BRILLIANT ARRAY OF LAWYERS FOR U. S. IN RIGGS BANK SUIT

Left to right, top: Attorney General Gregory, Jesse C. Adkins, Samuel Untermyer and Louis D. Brandeis. Bottom: Charles Warren and John W. Davis.

A brilliant array of lawyers will represent the government in the pending legal battle between the Riggs National Bank of Washington on the one side and Controller of the Currency Williams and Secretary of the Treasury McAdoo on the other. Louis D. Brandeis of Boston, chief counsel for the government officials, will be assisted by Attorney General Gregory, Solicitor General John W. Davis, Assistant Attorney General Warren, Samuel Untermyer and former Assistant Attorney General Jesse C. Adkins. Mr. Untermyer, who was chief counsel for the famous congressional "money trust" investigation, is said to be an authority on banking conditions.

MULES AS GUN CARRIAGES

Unlooked for Result of an Experiment With a Jackass Battery.

Many strange and peculiar tests are on record in the ordnance annals of the army, but the fact that the experiment of using mules as gun carriages was once made is not to be found there. The army's experience with the jackass batteries is unwritten history.

It was in the Indian wars of the late '60's down in New Mexico that the mule was brought into service as a carriage for artillery. A force of regular soldiers had been sent into New Mexico and Arizona to subdue the Comanche and Kiowa tribes. All supplies were transported by means of mule pack trains.

The soldiers took along with them mountain howitzers, which were carried on the backs of mules. It required several minutes to take the guns from the backs of the animals, mount them and load and fire them. Before the operation could be gone through with the Indians would pick off a few men and mules and would be far away before the howitzers could be again put on the back of the mules and the onward march resumed.

Then one army officer suggested firing the howitzers from the back of the mules. This experiment was made at old Fort Union, N. M., in the summer of 1866. John Catlin, a resident of Albany, who was a trumpeter in the Second United States Cavalry was present, and his story of the test follows:

A crowd gathered to see the test. The target was across a canon from the parade ground. An old patient looking mule was backed up to the bluff over the canon and a well cleaned and carefully primed mountain howitzer placed on its back. Under the direction of a young lieutenant a sergeant loaded the gun and adjusted the mule so the shell would hit the target.

The howitzer was fired by means of a fuse about six inches long. The mule stood patiently, half asleep, and taking little interest in the proceedings until the fuse began to spit, spit, spit, as those howitzer fuses were accustomed to do when lighted. Then the animal began to exhibit mild interest in the experiment, and to turn its head to see what was doing.

As the fuse burned nearer the howitzer, the mule's curiosity grew proportionately, and a further turning of the head necessitated a change in the animal's position. Like a dog following its tail, that mule kept turning to see what was causing the disturbance on its back, and in a moment the crowd of soldiers, Mexicans, etc., were looking into the mouth of a mountain howitzer just ready to send a shell somewhere with considerable velocity.

Officers and men alike scrambled for cover. Some lay down, others ran in all directions. The howitzer soon went off and the shell went screeching straight for the officers' quarters.

It tore through the roof of the post adjutant's house, smashing the chimney and sending the ceiling down on a Frenchman who had been detailed to cook for the adjutant and who was tossing flap jacks in the kitchen. The frightened mule fell over the bluff, and the United States Government's first official experience with a jackass battery was at an end.

It is a matter of unwritten history, however, that jackass batteries were afterward used with varying degrees of success in the Comanche campaigns. Shells were actually fired from mountain howitzers mounted on the backs of mules, but the system never became popular.

A combined steel and concrete railroad cross-tie has been invented. The tie consists of a heavy steel case filled with concrete and re-enforced by a heavy steel bar through the center for rail attachments.

An Illinois inventor has combined a scraper, metal door mat and fiber mat in one article, the metal portion being hinged so it may be lifted for the dirt beneath it to be swept away.

A steel trailer, mounted on rubber-tired wheels, has been invented for hauling baggage behind an automobile, to which it may be attached by a special coupling.

AMERICAN DOCTORS AND NURSES FIGHTING TYPHUS IN SERBIA

Left to right, back: Dr. Czaja, Miss Stephanie Hampl and Miss Mary Bondal. Front: Dr. Frank Klepal and Dr. Synacek.

