#### INVENTORS OF BIG THINGS |

United States Leads the World in the Matter of Making Scientific Discoveries.

#### ENGLAND IS A POOR SECOND

Some belligerent person who didn't have anything else to do started a newspaper row, recently, as to which of the great civilized countries had produced the greatest inventions. It began with a gentle spear-tilling between advocates of German progress and persons who wished to demonstrate that the Germans did not have any monopoly on inventive genius, says the St. Louis Post-Dispatch.

It all might have been avoided if the nbatanta had only taken the trouble to consult the encyclopedias in the reference room of any library. Here, for the mere trouble of looking, any person could have discovered in a few minutes that the United States far outranks all other nations. For out of sixty-six epoch-making inventions twenty-nine of them were made in this country. Enggland comes next with seventeen, France third with ten. Germany fourth with five, Italy fifth with two, and Brazil, Sweden and Austria with one each, Improve Every Process,

In this catalogue a sharp distinction is drawn between the discovery of a scientific principle and the application of that principle in a successful mechanical device. in other words, the things counted are only the first practical developments of great scientific principles. scientific discoveries were classed as inventions, German genius would make a far better showing than it has in this list. German chemiets have perfected processes now used throughout the industrial world and have improved almost every process they have taken in hand. But a discovery, such as radlum, is not the same thing as an invention, such as the phonograph. The Germans, who have been pioneers in many frontiers of science, have neglected, relatively, that of mechanical in-The oldest invention catalogued in this

list was the product of El Torricelli, an Italian. Before his time mariners had very unsatisfactory means of forecasting great weather disturbances. By the application of a few well-understood scientiffic principles and the evolution of new ones Torricelli produced the barometer. This was in 1663.

The thermometer is an article of household necessity nowadays, yet, curiously enough, the first thermometer was not natructed until 1709, sixty-six years after Torricelli's barometer appeared. Itainventor was a Prussian named Fahrenbett, whose name today distinguishes the eters in common use in the United

Ben and His Kite. Every schoolboy knows about Benjamin Franklin and his kite, and every schoolboy knows that Franklin was the first inachievements within the last half cen-

The spinning jenny, which revolutionised methods of cloth weaving, was the invention of an Englishman, J. Harave . Thirty-one years later, in 1794, Whitney, an American, invented the notion gin. A igreat part of the early manufacturing prosperity of our own puntry had its origin in these creations. tite is Jamie Watt's teakettle. If the former was the beginning of modern elec-trical mechanics, the latter was the besinning of modern power development, and Watts is immortal as the inventor of

Raised letters for the skilled fingers of the blind is often considered a modern The fact is that it was pericted in 1784, the inventor being V. Hany of France. About the same time J. Cartright, an Englishman, was workag on a device he completed the followyear, It was the first power loom. J. Jacquard, a Frenchman, invented the first pattern loom in 1801.

Wrights the Bird Men another Frenchman, Montgollier, must be ascribed the invention of the balloon. That was in 1768. It was re than 100 years afterward that two americans, Orville and Wilbur Wright, invented a heavier-than-air machine that uld fly under its own power.

W. Murdoch, an English was the first to provide a practical means for using gas for illumination. Just ninety-five years later Wellsbach, an Austrian, invented the incandescent burners for illuminating gas so commonly in use today over the whole civ-

otion got its first start in England and the United States. It was in 1804 that R. Trevithick, a Briton, made the first steam engine to run on rails. Three years later Robert Fulton, American, built the first steamboat. The ubular locomotice boller was patented 1838 by Sequin, a Frenchman. The first portable steam fire engine was designed by Brathwaite and Ericseon, in England. J. Ericseon invented the first propeller for steamers in the

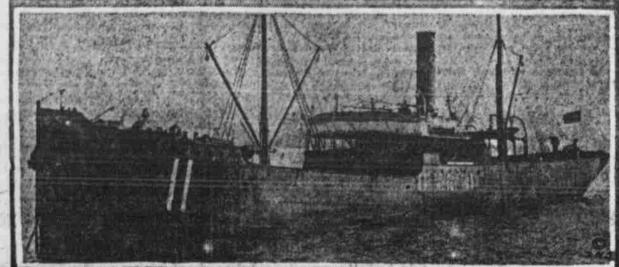
Pirst Steam Hammer. J. Nyssanth perfected the first steam ner in Scotland in 1842. The rotary steam turbine engine was perfected in 1891 by C. Parsons, an Englishman. The development of electrical mechanics has been the source of some of America's

