

DEMONSTRATES HIS AIRSHIP

Dr. J. A. Udden's Novel Machine is
Tested Before Audience at Au-
gustana College.

THEORY IS EXPLAINED

Inventor Shows That He Has Em-
ployed New Principles in Con-
struction of the "Rotopet."

Before an audience that crowded the chapel of Augustana college last night Dr. J. A. Udden, professor of science, demonstrated by means of a model that he has designed a type of flying machine that will fly. Three trials were made, and each time the machine surpassed previous flights.

Dr. Udden's machine is called by him the "Rotopet," or rotating wings. These wings or propellers are two in number, situated on each side on top of the machine. When propelled they cut the air on a horizontal plane, thus producing the resistance against the air which causes the machine to rise. The propellers are operated in opposite directions in order to maintain an equilibrium. The propellers merely cause the machine to rise by acting against the force of gravitation, the forward motion being produced by the angle of the aeroplane in the body of the machine.

Power From Rubber.
The motive power in Dr. Udden's model is furnished by rubber bands which are twisted to produce a high tension. As long as the twisted rubbers are uncoiled the propellers are revolved. In the first experiment last night, when the string which bound the propellers was cut, the machine rose gracefully to a height of about five feet and flew across the stage into the chapel. The enthusiasm of the audience was so great that Dr. Udden was compelled to repeat the experiment a second and third time. The last flight was the most successful of all, a greater tension having been produced in the rubber bands. The machine rose to a height of about 10 feet and moved across the stage. It remained in the air as long as the propellers rotated, and then settled to the floor.

In the lecture which preceded the experiments Dr. Udden reviewed the history of the great efforts which have been made to solve the problem of aerial navigation. He pointed out the weak points in the different types which have been built, various inventors and showed how his type would overcome these defects. One of the drawbacks of all aeroplanes thus far constructed has been their inability to rise of their own accord without being run on wheels. The additional weight of these wheels has hampered the movements of the machine in the air. The action of the horizontal propellers in Dr. Udden's machine causes it to rise of its own accord, thus doing away with this defect.

Shows Gravity Effect.
"It is a remarkable fact," said Dr. Udden, "that all experimenters have apparently overlooked the fact that the force of gravitation is caused to work in two directions by an aeroplane—both forwards and downwards. Thus if the propellers merely cause the machine to rise against the force of gravitation, it will move forward of its own accord without the necessity of propellers to force it ahead."

Another point of merit in Dr. Udden's machine is its inability to turn over. Its construction is such that the center of gravity is in the lower part of the machine, thus overcoming the tendency to capsize. A parachute arrangement is also provided which will cause the machine to fall slowly and gracefully when the propellers are stopped. Dr. Udden also showed how in a perfect model the problem of steering can be solved in an easy manner. He proposes to steer by means of a propeller or rudder constructed on a "universal joint." Such an arrangement will permit the steering apparatus to be turned in any direction or angle.

Not for General Use.
Dr. Udden stated that he could not conceive of flying machines coming into general use, for, said he, "human beings were constructed to walk on the ground." One of the big drawbacks which he believes cannot be overcome is that of cloudy and rainy weather. The flimsy texture of which machines must be constructed is necessarily made heavy and its effectiveness destroyed when it becomes wet.

"I believe, however," said Dr. Udden, "that flying machines will become about as general as automobiles; that

Success in Life

depends on character, capacity, concentration and health. Develop the first three by all means—maintain the last by the one best means—

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is to say, for the use and pleasure of people of time and means. I can't conceive of their becoming of practical use except in a few cases. In my own profession, for instance, I could make good use of a flying machine, on a geological expedition, for there are many places which we geologists can't reach because we can't fly."

In addition to Dr. Udden's lecture, the Adelphi society last night consisted of a pipe organ solo by Professor P. Johnson; a violin solo by Miss Gertrude Housel to pipe organ accompaniment, and vocal solos by Miss Lillian Cervin and C. Bostrom. All the musical numbers were enthusiastically received.