This group of American nurses and physicians forms a part of the unit sent by John W. Frothingham of New York to fight typhus in Serbia. The photo was made at Skoplje. It shows Dr. Czaja of Chicago; Dr. Frank Klepal of the General Hospital of Washington, D. C.; Dr. Synacek, a veteran of both Balkan wars; Miss Stephanie Hampl of Johns Hopkins Hospital of Baltimore, and Miss Mary Bondal of the Ellis Island Hospital, New York.

EASY WORK FOR VENTRILOQUIST

HIS DUMMY IS OPERATED FROM BEHIND THE STAGE

Telephone Apparatus and Electricity Accomplish Mysterious and Astonishing Effects

The modern ventriloquist is not a ventriloquist at all—or at any rate he doesn't need to be one.

The professional ventriloquist's act is familiar to us all. He usually stands on the opposite side of the stage from his dummy, and, when not asking questions of the latter, puffs vigorously away on a big black cigar. Yet we hear the dummy answering his "partner" with a ready line of jokes, delivered in stentorian tones. Nor is that all, for he turns and twists his head, waves his arms, kicks up his feet, and otherwise acts in a very lifelike manner.

The secret of the dummy's voice is the loud speaking telephone and of his actions various electro-magnets. As may be guessed, both are operated by someone off the stage.

At a recent entertainment given by employes of a large electrical company in Chicago, one of the features of the program was a "ventriloquist" act given by W. D. Lindsey, who was assisted in his specialty by a little wooden dummy styled "Know-it-All." The manikin not only talked remarkably well, but moved his arms and head and wagged his jaw like a lightning rod agent. As an encore he sang one of Caruso's songs, and the audience was about ready to vote Lindsey the best ventriloquist ever, when, to the astonishment of everyone, the full orchestral accompaniment came forth from the little man! Then the secret was out.

In order to produce these mysterious effects the dummy figure is fitted inside with a loud speaking telephone receiver, with the horn or large mouthpiece pointed toward the audience. The receiver in turn is connected with a special transmitter in an anteroom some distance away. An ordinary operator's breast transmitter is also concealed in the body of the dummy, so that whatever is said by the ventriloquist on the stage is transmitted to the operator in the anteroom, enabling him to speak for the dummy at the proper time. When speaking into the special transmitter the operator, by manipulation of a telegrapher's key, which controls an electro-magnet, causes the dummy's jaws to move so that the words apparently come from his mouth. With other keys he is enabled to turn the head and to move the arms and feet. The wiring from the megaphone receiver and from the relays which operate the dummy's jaws, etc., is run down the two front legs of the chair on which the dummy sits.

FACTS YOU MAY NOT KNOW

The warden of a Georgia prison has been puzzled by an order to give one of his prisoners a nineteen days' allowance on his sentence. As the sentence is for life, the order is difficult to carry out.

According to an Italian mathematician, all the people in the world could stand comfortably on an area of 500 square miles, while a graveyard about the size of Colorado would bury all of them.

The unusual size of some game fish caught in irrigation ditches in Washington led to the belief that they had fattened themseves by eating alfalfa, and an investigation proved the theory correct.

The areas of the nine Canadian provinces in square miles are: Quebec, 706,834; Ontario, 407,262; British Columbia, 357,600; Alberta, 253,540; Saskatchewan, 250,650; Manitoba, 251,832; New Brunswick, 27,985; Nova Scotia, 21,428; Prince Edward Island, 2,184.

Some of the spiders of Java have webs so strong that a knife is required to cut them.

Many of the largest Japanese warships have been equipped with wireless telephones which operate successfully for distances up to a hundred miles.

MOTOR SAW FOR FELLING TREES

Will Cut Through 2-foot Log in Less Than Minute.

In attempting to develop an electrically operated device for bucking and felling trees, a lumber company in Marshfield, Ore., constructed a portable motor driven chain saw which will cut through a two-foot log in less than a minute, declares the Electrical World. The cutting elements consists of a motor driven saw toothed chain traveling around the peripheries of two pulleys, one at each end of the frame. The motor is connected direct to one of the pulleys and is supplied with electricity through a flexible cord. The apparatus weighs only 80 pounds, complete.

WHEN POLISHING FURNITURE

Remove the dust thoroughly before starting to polish.

For the crevices use a small stick covered with cloth or a brush.

Should there be any greasiness, wash with vinegar and water before polishing.

Use very little polish and apply on a pad of flannel or soft linen.

