AERIAL LEVIATHAN IS PLAN OF THE FUTURE

New Design to Outdo All Others Is Being Constructed in Greatest Secrecy.

THREE HUNDRED FOOT WING

Immense Bat to Carry 25 Tons and Be Able to Cross the Ocean in Twelve Hours.

NEW YORK, May 24.—An aerial leviathan of the bat wing type, without a strut or a stay wire, expected to attain a speed of 250 miles per hour, has been designed, and may be built, it is reported, according to William Irwin Gillespie, an unofficial investigator of the aircraft industry, in a report made in much secrecy. The plan, Mr. Gillespie, in an article in his Aerial Possibilities" in the New York Sun, says, reveals some of the details of the design of the huge craft, which it has no name as yet, but which, if it flies as its makers believe it will probably will cross the Atlantic in 12 hours.

A 300 foot wing-span, bat-wing, cantilever airplane would be capable of lifting at a five pound of from 25 to 30 pounds, that is, 25,000 to 30,000 pounds, and would carry comfortably and safely 25 to 30 passengers, approximately 25 tons, equipped in the manner. Twelve hours, or even less, is a trans-Atlantic flight that may sound like the exploits of Munchhausen, but the resistance of air, the main resistance air, of the flat wing type, or some modification of its form, is firmly believed by certain air engineers to be the final solution of the aerial problem.

There are a number of very radical plans in the hands of designers of aircraft that are expected to revolutionize the whole art of flying, and which it is hoped by the more enthusiastic leaders will give us air transportation on a truly economic basis. The designs embrace the double composition of reducing air resistance and thereby decreasing gas consumption together with construction which will give strength and freight-carrying capacity.

The best of these ideas, and the one which will probably be next in the rapid advance of the art of flying, is apparently a huge monoplane, without a strut or a stay wire or a fuselage or any undercarriage visible in flight. It is just a mammoth wing or wings, if you like, something in the nature of a bat with its head removed.

This is to be built on the cantilever bridge principle. At the nose of the forward center of the plane, this bridge work will be five or six feet high, tapering each way to the extremities of the wings. From the front to the back or from the head to the tail, the same cantilever-bridge construction is used. Toward the tail the machine narrows, or it may be spread into a definite tail feature, like the present planes. The tail of the machine is equipped with the usual balance rudder and elevators.

The engines and propellors are placed equally apart from the nose of the machine. The radiators, instead of being vertical, are placed in a nearly horizontal position, so that they offer little resistance to the air, and the wind rushes over them and forces the air through them, instead of pushing it through as in the ordinary plane.

The undercarriage, or landing-wheels, make their appearance only when the machine is on the ground or about to land. Once in the air, they are promptly pulled up into the body of the machine, to reduce wind resistance. The whole of this structure is covered with fabric or metal skin.

In flight we have a huge, headless pair of wings, with the front edge curved in a graceful curve, stretching outwards to almost feather-like edges on the ends, and backward in a slightly bowed curve to the tail controls. As it purringly cleaves the air there will not be a thing in sight except the burnished wings of this monster. The cantilever plane can be built watertight, so that, except in extremely severe weather, it can float safely on the surface of the ocean indefinitely, if adversity force a watery landing.

Marriage Licenses Issued Saturday.

Marriage licenses were issued to the following Saturday by the clerk of the district court: Hud Rankins, 24 and Belle Welsh, 18, Broken Arrow; Frank B. Wagner, 22, and Grace Holland, 17, Tulsa; Luther Giles, 24, and Flossie Wolf, 19, Tulsa; Ark. Kelley Breeding, 28, and Sarah A. Busse, 17, Cleveland; John Wallace 26, and Mary McIntosh, 26, Tulsa; Edwin O. Peterson, 26, and Olive A. Shetler, 20, Tulsa; James Segraves, 21, and Mable Little, 18, Tulsa; Arthur Tedder, 21, and Estella Mitford, 18, Collinsville; J. J. Williams, 42, Tulsa, and Rita Cooke, 37, Waco, Texas.