greatest inventive triumphs. H. Davy of Hingland, perfected the first voltaic arc, and M. Faraday of England, in 1831, created the first serviceable magneticnduction apparatus. But the telegraph was invented by Morse, an American, in 1844. The electric locomotive was invented by Page, another American, in 1861. The electric cable was invented by C. Field, foan in 1868. The telephone was invented by A. G. Bell, an American, in fected by L. Foucault, a Frenchman, in our off them. 1844, and the storage battery was in-

stathoscope, in 18th. The next great in- the car was placed in a garage here for on their own side of the international vention of importance to the medical repairs. vention of importance to the medical repairs. world was that of antiseptic surgery, by Lord Lister, a Briton. The X-ray was

ICELAND HERRING CAN NOW BE SERVED ON AMERICAN TABLES-Above is shown railroad agents and government inspectors testing the shipment of 5,000 barrels of herring, and below is the steamer which brought them to the United States last week.





process of vulcanising rubber. H. Bes- TEUTON ARMIES

40CVE - TESTING HERRING SHIPMENT

semer of England, in 1856, invented the Bessemer steel process, and, the followscale of measurements of the ther- ing year, W. H. Perkin, another Englishman, invented the sirst practical aniline dye. Slemens Martin of England, In 1886, invented the open-hearth steel process

The first automatic harvesting machine was perfected in 1834 by M. McCormick, ventor of a lightning conductor. To the an American. The double cylinder printprinter-philosopher goes the credit of ing press, modifications of which are in founding the American School of Inven-tion, which has made so many brilliant the creation of R. Hoe, another American. O. Mergenthaler, another American, by the invention of the linetype, in 1884, revolutionised the printing process throughout the world.

Nor have Americans lasged behind those of other nationalities in perfecting engines of destruction. The first satisfactory revolver was the product of C. Colt of this country. Guncotton was in-Wessen of the United States perfected an American, invented the first armorclad warship, in 1862, the same year in the steam engine. Watts, it will be re- invanted the rapid-fire gun which bears his name. Simon Lake's American submarine was the parent of all the submarines which have proven so effective in

the present wer. This for a German. J. Schultze, a German, invented smokeless powder in 1963. Three years later Whitehead, an American, invented the marins, self-propelling torpedo, "

Some of the other things Americans invented and the year of the invention are: Friction matches, J. Walker, 1827. Typewriter, C. Thurber, 1843. Sewing machine, E. Howe, 1846.

Shoe sewing machine, G. McKay, 1861. Shoe machine, C. Goodyear, 1871. Automatic airbrake, G. Westinghouse, United States.

Portland cement was invented by La Aspdin, England, 1835; mercerised cetton by J. Mercer, England, 1830; the bicycle by E. Michaux, France, 1865, Italy's greatest contribution to applied science was the wireless telegraph, invented by Marconi in 1895. Brazil's great son, Santos-Dumont, in 1991, perfected the first dirigible balloon.

From this summary it will be seen that the ealms of inventive thought and has not had to bow in any before the best prac-tical thinkers of any other nation.

Of all the twenty-nine great invention secribed to Americans only six were de veloped before the year 1836. One American, T. A. Edison, was the inventor of three of the total of sixty-five, leading any other single individual, Faraday of England and Ericsson of the United States being the only others with more than one invention accredited to each.

#### TWO OMAHA MEN IN **AUTO UPSET NEAR MYNARD**

PLATTSMOUTH, Neb., Oct. 30 .- (Special.)-H. G. Walker and Harry Hoff- Carransa garrison of Agua Prieta, Somaster, both of Omaha, were slightly in-jured in an automobile accident near Bosides his 8,000 soldiers. Villa was A tire blow out and the ma- authoratively reported to have twentychine become unmanageable as it was eight field pieces of unknown caliber and nearing a bridge across a shallow creek. efficiency. To oppose him General The auto plunged over the side of the Pelias Calles, the Carransa commander. bridge, tearing off the guard railing, and has approximately 3,700 troops, ten overturned in the mud and water below, of artillery and between thirty and ...y planing the two men under the upturned machine guns. Unless reinforcements Thomas A. Edison, an American, car. They were not able to extricate come over the American side, via Eagle invented the phonograph in 1877; the in-chadescent electric light, in 1878; moving pictures (with M. Luhiere of France), and J. H. McMacken and Walter Tower

As they sweep westward toward Agua The first electric light was per- went to their assistance and pulled the Prieta, the Villa forces must pass near

They were not seriously injured, though hardly a mile north of the border, wher

## MENACE GREAT SERB ARSENAL

(Continued from Page One.) finding an echo in the discussion as to the advisability of creating a British war council to consist of the premier, war secretary and first lord of the admiralty, to have supreme direction of the WRP.

