Trapshooters Compete in Match at Pinehurst



A view of the mid-winter handicap shoot on the famous traps at Pinehurst, N. C. Marksmen from many eastern and southern cities competed.

Air Liners to Link World

London to America, Australia and Africa.

SPEED 60 MILES AN HOUR

Craft, With 100 Passengers Aboard, Expected to Fly From England to California in Four Days-Commercial Airship Is Already a Success.

cussion here for linking up all parts importance of giving each passenger a of the world by passenger air routes, good view. The windows are so aron which giant dirigibles, flying two ranged that passengers can see both miles above the surface at 60 miles an outward and vertically downward hour, will join London with North should they wish to do so. The passen-America, Australia, India and South gers sit facing each other with a table Africa. If these plans are carried between them, rather like a large Pullout air liners 800 feet long, equipped man car. If they wish, they can arwith berths, dining rooms, smoking range the chairs and tables for bridge. rooms, libraries and observation platforms, will speed from England to of bunks which fold down and allow San Francisco in four days, stopping the passengers to sleep athwartship. to discharge passengers and mails at New York and Chicago. Each ship will carry 100 passengers, and the fare will be only 50 per cent more than present steamship rates. Ships capable of this service are now in commission, and a trial passenger flight will be made to Egypt by a British government airship to determine the feasibility of opening such passenger

"The commercial airship already when asked whether he thought the plan practicable. Vickers, Limited, is now building airships for the British government, and Sir Trevor is an expert on the lighter-than-air craft.

"Day of Passenger Liner Here."

"The success of the R-34 showed a question of building more and larger of the airships, the Vittoria Louise, competitors. The airship is infinitely deer meat last year sold at a higher ships and equipping suitable landing made 200 trips in 250 consecutive days. | quicker and does not have the pitch price than beef or mutton. The govfields, sheds and mooring stations on The company was able to make a and toss that makes steamer travel ernment is going to aid in putting the both sides of the Atlantic. The air- profit, although the passenger rates unpleasant. The demand for great infant industry of Alaska on its feet ships are speedy, safe and reliable. were reasonable. Since the armistice, liners that cut down the time spent in by experiments in increasing the rein-They can carry large cargoes, have a despite the unsettled conditions in transatlantic travel shows that there deer's weight to about double the pres- frigerated and loaded for shipment, wide cruising range, and can ride out Germany, airships have been built for is a large class of travelers who want ent average by scientifically breeding almost any weather,

and I believe that it will come."

gested for the proposed service, but the contemplated ships, although

Maitland Supports Project. for world air routes.

can be regarded as a reasonably safe serve force. public conveyance," he says. "They | One of the developments recently travel will be that between Europe and already have proved themselves capa- made in airship landing stations is the North America. They are the two ble of flying through practically any mooring mast, which enables the air- great continents, the continents that type of weather, and the larger air- ship to come to the ground and be have between them a steady flow of ships of the future, fitted with more moored even during bad weather. The passenger travel. Air travel must powerful machinery, necessarily will mast is a tall structure, with a swivel come, cutting down the time distance be even safer. Fogs do not prove a mooring device at the top, from which between countries, and thus strengthreal menace to airships, as with the the airship swings, present methods of navigation it is Plans are now being prepared for a not necessary to see the ground in mooring tower especially arranged for looking forward to the time when air flying between bases. It is true that at use with passenger-carrying airships, liners will bring London within two present the most violent forms of elec- The revolving head of the mast will be days of America."-Otis Peabody Swift tric storms are an undoubted danger provided with a powerful winch for in New York Tribune. to all forms of aircraft, but at the hauling in and a shock absorbing buffer most this danger appears to be less will enable the ship to be coupled up than the danger of rocky coasts and without difficulty even in winds up to shallows to the seagoing ship.

"Airships of this type of the R-38, there will be a passenger elevator by along the West Penn street car line which is now being built at Bedford, which the passengers will ascend to an near the Gemas home, two negroes of flying from England to Egypt, a a gangway and enter the ship. distance of 2,200 miles, without a stop | Pipe lines to carry hydrogen, gasoships would carry about 80 passen- run up the mast, and the vessel can gers, with 100 pounds of baggage for thus refuel at her moorings.

Plan to Fly Giant Dirigibles From | each passenger, and about two tons | weather forecasts that will warn air of mail and merchandise. To put it craft of approaching storms, which can clude in Texas a strip of territory avanother way, 15 tons would be avail- be avoided by a change of course. able for passengers, mails or mer-

> "Comfort in aerial travel is essential if it is to have any extended fu- it is hoped that some way will be ture. The advantage of speed is found of dispersing fog, so that a local thrown away if the passenger is clear area may be maintained about landing. But ample accommodations are marked with brilliant electric heacan be provided for day and night cons and lighthouses are being erected

Sleepers Are Provided.