Will Not Continue.
Dr. Udden does not intend at present to continue his efforts to work out the problem of aerial navigation. He is convinced that his model shows the solution of the puzzle, but he does not plan to further develop the idea. Dr. Udden says that if some one interested in the problem will finance the work he will construct a machine of practical size and carry out the experiments more thoroughly. It will, of course, require quite a sum of money for this purpose.

GOETHALS IN RAGE

Engineer in Charge of Construction of
Panama Canal Resents Charges
of Discrimination

IN GIVING CABLE CONTRACTS

Complainant Also Excited and De-
clares Inquiry Is Unfair, Only
the Defense Being Heard.

New York, Oct. 10.—Hot denial by Colonel George W. Goethals that he had been party to discrimination in Panama canal contracts marked the inquiry yesterday before Inspector General Garlington.

Charges of discrimination and favoritism in awarding cable way contracts underlie the investigation, and exciting outbreaks and warm interchanges have not been infrequent. Colonel Goethals, who is general director of the canal work, took the witness stand toward the end of yesterday's session.

Complainant in a Rage.
Just before he was called William A. Brothers who brought the charges had accused Spencer Miller, a representative of the Lidgerwood Manufacturing company of perjury, and followed this accusation by the charge that the inquiry was not being conducted on fair lines, saying the witnesses for the defense were the only ones given a hearing.

Brothers became highly excited and announced that he would withdraw from the hearing. He went so far as to leave the room, but returned a few minutes later.

Goethals in Denial.
When Colonel Goethals was called he said:

"I have been charged with false statements by Mr. Brothers. I am also practically charged with corrupt practices by Senator Slater, Mr. Woods and Mr. Brothers. I intend to answer these charges fully."

He went on to complain bitterly of the suddenness of the charges and lack of time and opportunity to prepare a defense.

Colonel Goethals further told of a visit to his office of Mr. Wood of the New York Cablegram and Engineering company, who said he heard it was useless for his firm to bid on any Panama contracts, as it would not be allowed to do any work on the canal.

Branded as a Lie.
Goethals said he had characterized this as a lie, and he would tell Wood's informant the same thing.

Senator Slater, who said he represented the New York Cable and Engineering company, then rose to state that there had never been any question of Colonel Goethals' integrity.

DIES SUDDENLY ON A TRAIN

B. H. Ridgely, Consul General to Mexico, Passes Away.

Montreux, Mexico, Oct. 10.—Benjamin H. Ridgely, United States consul general to Mexico City, died suddenly about midnight last night, in a Mexican City Pullman, while waiting for his train. Ridgely arrived here from Laredo and stopped over to take a Pullman for the capital. He was accompanied by his wife and mother.

ANOTHER POLITICAL SPEECH

Taft Closes Work in Cincinnati With Talk to Delegation From Kentucky. Cincinnati, Oct. 10.—Judge Taft will today make a brief address to members of the Taft-Sherman club of Fort Thomas, Ky., in the assembly room of the Sinton hotel. This was the last day for political purposes that the candidate will spend in his native city.

WOULD CHECK EXPENDITURES

Says Candidate Kern in Addressing Audience at Point Pleasant, Va. Point Pleasant, W. Va., Oct. 10.—The democratic party is at war with the profligate expenditures of the present administration, said John W. Kern in a speech before a good sized audience of democrats here today. He is suffering from inflammation of the throat and spoke with difficulty.

ISTAKING A CENSUS

National Conservation Commission
Engaged in Preparing Fig-
ures on Forests.

GIVING TIMBER RESOURCES

All Available Statistics Being Secured
—The Guesses Made in Advance
Vary Widely.

Washington, Oct. 10.—The national conservation commission has caused the first comprehensive attempt at a census of the standing timber in the United States ever undertaken. The forest service has for several years been eager to take such a census, and the bureau of the census has expressed its willingness to cooperate, but funds have never been available. The conservation commission, however, needs the information to help complete its inventory of the country's natural resources, which it will include in its report to the president, and since that report is to be submitted on the first of next year, it needs the information at once. In consequence the work on the census has been started with a rush and is now under full headway.