Two Divorce Suits Filed.

Petitions for divorce were filed in district court Saturday by the following plaintiffs: Pearl Hilderbrand against John Hilderbrand; Maude Stanford against John Stanford. Decree of divorce was granted in district court Saturday by Anson Arkley against Flossie Arkley.

WE MAKE PEERLESS
COTS AND CAMP FURNITURE
CANVAS COVERS
LEGGINGS MOPS
Prompt Shipments.
TUCKER DUCK & RUBBER CO.
TENTS AWNINGS
PORCH CURTAINS
FORT SMITH, ARK.
Write for Prices

GROWING HOGS.

For a hog to be profitable he must be kept growing from birth to marketing age. He cannot be profitable unless he is healthy. He can never be in a profit-producing condition if he is fed W. A. Thomas' Hog Powder. We positively tell you that the remedy prevents cholera, removes worms and cures thumps. If the powder does not make good, we will.—Adv.

MARKETS

Financial — Live Stock | Cotton — Grains

New York Stock List.

	Hundreds Sales in	High	Low	Close
Am. Beet S.	24	81	80½	80½
Am. Can	112	56½	56½	56½
Am. C. & F.	14	102½	102	102½
A. H. & L. pfd	10	122	122½	122
Am. Loco.	120	83	81½	83
Am. Linseed	19	64	63½	63½
Am. S. & R.	47	79½	78½	79½
xAm. Sugar				111½
Am. T. Tob.	10	107½	107	107½
Am. T. & T.	11	106½	106	106½
Am. Tob.	7	209½	209½	210½
Anaconda Cop.	83	69½	68½	69½
Atchison	134	100	98½	100
At. C. L.	1	105	105	105
A. G. & W. I.	4	163½	163½	163½
Bald. Loco.	109	103½	103½	103½
B. & O.				54½
Beth. Steel B	110	79	78½	78½
Can. Pac.	3	167	166½	167
Central Leth.	7	93	91½	93
Ches. & O.	19	68	67½	68
C. M. & S. P.	17	43	42½	43½
C. R. I. & P.	31	28½	28½	
Chino Cop.	16	28½	28½	28½
C. F. & I.	23	47½	47	47½
Corn Prod.	52	63½	63	63
Crucs. Steel	67	76	75	76½
Cuba C. S.	50	35½	35	35½
D. S. Corp.	18	26	25½	26
Erie	9	19½	19	19
Gen. Elec.	12	165½	165½	165
Gen. Motors	233	196	193½	194½
Gt. No. pfd.	44	98½	98	98½
Ge. No. O. C.	47	47½	47	47½
Gulf S. S.	24	73	73	73½
Int. Central				12
Int. Cop.	125	26½	26½	26½
I. M. M. pfd.	37	175	174½	175
Int. Nickel	44	25½	25½	25½
Int. Paper	22	55½	54½	54½
Ken. Cop.	46	25½	25½	25½
xL. & N.				152
Max. Motors	34	44½	44½	45
Mex. Pet.	318	151½	150½	150½
Miami Cop.	16	34	33½	34
Midvale S.	107	43½	43	43½
Mo. Pac.	23	22½	22½	22½
N. Y. Central	15	61½	61½	61½
N. Y. N. H. & H.	11	32½	32	32½
N. & W.	1	111	111	111
No. Pac.	14	98½	97½	98½
Pennsylvania	19	47½	47½	47½
Pitt. & W. V.	2	28½	28½	28½
R. C. Cop.	27	21½	21½	21½
Reading	44	88½	88½	88½
R. I. & S.	52	83	82	83
Sea. A. L.	2	10	10	10

New York Stock Bonds.