A proposed car has been designed by Beardmore, at Dalmuir, in which spe-London.-Plans are now under dis- cial attention has been given to the "Sleepers are provided in the shape

> "The whole of the car will be heated by steam generated from the engines, and air will be admitted at the forward end of the car, where it will be warmed over radiators.

"One is struck by the absence of at a base for fuel and is thus imprac noise or vibration in a large airship, ticable for long distance routes. It is, and the absence of smoke or dirt is a furthermore, of limited carrying cagreat asset. The complete absence of pacity, and the disagreeable fe seasickness is also an important con- of noise and vibration cannot

sideration." Craft of the type described by Brig- steadily day and night and has proved its success," said Sir Tre- adier General Maitland already have ing a cruising radius of 2,000 to vor Dawson of Vickers, Limited, been used in Germany on short pas- 3,000 miles, makes a far better passenger routes. The German Air Travel | ger ship. It has been suggested that company, formed in 1910 and financed airplane routes could be used as feedand managed by the Hamburg-Amerika ers to the airship lines, small airplanes Steamship line, ran regular passenger | carrying passengers to a central point, excursions and town to town services whence they could embark on the airfrom 1910 to 1914. During this period ships of transoceanic and transcontithese airships made 800 flights, carry- nental lines. the possibilities of a transatlantic ing 18,000 passengers without a single service," he continued. "It is now only mishap involving personal injury. One steamships also will find them serious they are in Scandinavia, where rein-

"The day of the passenger air liner | between Berlin, Munich and Switzer- | will be the clientele of the transatlan- animal's diseases, parasites and grazis here, and if the task of organizing land. The first of these ships, the Bo- tic airship. air routes is undertaken by big finan- densee, ran regularly from June to cial interests it should be possible to October last year, carrying 30 passenbegin a regular passenger service over gers a trip. It is said that the Zep-Europe within six months with the pelin company is now negotiating with est, and urgent mails should be shipped ships and bases already in existence. American interests for the organiza-The American service would require tion of an air service from Spain to somewhat larger ships and landing the United States and South Amerstations in North America. But it ica, and is designing giant ships with mitted in this way at the cost of one about three-fourths belong to the nacould be in operation in less than a speed of 80 miles an hour for three years. We need such a service, this run. The ships will carry 100 passengers and their baggage, as well The R-34 is the type of craft sug- as six or seven tons of mail.

Valuable War Reserve Force. The knowledge of handling the lightbuilt on the R-34 lines, would be much er-than-air craft greatly increased larger and have a far greater cruising radius. It is said that a rigid airship could be built that would be 1,100 conditions and did valuable service as escort and convoy craft and also in escort and convoy craft and also in S. Africa. 614 120 Australia 1012 190 range of 13,250 miles, cruising radius. rigids were used to locate and pursue the submarines and were able ing form of travel will be thus com-Brig. Gen. E. M. Maitland, who to detect a U-boat far below the sur- bined at a cost that, in view of the savcommanded the R-34 in the transat- face. The new ships, in addition to ling of time, is relatively little greater lantic flight, is a believer in the plan their duties as passenger vessels, can than the present steamship rate. easily be converted to purposes of war "Even the existing airship of today and will thus form a valuable air re- first," says Sir Trevor Dawson.

80 miles an hour. Within the mast woman held up Mrs. Annabelle Gemas,

SHOW TEXAS AS LAND GRABBER

Maps Give It 1,875 Miles That Don't Belong to It, Says Geologist.

NO PROPER STATE MAP MADE

Texas System of Land Survey Inherited From Mexico and Spain-Current Maps Made by Many

Austin, Tex.-According to Dr. Robert T. Hill, former state geologist, who has just finished a study of the topographical features of Texas and is making a report on the subject for the United States geological survey, until recently all existing maps give an inaccurate idea as to the geography of the state, particularly with reference to the courses of the Rio Grande on the South and the Red River on the north. Mr. Hill says that all current maps of Texas locate the Rio Grande, which has always been accepted as the boundary between this country and Mexico, inaccurately. The maps ineraging 25 miles in width and 75 miles in length (about 1,875 square miles), which does not belong to it. Until the World war, when special surveys of the border were made by the War department, nothing was known of the Rio Grande district. These maps, since physically or nervously exhausted on the landing places. All landing places published by the department, revealed the mistake in current maps.

Inventions Increase Safety.