It may be a slight exaggeration to speak of a census of timber, for of course it is impossible to count the individual trees in the forests; even the most ambitious plans of the forest service and the bureau of the census did not contemplate that. But a trained man can with great accuracy "cruise" a tract of forest and estimate the number of board feet in contents. Large portions of the forests of the country, including practically all the national forests, have been estimated at various times but these figures have never been brought together and no organized effort has ever been made to gather them into one total, nor to supply the deficiencies where hitherto no estimates have been made.

Guesses Vary Widely.
As a result, the guesses as to the amount of standing timber in the United States, range all the way from \$22,682 million to 2,000 billion board feet—a difference of more than a trillion feet in the estimates of the best qualified authorities in the country.

In the opinion of the forest service, the most carefully prepared estimates yet made are those by Henry Gannett published by the Twelfth census in 1900. These placed the total stumpage at 1,390 billion feet. Mr. Gannett, it so happens, has been chosen by the president to compile all the information gathered for the commission, and with his previous acquaintance with the subject of forestry, he is at work now enlarging the knowledge of forest areas at present available.

The importance of this census lies largely in the fact that it will give an accurate basis for computing how long our timber supplies will last. Through the cooperation of the forest service and the census bureau the country's annual consumption of wood is known with tolerable accuracy, although even here there are some discrepancies, because a large amount of wood is used for posts, fuel and domestic purposes, for which no satisfactory data have yet been collected. But the consensus of opinion among those equipped to judge is that the present annual consumption is about 100 billion board feet, or something more than that.

WE CAN CURE YOU MEN



Established in Davenport 14 years—
President of the Chicago Medical In-
stitute.

BEFORE you place your case in-
vestigate—here you get the benefit
of the combined skill and experience
of three Drs. Walsh—all eminent in
their profession covering 80 years
in the practice of medicine. Take
no chances—Consult the best.

DISEASES OF MEN with their far-
reaching consequences whether due
to early folly or later neglect is our
specialty.

**DISEASES OF THE BRAIN AND
NERVOUS SYSTEM** causing men-
tal depression, brain fog, loss of
vigor, a breakdown mentally and
physically requires the best profes-
sional attention—skin diseases, dis-
eases of the stomach, liver and in-
testines, diseases of the kidneys
and bladder.

The Dr. Walsh "No Risk" cure for
VARICOCELE has made the CHI-
CAGO MEDICAL INSTITUTE fa-
mous. Particular people who in-
vestigate always come to us. If you
can't come, write.



**DRS. WALSH, WALSH
& WALSH**

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124 W. Third St. Near Main St.
Rooms 25 to 29, McCullough Bldg.
Hours—10 to 12 noon; 2 p. m. to
4:30 p. m.; 7 to 8:15 p. m. Sunday,
10:30 to 12 noon. No office hours
on Monday and Friday evenings.

One leading authority has placed it as
high as 150 billion board feet.

Exhausted in 14 Years.
Assuming a stumpage of 1,400 bil-
lion feet, an annual use of 100 billion
feet, and neglecting growth in the
calculation, the exhaustion of our tim-
ber supply is indicated in 14 years.
Assuming the same use and stand-
ing with an annual growth of 40 billion
feet, we have a supply for 23 years.
Assuming an annual use of 150 billion
feet, the first supposition becomes
nine years, and the second 13 years.
Assuming a stand of 2,000 billion feet,
a use of 100 billion feet, and neglect-
ing growth, we have 20 years' supply.
Assuming the same conditions, with
an annual growth of 40 billion feet,
we have 33 years' supply. With an
annual use of 150 billion feet, those
estimates become, respectively, 13 and
18 years.

It is apparent from these computa-
tions why the national conservation
commission considers the census of
timber so essential to the preparation
of its inventory.

The chief difference between the
methods now being employed by the
conservation commission and those
of the bureau of the census would use
are, that while the bureau would send
out enumerators to make persona
visits to all parts of the country, the
commission is aiming at the same re-
sults through a tremendous amount of
correspondents. For instance, 3,10
letters have gone out to county clerks
asking for statements of forest areas
in their counties. Seven thousand
lumbermen and timberland owners
have been asked to supply similar in-
formation. In all nearly 150,000 let-
ters have been sent. These letters
also ask for a wide variety of informa-
tion besides the area and capacity of
forests. They touch upon all phases
not only of the lumbering and milling
industries but of all others which ar-
even indirectly dependent upon the
use of wood. The purpose of the com-
mission is not merely to learn how
much wood is growing now, but how
long it may be expected to last and
how the supply may be prolonged by
economy.