Be provided with a second duster, with which to hold the furniture while polishing.

A CAMP OUTFIT

Items and Cost of a Complete Equipment for Four Persons.

Camp outfits are of the most elastic nature, but the simplest outfit includes luxuries which a few years ago could not be purchased.

The first consideration, says the Independent, is the tent which should consist of the best waterproof canvas or silk with reenforced seams and eyelets.

If the tent is waterproof and strong more comfort can be enjoyed under it than if it was three times the size but leaky and easily blown down. The wall tent type is the most suitable for camping purposes. The United States army has selected this type for its men, and by common agreement it proves the most satisfactory.

A good waterproof tent of cotton, five by six feet, will cost about $22 and weigh only six pounds, or one of flax will cost $32. This is for the superior grades.

Standard waterproof tents may be purchased as low as $6.50, but they weigh more and are not so serviceable. Khaki tents, seven by seven feet and weighing sixteen pounds cost $11.50 to $18.50, and waterproof balloon silk tents are priced $14 and $15 for the smaller sizes.

From these prices the tents run up to $30 and $50 for the larger sizes, with special equipments.

For instance, there is a new vestibule tent, used very much in Alaska and the North Woods, which costs $27 for a seven by seven size and a vestibule of four and a half by four and a half. This tent is square, but it has a small canvas vestibule which opens on one side. By keeping this closed a blast of cold air cannot enter the main tent on cold nights, and by having mosquito netting in front of it pests are kept out.

Insect proof tents are also made with fronts of English bobbinet. The bobbinet can be purchased separately and attached to nearly any kind of tent at a cost of $3 to $5. The tents are packed in bags, so they occupy little space for shipment or carrying.

Camp furnishings should include a rubber and canvas floorcloth, a set of cooking and eating utensils, a few collapsible articles of furniture, and such necessary adjuncts as a hatchet, matches, twine, scissors and knife.

Waterproof sleeping bags are invaluable to hunters, for they enable a man to crawl in one and go to sleep almost anywhere in the woods without getting wet. These sleeping bags, cost from $5, weighing only six pounds and without any lining, up to $31 for bags weighing twenty-six pounds and having 16 thicknesses of blanket, so that one can sleep comfortable in zero weather.

Air beds and cushions designed for campers cost from $5 up to $25, and weigh only a few pounds when not distended and occupy only a few square inches in the pack. Folding chairs, camp stools and tables are made in various styles and cost almost any price one desires to pay.

A folding camp table seating four persons weighs only 16 pounds, costs $3, and when packed for shipment defies breakage. Then we have folding bathtubs, basins, lanterns, refrigerator baskets, looking glasses, tubular match boxes and so on.

But most important are the complete cooking and table outfits. For $10 one can secure an aluminum table set for two persons. It will weigh only five pounds and packs into a bag eight by ten inches in size. A set for four persons will cost $16 and weigh nine pounds.

Most hunters cook over an open fire, but a portable stove may be taken if preferred. Pyro alcohol burners and heaters are furnished with some outfits, and in fact complete pyro outfits are made. Warm clothing and blankets should complete the equipment.

From the above itemizing of articles it might seem as if the camper's outfit was rather a clumsy affair, but in reality it is small and compact. The total cost for four persons need not exceed $100 and neither its weight nor bulk would make it difficult of transportation.

The cost, moreover, should be apportioned through several years of use. A good waterproof tent, for instance, should last indefinitely when properly kept in storage.

Oiled Furniture.

This furniture frequently grows dull in appearance during the summer months and needs to be cleaned at least once a month. For this purpose use a little sweet oil and apply it with a soft flannel cloth. It not only restores the brilliancy, but is wonderful in removing all dirt, especially finger marks. It will be necessary to wipe off every particle of oil and dirt. Do not attempt to wash this furniture, unless you wish to ruin it. It can be cleaned with ammonia water, though not more than once a year.

Cover your kitchen table with zinc; then the hottest pots and pans can be put on it without spoiling it. Soap and water will easily clean it, and a rubbing once in a while with kerosene keeps it bright.

Save all lemon rind, dry it in the oven, grate and store in an air tight tin. A little of this added to an apple pie gives a delicious flavor.

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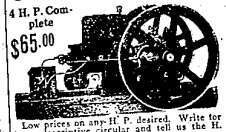

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