Many war discoveries aid in increas

ing the safety of airship travel. The

wireless direction finder makes it pes-

sible for the ship to find her location

at all times and so navigate success-

fully in fogs. The increasing range

and sources of information of the

meteorological service aids in giving

Laboratory investigations are now

being made of the nature of the parti-

cles of moisture that forms fogs, and

to guide night flying ships along aerial

Airships are even now a safe form

of travel. When rain, high winds or

electric storms approach they can seek

the higher air levels and so avoid dan-

reduced to a minimum, and the san-

ger of engine trouble, ever present in

that repairs always can be made with-

have less than four engines, and it is

improbable that all engines will break

down at one time. Even if half the

engines broke down the ship could

travel at four-fifths of her normal

Public Demands Speed.

both the airplane and the steamship as

a passenger craft. The airplane can

only travel 300 miles without stopping

liners will save the money lost in inter-

Advantages Over Steamship.

the steamship and also the relative

Thugs Return Hero Medal.

American war.

word of a cabled message.

eral Maitland:

away with. The great rigid,

The airship has the advantage over

No Proper State Map.

There is no map published showing even approximately the physical features of the trans-Pecos section, the of the ranges and peaks are entirely The risks from fire have been curately. Doctor Hill has made a special study of these sections of the state the airplane, is nullified by the fact racies through the maps he is preparing for the government. out descending. Rigid airships never

Testing New Bullet-Proof Glass



A demonstration of the value of a new-process glass, designed to protect bank cashiers and others from bandits, was staged in Boston recently. "Nick Carter," of dime novel fame, in private life Frederic Van Rensselaer Dey of Nyack, N. Y., is shown in the photograph firing an automatic pistol at the new bullet-proof glass, the only damage to the glass being slight dents.

any map. They form one of the prin- has been placed on a map. cipal range districts in the state. To the west of these mountains is a long, narrow strip of desert country, lownorthwest into New Mexico. These valleys are not defined on any map

Sacramento mountains of New Mexico. The railroad follows a valley scoured out of the vast plain, extending northrarely by peaks, that it seems as level The Davis mountains, well known to all sides by a wall of higher mountain plied was nearly always meager.

Texas residents, are not included on ranges. But none of these features Based on Settlers' Notes.

The county and state maps of Texas are inferior to those of other states, lying valley plains about 200 miles in | Doctor Hill said, because of the differlength, running along the Rio Grande, ent systems of land survey used in Texas. In other states the land has been accurately surveyed and divided into townships and sections. The sur-The Diablo country consists of un- veying was done and field notes made dulating plains, with peaks of various under United States supervision, as sizes and kinds, extending into the maps of the country were always necessary to acquire land. The Texas systems were inherited from Mexico and Spain. Scrips or warrants were mountainous portion of the state. Many west into New Mexico and southwest issued to individuals, who went out, into Mexico. The traveler from El took some natural object for a corner, omitted and others are located inac- Paso to the New Mexico line is always | measured off a block of acres called either upon or in sight of this plain for for in the shape and direction chosen, about 250 miles. The surface is so and sent the notes to the land office. and will make known many inaccu- smooth, except where it is broken Current maps were compiled from these notes, made by many individuals, as a floor. The plain is inclosed on and the topographic information sup-

Up to 1860, when the geological survey began in Texas, there was only one point in Texas with its exact location on the earth's surface known. This was a monument to David Crockett, near the old land office, on the cap-Itol grounds at Austin. It was located by the United States geodetic survey.

About 1880 some women were giving a bazaar for patriotic purposes in Ausdeer multiplied from an original im- tin. They desired some souvenirs to portation of 1,280 animals made 28 sell at the bazaar, and at their request years ago for the benefit of the Esthe old monument was broken into pieces and taken to the bazaar. Thus "People have asked me what the perished the only point in Texas defifuture of the industry is likely to be," nitely located on the earth's surface.

BREEDING F REINDEERS

United States Plans to Make Ani- ing reindeer for meat. These reinmal Important Factor in Meat Industry.

Alaska Has 200,000 Reindeer With Range for Several Millions-Multiply From Original Importation of 1,280 in 28 Years.

have promise of becoming a factor in When the lines are established the the meat supply of this country as a special mail and passenger service and will pay for speed. These people them, locating ranges and studying the The shipment of valuables, bonds, the agricultural appropriation bill of of 10,000,000, but I think that is too stocks and bullion on the speedy air this year for that purpose.

Alaska Has 200,000 Reindeer. in this way. Even at an ad- logical survey, in urging the appropriavanced postage rate a letter of thou- tion, told congress there are about sands of words could be speedily trans- 200,000 reindeer in Alaska, of which tives and one-fourth to the government and to white owners who have

The advantages of the airship over started a commercial industry in grow-

Joseph R. Perez of Santa Mana, P. to take place in this country.

said Dr. Nelson. "I have replied by

ly to be the increase from 200,000 ani-

mals in the next 28 years?' The in-

crease is almost unbelievable. In oth-

er words, the industry, properly han-

"The Alaskan firm which has started

the industry exported 1,600 head to

Seattle last year. The firm has es-

tablished four small cold storage

plants at points on the Alaskan coast where the reindeer can readily be

driven down for slaughter to be re-

"I believe Alaska contains available range to maintain from four to five

million of reindeer. The estimate has

been made that it would take care

"Five million reindeer would give

an average output of about 1,250,000

reindeer a year. Dressed for market

an animal now averages 150 pounds.