U. S. 2s, registered	x 99½
U. S. 2s, coupon	x 99½
U. S. 3s, registered	x 99
U. S. 3s, coupon	x 99
U. S. Liberty 3½s	99½
U. S. 4s, registered	x100
U. S. 4s, coupon	x100½
American Foreign Securities 5s	100
American Tel. & Tel. coll. 5s	92½
Anglo-French 5s	97
Atchison gen. 4s	82½
Atlantic Coast Line 1st 4s	82½
Baltimore & Ohio sv. 4½s	79½
Bethlehem Steel ref. 5s	91½
Central of Georgia Consolidated 5s	x 97½
Central Leather 5s	97
Chesapeake & Ohio cv. 5s	91½
Chicago, B. & Quincy joint 4s	96
Chicago, Mil. & St. P. cv. 4½s	78½
Chicago, R. I. & Pac. Ry ref. 4s	64½
Colorado & Southern ref. 4½s	79½
Denver & Rio Grande ref. 5s	86½
Dominion of Canada 5s (1931)	97½
Erie gen. 4s	56½
Illinois Central ref. 4s	x 80
Int. Mer. Marine 6s	104
Kansas City Southern ref. 5s	86
Liggett & Myers 5s, c	x 93½
Louisville & Nashville un. 4s	86
Missouri, Kan. & Texas 1st 4s	67½
Missouri Pac. gen. 4s	63
New York Central deb. 6s	93½
Norfolk & Western con. 4s	87½
Northern Pacific 4s	82½
Pennsylvania Consolidated 4½s	95
Pennsylvania gen. 4½s	87½
Reading gen. 4s	87½
Republic Iron & Steel 5s (1940)	90
St. Louis & San Fran. adj. 6s	70
Seaboard Air Line adj. 5s	31
Southern Bell Tel. 5s	x 91
Southern Pacific cv. 5s	105½
Southern Railway 5s	x 83½
Southern Railway gen. 4s	64½
Texas Company cv. 6s	100
Texas & Pacific 1st	x 89
Union Pacific 4s	86½
U. S. Steel 5s	100
Virginia Car. Chemical 5s	x 86½
Wabash 1st	86½

St. Louis Live Stock.

ST. LOUIS, May 24.—Hogs—Receipts 4,500 head; market steady; lights $20.15@20.50; pigs $15.50@19.75; mixed and butcher $20.15@20.70; heavy $20.60@20.75; bulk $20.20@20.65.

Cattle—Receipts 6,000 head; market steady; native steers $11.50@18.50; yearling steers and heifers $9.50@16.00; cows $10.50@13.50; stockers $10.00@13.50; southern steers $10.00@18.00; cows and heifers $7.50@15.00; canners $5.00@7.25; calves $7.75@15.50.

Sheep—Receipts 600 head; market steady; lambs $17.25@18.10; ewes $12.00@14.50; canners $6.00@8.50.

New York Money.

NEW YORK, May 24.—Mercantile paper 5¼@5½; sterling 60-day bills 4.62; commercial 30-day bills on banks 4.63¾; commercial 30-day bills 4.60½; demand 4.64¾; cables 4.65¼.

Guilders demand 39¾; cables 39¾.

Government bonds firm; railroad goods firm.

Bar silver 105¾.

Mexican dollars 80.

Fort Worth Live Stock.

FORT WORTH, Texas, May 24.—Cattle—Receipts 900 head; market unsteady. Beeves $4.50@13.00.

Hogs—Receipts 600 head; market steady; heavy $20.25@20.50.

Sheep—Receipts 700 head; market unchanged; lambs $14.00@17.25.

NEW OIL MAP--6 STATES

Including picture of town of Burkburnett, Texas, the most spectacular oil field in recent years, where over 100 wells are already producing and 100 more drilling. Sent without cost. Address

I X L Oil & Refining Co.
366 Denham Bldg., Denver, Colo.

Liberty Bond Closing.

NEW YORK, May 24.—Liberty bonds closed today:

3s	98.48
Second 4s	94.76
First 4¼s	96
Second 4¼s	94.60
Third 4¼s	96.70
Fourth 4¼s	96.36

Daily Cotton Table.