Have Handed In Reports.
All government departments and
bureaus which have any information
about forests, as well as many large
corporations, such as land grant rail-
roads which hold big forest tracts in
some states and have cruised them
carefully, have turned it over to Mr.
Gannett.

The forest service naturally has the
largest fund of information, and it is
gathering more constantly, either in-
dependently or with the help of the
census bureau. The department of
war, the interior, and commerce and
labor can turn over the amounts of
timber standing on military, light-
house, and other reservations. The
bureau of corporations of the depart-
ment of commerce and labor has sent
out an extensive schedule of inquiries
to its special agents which, it is hoped,
will add to the present information
concerning the manufacture of wood.
All the states of the union are co-
operating and will furnish statistics
concerning state forest lands.

THE MARKETS.

Chicago, Oct. 10.—Following are the
market quotations today:

Wheat.	
December, 100%, 101%, 100%, 101%	
May, 103%, 104%, 70%, 104%	
July, 97%, 98%, 97%, 98%	
Corn.	
December, 64%, 65, 64%, 64%	
May, 64%, 64%, 64%, 64%	
July, 62%, —, —, 63%	
Oats.	
December, 49, 49%, 49, 49%	
May, 51%, 51%, 51%, 51%	
July, 47, —, —, 47	
Pork.	
October, 13.80, 15.25, 13.65, 15.25	
January, 15.95, 15.92, 15.50, 15.67	
May, 15.70, 15.90, 15.87, 15.50	
Lard.	
October, 9.70, 9.85, 9.60, 9.65	
January, 9.50, 9.50, 9.25, 9.35	
May, 9.40, 9.42, 9.20, 9.27	
Cattle.	
October, 9.05, 9.25, 8.82, 9.25	
January, 8.42, 8.45, 8.20, 8.30	
May, 8.47, 8.47, 8.30, 8.35	

Receipts today—Wheat 46, corn 113,
oats 213, hogs 8,000, cattle 700, sheep
1,500.

Estimated receipts Monday—Wheat
27, corn 109, oats 214, hogs 25,000.

Hog market opened steady. Hogs
left over 5,500. Light 5.70@6.35, good
heavy 5.85@6.65, mixed and butchers
5.85@6.65, rough heavy 5.85@6.10.

Cattle market opened steady.

Sheep market opened weak.

Hogs at Omaha 3,100, cattle 200.

Hogs at Kansas City 5,000, cattle 500.

Hog market closed weak to 5c lower.

Light 5.65@6.35, mixed and butchers
5.80@6.60, good heavy 5.80@6.60, rough
heavy 5.65@6.05.

Cattle market closed steady. Beeves
2.40@5.35, stockers and feeders 2.60@

4.60, cows and heifers 1.60@5.35.

Sheep market closed steady.

Liverpool closing cables—Wheat %
lower, corn % lower.

Northwestern receipts—Minneapolis,
today 612, last week 813, last year 166;

Duluth, today 385, last week 582, last
year 388.

Bank Statement.

New York, Oct. 10.—Reserve de-
crease, \$7,581,925; less U. S. decrease,
\$7,574,675; loans increase, \$12,227,300;
specie decrease, \$5,426,800; legals de-
crease, \$659,700; deposits increase, \$5,
981,700; circulation decrease, \$242,
200.

New York Stocks.