Taking this weight and the present

value of reindeer meat, the fully de-

veloped reindeer industry in Alaska

should yield approximately \$43,000,000

a year. Reindeer have been in Alaska

28 years and their increase under

crude methods of handling has been

almost startling. Under proper scien-

for the purpose of building up a high-

ka running from 250 to 300 pounds

to the carcass, instead of 150 pounds

"The increased weight would in-

fdly.

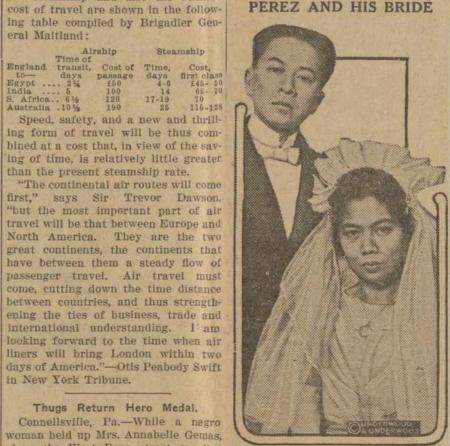
as at present.

dled, should have a great future.

reindeer in 28 years produced the present 200,000 animals, what is like-

Washington.—Santa Claus' reindeer ing problems. Provision is made in

Dr. E. W. Nelson, chief of the bio-



crease the value of the fully developed

in the lease granted by the Canadian government for a great area for reindeer grazing in Baffin's bay region. He informed me that in the Scandinavian countries of Europe about 200,000 reindeer are killed for meat each year.

"We are talking about helping to that is right in sight today, a line, or the German L-71, would be capable upper platform, where they will cross searched her, took her pocketbook, con- I., and Miss Salvador C. Espiritu of big industry, and I do not know of any a dye in place of eggs, the Departtaining about \$30, but returning a gold Manila, both students of the Univer- other like it in the immediate future. ment of Agriculture holds in an anservice medal which the woman's hus- sity of Chicago, were married in that The future looks so promising that nouncement, and federal food inspectin two and one-half days. These line and water to the ship also will be band, the late George Gemas, had been institution, the other day. This is the expenditure which we contemplate ors have been institution, the awarded for service in the Spanish- said to be the first Filipino wedding is trifling compared with what the outcome is likely to be."

asking them the question: 'If 1,280 | One Little Pig Is Cause of Furore

Cincinnati,-"This little pig went to market, and this little pig stayed at home," and this is a story about a little pig that didn't want to do either, and in its efforts to get out of staying home and going to market caused a Cincinnati fire department to go clanging away on a fruitless trip.

The pig was in a pen in the Meyer packing house. It got out, and soon had a throng of employees chasing it madly around. The pig rebounded here and there in the factory, finally coming full tilt against an automatic fire alarm. An engine company, hook and ladder and the district fire marshal responded. Also a great number of citizens, who for the time being were disengaged.

The pig eventually was corralled, with the aid of the citizens.

Wants to Pay Old Bills.

tific supervision and modern methods Nortonville, Kan.-After being abthe industry should develop very rapsent from Nortonville for 20 years, John J. Sheeran writes from Cali-"There are big herds of wild caribou fornia that he wishes to atone for about the Mount McKinley region, his wrongs by paying all his unpaid some bulls of which dress up to about bills in Nortonville. Sheeran says in 400 pounds. We plan to capture some his letter that he realizes now that bulls of this stock and use them with "nothing spotted or unclean can gain an experimental herd of reindeer cows heaven," and that he had made scandal and desires forgiveness of those er grade of reindeer, having greater he has wronged. He indicates that if weight and increased hardiness. I behe does not get the bills in a certain lieve it will be practicable in less than length of time he will give the ten years to have the reindeer of Alasamount or more to charity.

His Purse Returned.

New Albany, Ind .- Dr. John F. Weathers of this city has recovered Alaska reindeer industry enough to a purse containing \$21 in money and bring the potential output around .60. his Southern Railway pass as surgeon 000,000 at present value. That is more for the company, which he lost in a than the fisheries of Alaska produce. store Thanksgiving evening. When "Stefansson, the Arctic explorer, he went to his garage the next mornwas here recently. He is interested ing he found the purse, with the contents intact, on a post near the door, where it evidently had been left by some conscience-stricken person.

Bars "Yellow Streak."

Washington.—A yellow streak is well enough in a gold mine, but has no build up Alaska, and here is one thing place in the make-up of humans or noodles. In noodles it denotes use of gates of interstate commerce to such dubious characters.