Part movement:

	Middling	Receipts	Stock	Sales
New Orleans	29.75	2442	2490	8,200
Galveston	40			2,441
Mobile	29.00		217	1,000
Savannah	31.00	218	1841	1,826
Charleston	30	14		1,464
Wilmington	29.50	95		84
Texas City				3,147
Norfolk	30.00	864		14,844
Baltimore				7,007
Boston	31.15	31		324
Philadelphia	32.85			278
New York	32.00			10,825
Minor ports		2792		28,754
T. for 3		16429		126,075
T. for w. k.		15457		
T. for a. k.		53,1159		

Interior movement:

	Middling	Receipts	Sales	Stock
Houston	29.50	4,449		
Memphis	29.50	1767	1500	219,000
Augusta	30.25	310	413	11,000
St. Louis	30.50	743		19,487
Little Rock	29.50	2,020	240	42,000
Dallas	32.00		119	
Montgomery	29.00			

New York Cotton Futures.

NEW YORK, May 24.—Cotton closed strong:

	High	Low	Close
May	27.70	26.90	26.93
October	29.45	29.10	29.13
December	29.40	29.05	29.07
January	29.75	29.40	29.42

New Orleans Cotton Futures.

NEW ORLEANS, May 24.—Cotton closed firm at an advance of 20 to 35 points:

	High	Low	Close
May	31.50	31.20	31.40
July	30.74	30.19	30.60
October	29.75	29.36	29.44
December	29.40	29.10	29.40
January	29.74	29.17	29.24

Chicago Price Range.

CHICAGO, May 24.—Today's price range:

	Open	High	Low	Close
Corn—				
July	1.83½	1.84½	1.82½	1.82½
Sept.	1.57½	1.57½	1.55½	1.56
Oats—				
July	67½	67½	66½	66½
Sept.	64	64½	63½	63½
Pork—				
May				53.90
July	49.00	49.00	48.10	48.25
Lard—				
July	30.85	30.85	30.55	30.62
Sept.	30.30	30.30	30.00	30.07
Ribs—				
July	27.00	27.00	26.77	26.82

Kansas City Grain.

KANSAS CITY, May 24.—CASH: Wheat—Dull; No. 1 hard $2.35; No. 2 $2.32; No. 1 red $2.45@2.50; No. 2 $2.43@2.48.

Corn—Unchanged to 2c lower; No. 2 mixed $1.76; No. 2 white $1.78@1.80; No. 2 yellow $1.75@1.81.

Oats—½c to 1c lower; No. 2 white 70@70½; No. 2 mixed 68½c.

Rye—$1.41@1.43.

Chicago Grain.

CHICAGO, May 24.—Corn No. 3 yellow $1.79@1.80; No. 4 yellow nominal.

Oats—Standard 69@70c.

Rye—No. 2 nominal; No. 3 $1.46½.

Barley—$1.14@1.23.

Chicago Provisions.

CHICAGO, May 24.—Butter—Lower; creamery 51@56½c.

Eggs—Lower; firsts 42@42½c; ordinary firsts 41@42c; at mark, cases included, 41@42c; storage packed firsts 43@43½c; extras 44@44½c.

Poultry—Alive, lower; fowls 33½c.

Kansas City Provision.

KANSAS CITY, May 24.—Butter—Unchanged.

Eggs—1c lower.

Poultry—Heavy; broilers 2c lower; 45c to 50c.

Potatoes—Lower; No. 1 $1.85@2.30.

Kansas City LiveStock.

KANSAS CITY, May 24.—Hogs—Receipts 500 head; market steady; bulk $19.90@20.40; heavies none; medium $20.00@20.50; lights $19.25@20.25; pigs $14@19.50.

Cattle—Receipts 700 head; market calves 25@50c lower.

Sheep—Receipt none; market steady.

"Did your late employer give you a testimonial?"

"Yes, but it doesn't seem to me any good."

"What did he say?"

"I was one of the best men his firm had ever turned out."

GET OUR SHIPPING PRICE

We buy our lumber and crating material in carload lots and can give you a better figure on crating and shipping household goods.