It is reported upofficially that King George, who was injured on Thursday by a fall from his horse, passed a good day yesterday. Russ Army On Way to Bulgaria. COPENHAGEN, Oct. 20.—(Via London.)-Large contingents of Russian

troops have set sail from the Black sea vented by a German, C. Schoubein, in ports of Odessa and Sebastopol for the Equally as well known as Franklin's 1846, twenty-two years before A. Nobel, Bulgarian coast, the Berlin Tageblatt The dispatch telegraphed to the Tageblatt from Bucharest says that the transports are convoyed by a strong The recent attack by Russian warships on the Bulgarian port of

Varna, according to this account, was made in preparation for an attempt to land troops. French Report Gains.
PARIS, Oct. 30.—French progress last night at Bois En Hache and the repulse

of a German attack this morning near Souther are set forth in the official announcement given out by the French war office this afternoon. The text of the communication follows:

"In the Artola district last night we made progress at Bois En Hache and occupied a section of the enemy's

"To the southwest of Souches the Germans this morning undertook an attack in the vicinity of Hill No. 140. They were repulsed by a curtain of fire from the French machine guns.

In the Champagne district the fighting still is going on in the vicinity of the position known as 'La Courtine' with the greatest ferocity. On different occasions, the enemy has endeavored to re-capture from us the trenches we took session of yesterday. These four counter attacks all failed completely before the energetic resistance of our troops, who were successful everywhere in retaining the advances made. "There has been no other important action on the remainder of the front."

## FIRST SKIRMISH

**NEAR AGUA PRIETA** 

(Continued from Page One.) the outlines of an Ethiopian, which rises out of the desert nine miles east of here, claimed the attention of all eyes today as marking the portal of a mountain pass through which General Villa was expected to awing tonight or tomorrow about 8,000 men to attack or besiege the

Unless reinforcen an encampment of troops stationed vented by C. Faure, a Frenchman, in cut considerably over the head and face Brigadier General Thomas F. Davis, who 1880, but the mercury vapor electric light by the broken glass of the windshield, assumed command yesterday, has about was invented by Cooper Hewitt, an and bruised and wet and muddy from 6,000 soldiers, with stateen three-inch R. Loinnes of France, invented the via train for their home in Omaha, and definite orders to keep Mexican soldiers into the United States.

perfacted by C. Roentgen, a German, in 1886 A radio-activity process was perfected in 1886 by H. Hecquerel, a French-fected in 1886 by H. Hecquerel, a French-man.

Geodysar's Work.

The Englishman, Faraday, in 1885, discovered a process for the liquefication and solidification of gas. C. Goodysar, an American, in 1885, perfected the first plunges featured for Arcadia.

MASON CITY, Neb., Oct. 20.—(Special Hoping to be the first ounwelcome news, the youth rushed into the house and said:

"Father, I had a fight with Percy Raymond to the game, but failed to kick oal. End of the game, but failed to kick oal. End about it."

"Well," said the son, "I hope you came plunges featured for Arcadia.

### NEBRASKA CASES DECIDED

Opinion in Madison Case is Good.

S. S. BOTHIA ..

BOONE COUNTY CASE SETTLED

(From a Staff Correspondent.) LINCOLN, Oct. 30 .- (Special.) -- The supreme court has decided that a former opinion rendered by it in the Madison county commissioner case was correct. In that opinion the holding of the Madison county district court was reversed. Hibernicus, which long residen The case was one in which a commistime the law provided that a county commissioner should be elected annually for three years.

The high court holds that this law should be disregarded because the law now calls for a four-year term.

Pailure to Give Notice. The fact that there was a failure to topey-turvy. give the statutory notice of election of The mixed metaphor, like the "shibbo-county commissioner will not of itself leth," often is the result of looking on a question, it cannot be held that their tion: has been an election "pon that question. Will Hold Job in Boone.

J. Tisthammer, elected as county will hold that office for four years, according to an opinion of the supreme court which holds:

"By the act of 1918 it is provided that in counties having three commissioners, two shall be elected in 1914 for a term legislative construction of former con-petard, and finds himself a marked flicting statutes, and establishes that man." subsequent to the act of 1906 and the amendment of the constitution no valid election could be held in such counties in the odd nubered years."

