NOBTHWESTERN. LOUP CITY. NERRASKA



SUP and HIS ELECTRICAL DOG HE old rule that sons of

able men don't amount to much is ill observed in the United States. A notable case in point is John Hays Hammond, Jr., son of the mining engineer and financier. Just at present young

Hammond is getting greater publicity than his father. It seems probable that the German army technicians have appropriated his thermit shell, which will gunw its way through steel girders. His wireless-controlled torpedo for harbor defense is about to be adopted by the United States military services He will probably sit some day on Secretary of the Navy Daniels' new board of investors, with Edison and Ford and Steinmetr.

This is considerable progress for even a young American to make in five years out of college. Hammond follows right after his dad in that unofficial gazette of celebrities, "Who's Who in America." We learn there that the inventor was born in Sar Francisco April 13, 1888. He is there fore twenty-seven years old.

Hammond is a hard-bitten young American, to use a phrase of Sir Arthur Comm Doyle. Just at the "tango age," when with his father's great wealth he could cut a wide swath in ray and frivolous society, he has devoted his days and nights to abstruse calculations, endless blueprints and spottering dynamics.

His keen, lean face and spare figure remind one much of Henry Ford. Both men are hard-headed, practical Yankees, without a bit of fuss or pafaver about them.

Reading further in our "Who's Who," we find that in 1912, two years after his graduation from the Sheffield Scientific school of Yale university. Mr. Hammond was a delegate by appointment of the United States government to the Radio-Telegraphic consyntion at London.

He is, moreover, the treasurer and chairman of the committee on membership of the Institute of Radio-Engineers, a member of the advisory committee of the aerodynamic isboratory of the Smithsonian institution, and a He demonstrated that he could con- so affected by the light that it pursues condition of the surface will permit. of London.

cise angle he desired.

WIRELESS -DIRECTED BOAT "KATALIE

er's island, Long Island sound, and heit, the greatest artificial heat known here all the testwork in torpedo units except the electric arc. will be carried out.

The war department is keeping very mum on the subject. It is not regard- duces deadly hydrocyanic gas, or prused as desirable that any official pub- sic acid.

licity be sought, especially as agents of the belligerent European powers battleship or a fort, a small bursting are ever ready to grab up any new de- charge cracks the shell. The prussic vice which seems to promise use in acid gas prevents approach. The therwarfare.

however, that the army officers of the will instantly set fire to anything incommission which visited Gloucester flammable, or eat through a battlewere enthusiastic when they returned here. They saw Mr. Hammond put ocean.

through its paces without a single failure to respond to radio control.

either side is a selenium disk, which is used as soon after each rain as the

member of the Royal Society of Arts trol the Natalia for the ordinary range a visitor until he puts out his lantern. The job was quickly finished and the of vision, which is about eight miles

"Yes," replied Farmer Corntossel "A habit's a habit." "But you don't drink them!"

"I don't want it. I am willing to

where the dras

Book of the American Highways asso | It also is the safest.

ging is carried on throughout the year.

BUILDING MORE GOOD ROADS

America Now Has 6.000 Miles More of

Improved Highways Than France-

Total Now 31.000 Miles.

has 6,000 miles more of good roads

than France, the total for this country

Of this 5,000 miles were built in 1912

New Jersey was the pioneer state to

provide state aid for public highways

Those Interested in Work Will Find

Joint Congressional Committee

Report Quite Handy.

Persons interested in the good roads

problem, either from the engineering

or the legislative standpoint, will find

th; report of the joint congressional

committee on federal aid to good roads

a convenient source of information. It

not only contains the most extensive

data ever published on this subject.

but contains a bibliography which

gives a list of books, pamphlets and speeches on Ill phases of the good

roads problem. The report is printed

as house document 1510, Sixty-third

congress, third session, and copies may

be secured by application to members

and about 6,000 in 1914, making a total

now amounting to 31,000 miles

of the good roads of the country.

According to the Good Roads Year

of burden in the general direction of the trough containing aqua distilla may prove to be one of comparative ease, but the process of inducing the the content

she can demean herself.

with three years still to go to the tance of control is limited only by the of full speed.

done most of his work in the more the Hammond invention: inspiring and less distracting atmosand overlooking the water at Glouces- ships by mortar fire falling vertically important experiments which may against the side, turret and barbette mean much to America some day in armor and by mines and radio-conrepelling a powerful enemy.

automatics, as the branch of electri- ing with the wireless control of the mouns of allreless agres.