We have a force of the best professional packers, who can get your goods out on short notice. We also operate the largest fleet of padded moving vans and oil field trucks in the state.

We have the largest fire-proof storage in the city and can store your goods cheaper because we pay no rent.

NICHOLS TRANSFER & STORAGE CO.
Phones 118-117

National Mfg. Co.
PHONE 780—203 NORTH MAIN

MADE IN TULSA; ANY STYLE, SIZE OR WEIGHT OF CANVAS; IN STOCK OR MADE TO ORDER IN FEW HOURS

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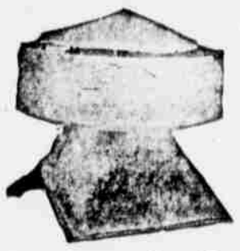

"Byrne" Stationary Ventilator

Over three thousand now in use throughout the Mid-Continent field.

When you equip with a "BYRNE" you get the best to be had—and you patronize home industry as well.

Manufactured by the

TULSA SHEET METAL CO.
13-15 S. Lansing Phone 678 Tulsa, Okla.

AMERICAN SAILORS ARE GENTLEMEN NOW

Desperado Tendencies of Past Years Are No Longer a Part of Shore Leave.

In the yesterdays of the American navy, shore leave meant to many sailors a roistering, drunken time, fights and rough houses and the inevitable full measure of atonement to the brig. "That is the way it used to be," writes Dr. John Huber, in "Cutting the Cigarette Out of Our Constitutions" in Association Men for June. "Here is the contrast.

"The other evening while enjoying the movies I found myself behind some half a dozen boys in blue. A more prepossessing, a more likeable set of young men—clean shaven, hair neatly cut, but gaffily uniformed—it would be hard to find together in any town, in any club room, at any church socialize. They not conjured up what the authors grow hoarse over the naval pictures. They appreciated the tropical review, did these sailors, they guffawed and chortled over the comics, they snuffed and snuffled and punched out their handkerchiefs along with anybody else when Mary Pickford tucked on the sob stuff.

"A lady seated in front of those boys had some trouble adjusting her cloak over her shoulders. One of these boys leaped forward and helped her as nicely and as gently as any other cavalier, and was graciously in the use good spirit thanked by her. Those wholly admirable gentlemen were constantly passing among themselves—a flask? No. A plug? No, a box of bonbons. How marvelous a change from the not distant past.

"Here is a wonderful thing which the war has done for some of our boys in khaki and our boys in blue. How amazing a change from most former wars, when intemperance was so rife among soldiers and sailors everywhere, when the intemperate man in uniform was so frequently a public scandal 'a curse to his companions, the first in a mutiny, the last in a battle.'

"In the ranks and aboard ship were many boys that were rotten before they were ripe. But Uncle Sam cut the canker out of their constitutions. He did a blessed surgical operation, he cut the booze out of them, gave them rebirth and restored them to moral and physical health."

The beautiful young matron at a ball was dancing for the third time with a smart officer, and she said to him: "Do you know, captain, I can't get it out of my head that we have met before."

"I don't doubt it, in the least, madam," answered the officer courteously. "I was your milkman three years ago."

FACTS ABOUT TEXAS AND OIL MAP FREE

Where and how investors are making money on stocks, leases and royalties. Production records, history of companies. Facts every investor should have. FREE.

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First National Bank Bldg., Denver, Colo.

FREE "WHAT'S WHAT" IN TEXAS OIL

Straight interesting facts on "Rainbow's End, Wonder Oil Field of the World" and all Texas Oil Fields, told by large independent operator.

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Entire Floor, 1006-1008 Houston St.
FORT WORTH, TEXAS

Prior to trading on the New York Curb June 2nd, 1919, if, when and as issued we offer for subscription subject to prior sale and change in price without notice the unsold remainder

500,000
Shares Treasury Stock

Livingston Oil Corporation

at $1.35 per share

Price Advances to $1.50 Per Share Tuesday, May 27, 1919, for any Unsold Remainder No Orders Accepted at $1.35 Per Share After Midnight, May 26, 1919

Authorized Capital $3,000,000
In Treasury $1,276,060
Par Value of Shares, $1.00 Fully Paid and Non-Assessable

President
J. K. Livingston - - - Tulsa, Oklahoma

Properties: Over 10,000 acres in and adjoining Ranger Field, Texas.
Over 10,000 acres in Oklahoma and Osage Nation.
Gasoline Absorption Refinery—capacity 1,000 gallons daily.