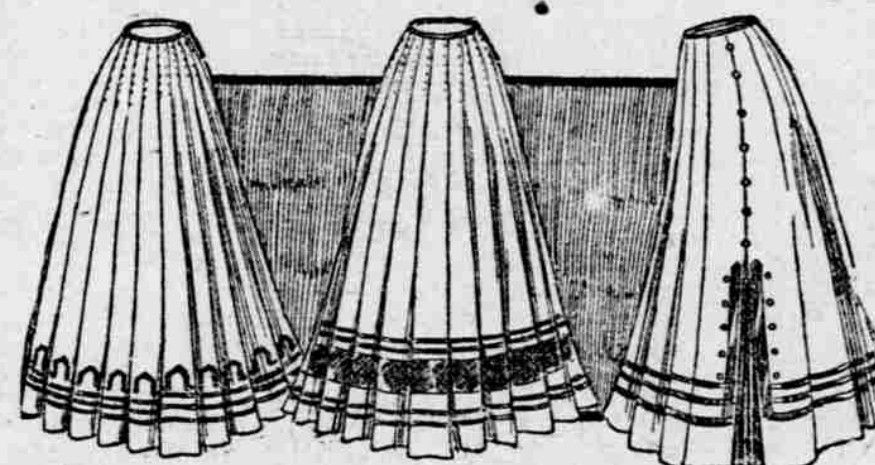
New York, Oct. 10.—Following are

Double Stamps ALL WEEK Young McCombs ROCK ISLAND

WATCH US GROW

WE have decided to extend our
Annual Souvenir Sale one
week to accommodate our many
patrons who work on the railroads
and in the SHOPS whose pay-days
come only in the middle of the
month, and to please the wishes of
our many customers. Sale posi-
tively closes

Saturday, Oct. 17th



We announced a few days ago that we would have a

Skirt Talk For Monday, October 12th

This is the talk. Your \$'s will do Double in our
Skirt Department. One of the BIG MANUFAC-
TURERS, mind you, a big manufacturer, needed
money worse than he needed over 300 Skirts, which
we purchased at 50c on the dollar. So Monday, Oct.
12th, we will place the entire line on sale at prices that
will be sure to find purchasers from every nook and
corner of Scott and Rock Island Counties.

Skirts \$2.98 and Up

the quotations on the stock market

today:

U. P. 162½, U. S. Steel preferred

109, U. S. Steel common 46, Reading

129½, Rock Island preferred 47½,

Rock Island common 19½, Southern

Pacific 102, Missouri Pacific 52%,

Great Northern 132, L. & N. 105,

Smelters 86%, C. F. I. 35, Canadian

Pacific 171½, Illinois Central 138,

Penna 122½, Erie 31½, Lead 81½, C.

& O. 42, B. R. T. 48½, B. & O. 95½,

Atchison 87½, Locomotive 48%, St.

Paul 134½, Copper 74%, Republic Steel

preferred 79½, Southern Ry. 21½.

LOCAL MARKET CONDITIONS.

Today's Quotations on Provisions, Live

Stock, Feed and Fuel.

Rock Island, Oct. 10.—Following are

the wholesale prices in the local mar-
ket today:

Provisions and Produce.

Eggs—Fresh, 22c.

Live Poultry—Hens, per pound, 8c;

spring, 12½c pound.

Butter—Dairy, 22c.

Lard—11c.

Vegetables—Potatoes, 60c; onions,

45c; beets, 40c; turnips, 30c.

Feed and Fuel.

Grain—Corn, 80c; oats, 47c to 50c;

wheat, 85c to 90c.

Forage—Timothy hay, \$9 to \$10;

prairie, \$7.50 to \$9; clover, \$10 to \$11;

straw, \$6.50.

Coal—Lump, per bushel, 14c; slack,

per bushel, 7c to 8c.

Had a Close Call.

Mrs. Ada L. Croom, the widely known

proprietor of the Croom hotel, Vaughn,

Miss., says: "For several months I suf-
fered with a severe cough, and con-
sumption seemed to have its grip on
me, when a friend recommended Dr.

King's New Discovery. I began taking
it, and three bottles effected a com-
plete cure." The fame of this life-
saving cough and cold remedy and
lung and throat healer is world-wide.

Sold at all drug stores; 50 cents and
\$1. Trial bottle free.

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wheat, 85c to 90c.

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Rheumatism Cured in Three Days.

N. B. Langley, Madison, Wis., says:

"I was almost helpless with rheuma-
tism for about five months. Had it in
my neck so I could not turn my head,
and all through my body. I tried three
doctors and many remedies without
any relief whatever until I procured
Dr. Detchon's Relief for Rheumatism.

In a few hours the pain was relieved
and in three days the rheumatism was