Mr. Hammond is not the first person tralize or disarrange the messages to constrol a water craft at a distance from the shore. The experiments con-

impossible to prevent the interference victim to stop a torpedo. of a hostile wireless apparatus.

boat or torpedo making 23 knots, or a few feet below the surface or a hy-28 milies an hour. Wireless transmit- droplane traveling at immense speed ters much more powerful than his own on the surface of the water. have tried in vain to check the direc- Mr. Hammond's second important tion of his boat.

recently announced, has recommended by a traitorous German employee of that the Hammond system be pur- his and is now being used in the war chased by this government and be in Europe. kept as an American secret.

money a number of wireless plants mite, oxide of fron and finely divided and torpedo units to be directed by aluminum are brought together inside radio will be constructed. One of the it and unite, with the production of a

Poetry and Noses.

All this Mr. Hammond has done on the ocean surface. Indeed, the dis-Dared Them to Shoot Him. In 1864 Colonel Daniels of the Sev- Possibly the most marked improvethirty mark-not by being an infant power of the high radio station. He enth Rhode Island became unpopular ment from the use of the road drag prodigy, but by hard work, by driving used a five-kilowatt station. A big with some of his command, and a will result from the early spring dragevery nerve and fiber of his wiry body battleship carries a station of from rumor spread that he would be shot at ging. thirty to fifty kilowatts. the next engagement. He heard of it.

Mr. Hammond has an office in lower Gen. E. M. Weaver, chief of the It was customary when guns had been Broadway, New York city, but has coast artillery corps, said in regard to loaded for some time to have them discharged into some convenient bank, "If such a means of attack were and Colonel Daniels took advantage of phere of a heautiful little slate-roofed added to those we now have we would this. Marching his regiment out with laboratory situated in the side of a then be able to attack an enemy's loaded rifles, he faced them toward a suitable elevation, and, taking position ter, Mass. Here he has conducted the on the decks of the ships, by gunfire on the top of it and in front at them as at dress parade, he gave the commands "Ready!" "Aim!" "Fire!" and ciation, recently issued, America now the pieces were discharged.

trolled torpedo below water." Nikola Tesla was the pioneer in tel- To test the possibility of interfer-Needless to say, any man could have shot him with little danger of discal science to which Mr. Hammend Natalia the Dolphin, which has the covery and needless to say also, none has denoted himself is called. Tel- best radio-transmitting apparatus in of them did. There were no more unicompties is the control of mechani- the United States navy, was sent to threats of that kind in his regiment - of over one-third of the entire mileage cal movements at a great distance by Gloucester, and by breaking in with "Recollections of a Varied Career." her powerful waves attempted to neu-

Origin of War Terms.

in 1891, and Massachusetts and Con-With the exception of shrapnel, by wireless. But he is the first man tinued many hours. Throughout all named after its inventor, an English necticut soon followed, but it is only to do this effectively. He has taken this time the little Natalia darted colonel, there are very few war terms during the last ten years that the state out more than one hundred patents to about under perfect control, while the now in use which have a British aid policy has been in effect to any considerable extent. protect his inventions. Incidentally Dolphin operator tried in vain to fath- origin. "Grenadier" is generally suphe has spent \$56,000 in experiments. om the secret and send out ether posed to come from the French. The Until Mr. Hammond improved on vibrations which would confuse her. word is, however, of German birth, PHASES OF ROAD PROBLEM

the previous devices, it was not pos- Not until the Dolphin was only 230 and originally was "grenatier," the while to guide by wireless a torpedo feet distant from the Natalia could force owing their name to the handmaking a greater speed than eight the shore control be affected. That grenades with which they were armed. miles an nour, and even then it was would be too close for its battleship The word "musket" has an Italian derivation-"moschetto," which was re-

It is suggested that the final form ally a species of small sparrow-hawk. The young inventor has solved both the radio-directed torpedo may take I: ancient times and in the middle these difficulties. He can control a will be that of a submarine running ages the name musket was used to designate a small mortar which threw arrows. When gunpowder was invented a small cannon was baptized

"musket," and later the rifle of the device is the thermite shell, which he ordinary infantryman earned the The secretary of war, Mr. Hammond says was handed over to the Germans name, while the whole unit was called "musketeers."