The action is one brought in the district court of Boone county, by L H. Delarm, to restrain the county clerk from asuing a certificate of election to Tisthammer, who had been elected at the November election. The relator, who was filling an unexpired term, brought suit to restrain Testhammer from taking ofaction of the lower court,

Douglas Case Reversed. In an opinoin written by Chief Justice Morrissey of the supreme court, the judgment of the Douglas county district court is reversed in a case, where 6, J. Coffman attempted to force his partner, Matt Malone, to buy out his partnership in a commission business in South Omaha. The district court found for Hoffman, but the higher court reverses the lower court and sends the case back for a re-

trial. Majone claimed that the contract made "A school boy wrote the following ter-between Coffman and himself, was for no narrative about Elijah: other purpose than to influence Amos Snyder, the third partner, to sell out He had some bears and lived in a cave. his interest in the business for \$1,500, Snyder stock and in the settlement Malone refused to take the check of Coffman and demanded cash a The latter than insisted that Malone buy his stock and over this controversy the suit was

#### GEORGE S. WARD WILL BE HEAD OF BROOKLYN FEDS

NEW YORK, Oct. 30.-Annou vas made at the headquarters of the Federal league today that eGorge S. Ward is to be elected president of the Brooklyn club, to succeed his brother, the late Robert B. Ward, at the next meeting of the stockholders. Mr. Ward was closely associated with his brother in the affairs of the Brooklyn club, and is said to have similar views regarding its policy.

Apartments, flats, houses and cottages can be rented quickly and cheaply by a Bee "For Rent."

#### CASES OF UNCONSCIOUS WIT Woman Is Killed by Train Near Walnut

Walnut.

Man Drops Dead at Avoca.

Fast Time in Cross-Country.

office of Paulsen's rooming house.

Making Bad Bulls in Times Past Has Given the Opinion that Makers Were Wise Men.

SOME SPECIMENS ARE CITED

It was Sir Richard Steels who said that the "bull" was a result of olimate, and that if an Englishman were born in Ireland he would make just as many. The collection of this form of wif is very timely. Now, of all times, we need wit and kindly humor. And those qualities belong in generous measure to J. C. Percy, whose book of "Bulls and Blunders" has given me an hour or two's delightful relaxation, says T. P.'s

Mr. Percy gives a fine specimen from

"Grose, in his 'Olio,' relates it as a fact that in May, 1784, a bill relating to franking was sent from Ireland for the royal assent. One clause enacted that MINNEAPOLIS. Oct. 30.—Wisconsin any member who, from illness or any won the five-mile cross-country race in other cause, should be unable to write. the dual meet with Minnesota, this might authorize another to frank for afternoon. Fred Watson of Minnesota broke the course record in 38:33%. royal assent. One clause enacted that him, provided that on the back of the letter so franked the member gave under his hand a full certificate of his inability to write."

Even Cobbett managed to perpetrate the following sentence in "Rural Rides:"
"I saw no corn standing in ricks, a thing I never saw before and would not have believed it had I not seen it." Humor expresses itself in action as well as words. The Irish rebels of 179s enacted a "buli" of a remarkable kind. They wished to annoy the Hon. John Bereaford, a banker. So, forgetting that every bank note that is lost relieves a bank of liability, they collected at great expense a pile of Beresford paper money and burnt it with great sound and fury. Mr. Percy tells another story, this time of a psychologic "bull," from beyond the Rhines

"There is a most excellent story of German old maid, who had petitioned the authorities to remove a great hill from in front of her house, in order that she might get an unobstructed view of the river Rhine. The authorities were unobliging and pigheaded, and would not move the hill. The old mail pleaded, but quite in vain. But she was a pious Bible-reading woman, and a lineal descendant of Martin Luther into the bargain. She remembered the text about the faith that can move mountains, and she resolved to try it on the great, troublesome hill that cut off her view of the beautiful Rhine. She decided upon a night of the prayer that the mountain might be removed, with implicit confidence that her prayer would be answered. All night long she wrestled like Jacob of old. In the morning she rose, with radiant countenance, con-Supreme Court Rules that Former fidently drew the curtain of her window that looked toward the mountain, staggered back with apparent surprise, and exclaimed: 'And there it stands, just as I expected!" "

An Irish M. P., somewhat wearled by debate, perpetrated the following: "If you leave this question to us for three years, we will settle it tomorrow morning.