Production: Average yearly rate over 400 barrels oil, 15,000,000 cubic feet of gas and 800 gallons gasoline daily.

Earnings: Several times dividend requirements.

Dividends: 3% Quarterly—January, April, July and October.

Development: 8 wells drilling, one offsetting 1,500-barrel Turman Oil Company well, and one offsetting Sapulpa Refining 300-barrel well.
32 wells, practically offsets, to be drilled.

For further particulars regarding above Corporation, reference is made to R. G. Dun & Co., Bradstreet & Co., and any bank in Tulsa, Okla.

The right is reserved to reject any and all subscriptions for the stock offered above and to allot less than the amount subscribed for.

C. D. Knapp Jr. & Co.
Established 1900
INVESTMENT BROKERS
Singer Building New York

The statements herein while not guaranteed have been obtained from what we consider to be reliable and authoritative sources.

PIPE and CASING for SALE at REDUCED PRICES

50,000 feet 2 inch line pipe, standard weight.
30,000 feet 3-inch line pipe, standard weight.
20,000 feet 4 inch line pipe, standard weight.
1,000 feet 5 3-16-inch 17-pound casing.
15,000 feet 6 5/8-inch 17-pound casing.
1,000 feet 6 5/8-inch 20-pound casing.
1,500 feet 8 1-4 inch 17-pound casing.
2,500 feet 8 1-4 inch 24-pound casing.
1,000 feet 8 1-4 inch 32-pound casing.
2,000 feet 10-inch 32-pound casing.
1,500 feet 12 1-4-inch 40-pound casing.

Above grades are as good as new, and can be inspected at our yard, 314-16 East First street, Tulsa, Okla., and also make immediate delivery. Correspondence solicited.

Feenberg Pipe & Supply Co.
PHONE 4750.

The National Supply Co.
DEPENDABLE
Oil Well Supplies

Service satisfactory to the customer is the first principle of our business. Branches located in all principal points in the Mid-Continent oil fields.

SERVICEABILITY and Garfords are synonymous. Wherever the work is hardest, there you will find the most Garfords.

"Users Know"

Oklahoma Truck and Tractor Co.
224 North Boulder St.

A City Residence With Unusual Advantages

This beautiful home, surrounded by others of a like character, is located in one of the most exclusive and desirable districts in Kansas City, Mo. City homes as a rule, do not afford the ease and comfort combined with the beauty and exclusiveness to be found in this home.

This property has about five acres of ground, with many natural forest trees, shrubbery, rock terraces and a beautiful lawn.

The house is of solid stone with tile roof, containing 15 rooms, including drawing room, library, reception hall, dining room and kitchen. The sleeping rooms are sufficient for a large family and guests, with three large baths, convenient lavatories, roomy wardrobes, etc.; servants' quarters, including dining room, living room and bath.

The stone garage is large enough for several cars and equipped with box stalls for riding horses. Also, two bedrooms and bath for servants. The heating plant for the entire premises is located in this building.

There are many other features about the property which will be appreciated on inspection. The owner would not under any consideration sell this home, but a change in his business will require that he move permanently to another city. Any man who wishes to own a large and substantial home in the proper environment for his family, should not neglect to investigate this property.

Kansas City is an ideal home city, being noted for its fine homes, beautiful parks and boulevards, splendid churches and theaters, an abundance of public and private schools for boys and girls. Since it is an art and music center, school children so inclined obtain unusual advantages.

Address Owner, 836 Exchange Ave., Chicago, Ill., or H. R. Ennis, Real Estate and Investment Co. Kansas City, Missouri