Convenience.

"Yes," said the artist; "I once lived As Hammond's projectile flies If congress will appropriate the through the air the composites of ther- in a little room on the top floor." "How nice: ' exclaimed the girl who flight up to the roof garden!"

shaped perfect chin" all receive their

I have read that no poem azs ever due of praise; the nose, a seeming newritten to a nose. Can you, offhand, cessity in any profile, is not even men tion of a girl's profile against a back- face .- The Atlantic, ground of gold. The "matchless mold" of softly parted lips, the neck "three

interested me by neglect. You re- he would produce the effect too often

in this way is able to point his rifle

The custom among women of our

If it is anything he has paid to hear, full-bloods left on any of the reserfingers might sorround," and the "fruit- the average man believes it is true.

Flashlight for Rifles.

intended for point-blank firing at almost as one would the nozzle of a dose range, a finshlight equipment has bose, for upon firing, his bullet will been devised for high-power rifles strike the point indicated by the character. Just enough light is diffused which simplifies the aiming of a weapon when it is used for shooting wild outside of the plane of the "T" shaft, beasts after dark. Unlike other light- says Popular Mechanics, to illuminate ing apparatus heretofore introduced dimly a small field and show the outfor night hunting, the beam of light line of an animal. has the shape of an inverted letter "T." This character is brilliantly em-

anoned upon whatever object the town is to take two handkerchiefs to shaft of light strikes, as, for instance, a funeral. But Mrs. Tug Watts never the shoulder of a lioness. The bunter takes fewer than four.

course, will not be extinct within the recall a single rapturous or even ad- tioned. It may be as well; each read- life of any person now living, but it miring description of one? I search er supplies in the lovely face the line will not be more than a century when ter, consequently are rough and unmy memory in vain, but produce in- that suits, him best. The poet may the original American will have passed even all winter. Do the road work stend one instance that has always have feared that by its mere mention off this continent. There are enough early. call that little poem of Brownings, A given by the nese in real life-a heavi- keep up the full-blood line for 100 Face, the brief and charming descrip- ness that mars an otherwise charming vears, but tuberculosis and the change of environment have done their work. until now there are comparatively few

vations.

younger."

I want to play golf."

Indians left on the reservations to

Dollars and Age.

Does it make me look younger?" asked

the woman in the millinery shop.

"And how does this hat look on me!

"Ah, madam," replied the modiste

"it makes you look thirty dollars

The True Significance. "Why do you keep that sign over your desk, 'This Is My Busy Day'?"

"So that people won't hang around

and try to transact business when

quire richest soils and best culture. Of all farm work it pays best for work done, and suffers most from neglect.

Grafting Tomatoes. A Michigan gardener has been graftng tomatoes on egg plants and red peppers. He began this experiment in 1898, and his first achievement was called the Kaiser. The Kaiser often produces fruit weighing one and a half to two pounds, and will yield a bushel to the plant, on suitable soil.

To Cure Hog Cholera. The only way to cure hog cholera is to prevent it. This might be said of ost any disease, human, bovine or

chew."	Wasn't on the Map. Little Lemuel-Say, paw, what state	thereof is often a matter of conjec- ture, to be determined only by the
Quite a Hint. The Guest-Your wife is such a handsome woman. I should think you'd be jealous of her. The Host-I am. And for that rea- son I never invite any man here that any sane woman would take a fancy to.	is Effigy in? Paw-Effigy! Why I don't believe	avowed inclination of the animal in question.—Judge. Office Chatter. "How do you like your job?" asked the inkwell. "It's dirty work," replied the new blotter. "Still it's rather absorbing."
Frankly admitting that the baby re- sembles its father is the shortest way.		A man goes to the table to eat. A woman to demonstrate how gracefully

ever become bankrupt .-- Judge.

tume."

"It's a beauty," admitted her hus-

band. "Why don't you buy another

one to wear over your street cos-

Plast



No Indians in 100 Years.

For Best Results.

of congress.

The fruit and vegetable garden re-

reads about the gay life. "Only one The American full-blooded Indian, of

Do Road Work Early. For good roads the work should be done in the spring and early summer. if possible. Roads worked in the late fall don't get time to settle before win-