It Fails to Cure. "Sir Edward Carson," says the author, "is specially addicted to the Taurus London has failed to 'cure.' I have just sioner had been elected in 1905, 1908 and room for two prime Carsonian speci-1911. The statutes and some court mens. The Uleter leader said, 'Mr. Asopinions were in confusion and the of- quith was like a drunken man walking floers and people of Madison county along a straight line—the further he commissioner in counties not under Edgecombe Sir Edward referred in cororganization and having three dial terms to the gentleman I see be-

hind me. And his friend, Mr. F. E. Smith, M. P., in discussing the Parliament act with its famous preamble, referred to them as 'twin bills, the younger of which had not yet been born." With these gems it would be hard to compete. But the book is full of them. Scottish, Australian and American all contribute to this lucky tub of verbal

invalidate the election. But if it ap- the wine when it is red. But sometimes, pears that such failure has prevented as in the following instance, it is the rethe election generally from voting upon sult of a vigorous attempt at vitupera-

"There was an editor or a local paper in a little Wisconsin town who was a source of perennial joy. It is on record asioner of Boone county in 1914, in his files, observed by an appreciative local reader, that one week, while rebuking some helnous charge by the opposition, he announced that 'chickens, like two-edged swords, ofttimes come bome to roost.' On another occasion, in handling the case of a contemporary, he said: Thus, the black lie, issuing from of four years and one in 1918 for a term his base throat, becomes a boomerang of four years. The said act was a to his hand, and he is hoist by his own

Into the Bull Ring. Mr. Percy's personal circle seems to be a promising bull ring. He gives the following:

"I heard my wife say to a gardener, You have done your work very well. If I want another man I'll send for you." Speaking of a recent Christmas shoppins experience in Grafton street, my better half remarked: 'I simply couldn't get into Messrs. So and So's on account of the rush, and getting out was worse. fice, and the district court denied his My colleague (Mr. Meoredy) took me for application. The high court sustains the a motor run through Wicklew, taking in an extra detour just 'to show me a bridge that had been washed away." One cannot really rob Mr. Percy's store of stories. For every one we take

out half a dozen seem to come in. And his child humor is prolific: "Desmond," said the teacher, "what is the spinal column?"

"The spinal column," said Desm "Is what my head sits on one end and I sit on the other.' Here is a piece of scriptural history puerilized in fine style

"There was a man named Elijah. Some boys tormented him. He said: "If which was successful. The question then you keep on throwing stones at me. I'll the same up as to the disposition of the turn the bears on you and they'll eat you up." And they did, and he did, and the bears did." Two American stories are too good to

miss. We hope they will not be regarded as a breach of neutrality: "An American teacher had visitors at school one afternoon and naturally was anxious for her pupils to make a good

" 'William,' she asked a rosy-faced lad, 'can you tell me who George Washington was?" 'Yes, ma'am,' was the quick repty.

'He was an American gen'ral." "'Quite right,' replied the teacher. 'And can you tell us what George Washington was remarkable for?" " "He was remarkable occause he was

an American and 'told' the truth.' " Here is another excellent Washington story: "The teacher was hearing the history lesson. Turning to one of the scholars she asked: 'James what was Washington's farewell address?' The boy arose with promptitude

#### **OLD PRESCRIPTION** FOR WEAK KIDNEYS

ATLANTIC, In., Oct. 30 .- (Special Tele-A medicinal preparation like Dr. Kilgram.)-Mrs. Redington, aged about about mer's Swamp-Root, that has real curative 40, who livtd near Wainut, was struck by value almost sells itself. Like an end-Rock Island eastbound local No. 26 this morning two miles east of Walnut and less chain system the remedy is recommended by those who have been beneinstantly killed. The inquest will be held fited to those who are in need of it. Monday. Deceased leaves a husband, but no children. The body was brought to Dr. Kilmer's Swamp-Root is a physi-

this city and taken to her home near for years and has brought results to countless numbers who have suffered. The success of Dr. Kilmer's Swamp Root is due to the fact that it fulfills al-AVOCA, Is., Oct. 30.-(Special.)-Peter most every wish in overcoming kidney, Hillmath, aged 65 years, dropped dead liver and bladder diseases, corrects urinhere this morning at 10 o'clock in the ary troubles and neutralizes the uric acid He which causes rheumatism.

cian's prescription. It has been tested

had worked here for several years as a Do not suffer. eGt a bottle of Swamp-baker and had no known relatives. Death Root from any druggist now. Start treatment today.

However, if you wish first to test this great preparation send ten cents to Dr. Kilmer & Co., Binghamton, N. Y., for a sample bottle. When writing be sure and mention The Sunday Bee.-Advertise-



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