will look after the gold end, and Mr. Erskine will have charge of the office and detail work." This is a fine combination, and we are looking forward to active work being resumed within the next two weeks.

A fine seven-pound baby boy arrived last Monday morning to gladden the hearts of his parents, Mr. and Mrs. R. E. Banks. The city council met in regular session last Monday night, and in addition to transacting the usual routine of business, the bid of the Paul Electric company of Medford was accepted for pipe to be used in extensions from the present water system. Three units of the system will be extended, one from Cedar street to the east line of the A. L. Love property, one from Main street south to the city pound, and one from

the Myers place north to the Webb place on Pine street. Treated wood pipe will be used on these extensions. The health and sanitary committee was instructed to appoint a secretary and have the appointment licensed and confirmed as city health officer by the State health officer. This was made necessary on account of numerous complaints being made of places being maintained in unsanitary condition.

The high school basketball team is preparing to play the final games of the season at Phoenix next Friday and Saturday nights. The schools determined that Phoenix, Butte Falls, Jacksonville and Rogue River were contenders for the trophy and decided to play at Phoenix, Jacksonville versus Rogue River in one game; Phoenix versus Butte Falls in another game Friday night, the winners of this contest to play Saturday night for the trophy. We expect our boys to win.

Last Monday night about thirty of our people here went to Gold Hill where the Rogue River chapter of Camp Fire Girls put on a demonstration. Everybody was well pleased with the girls' work and much favorable comment was heard. After the demonstration, Mr. Bell of Gold Hill invited the Rogue River visitors to his beautiful home and served them with refreshments. At this gathering several of the Rogue River and Gold Hill people made nice talks, and it is hoped that other gatherings of this kind can be arranged, as it is a great element in fostering agreeable community interchange of ideas.

J. Meece has been seriously sick for some time, but the last few days has shown signs of improvement. Mrs. W. S. Cary, who, with her mother, Mrs. Aldrich, has been visiting relatives and friends in Portland and Newberg for several weeks, returned to her home last week. Mrs. Aldrich will remain in the northern part of the state for an indefinite period.

The Ladies Circle of the Presbyterian church held a special meeting at the home of Mrs. Frances Webb and her mother on Friday of last week. Almost the entire membership was present, the occasion being the election of officers for the coming year. The officers elected are as follows: Mrs. F. W. Clark, president; Mrs. A. R. Brashear, vice president; Mrs. Wm. Lee Gray, secretary-treasurer. A very enjoyable afternoon was spent, during which the hostesses served most delicious refreshments.

On Friday evening, March 21st, the members of the Ladies Circle will give a social at the Community Hall. Each lady will demonstrate by pantomime how she earned a dollar. A good program and refreshments will be furnished, the admission price for all being twenty-five cents for adults and ten cents for children.

MODERN HITCHING POST



Although the motor has largely supplanted the horse, he still has his uses and competition from the automobile will never teach the horse as a class, to stand still without being tied. Here is a neat and sturdy hitching post that can't be dragged away. Moreover it is slightly and easily built by filling a form with concrete and inserting a hitching ring in the proper position.

TO BE BEST LIGHTED CITY

Ablene, Tex., Installing Street System That Will Rival That of Any Other Town.

Among towns of 15,000 population Abilene, Tex., lays claim to holding the laurel wreath as the best illuminated community in the Southwest, and perhaps in the whole United States. Resulting from a lively community movement, a street lighting system that will cost \$20,000 a year to operate is being put in, to maintain which the city will spend about 8 cents out of every taxed dollar.

The installation is to be of the white way type and the lighting units will number 250. The material will require five carloads to bring it to the city, one carload for the units, one for the 60,000 feet of cable, one for the iron posts for brackets and two for the 350 ornamental posts.

Sevres Blue.

For a long time it was believed that the famous blue color given to the porcelain manufactured at Sevres, in France, was the result of a secret process and there were many legends in regard thereto. It has been proved, however, that it is an error to suppose that Sevres blue cannot be reproduced elsewhere. As a matter of fact, it is produced in many French potteries where sufficient care is taken and where pure oxide of cobalt is employed. Formerly it was difficult to procure this article free from certain impurities that injured the color, but chemical science has overcome all the difficulties. The same is true of the Chinese green known as celadon. It was invented in China, but it can be perfectly reproduced elsewhere.

Mary Garden, the famous prima donna, has kept the same maid for 14 years.