PREFERENCE FOR THE FIRST BORN

CIENCE under the inspired leader- | "Natural selection appears to of-Alexander Graham Bell, has just completed a convincing justification of the biblical contention that the first born child was more important to the world than the younger children of his parents. Dr. Bell founded and is now directing the research work of the geneaological record office at Washington, D. C., and his workers upon investigation of hundreds of cases of longevity discovered that the eldest child on the average lives longer than do its younger erage lives longer than do its younger who die are on the average inherent-

Ancient Israel was firm in this and the other hated, and they have children by him and the son of the hated be the first born, and he meaneth to divide his substance among his some, he may not make the son of was established that 217 were first him before the son of the hated. -

he hath, for this is the first of his teenth born. children and to him is due the first. It is doubtlessly true that the early birthright."

Elsewhere is discovered: "And the periority of the first born when he

me every first born among the chil- probably saw the first child die quite dren of Israel as well of men as of often under the extraordinary strain beasts, for they are all mine.

whatsoever is first born in Israel vival of the fittest worked truer in both of man and beast; they are connection with the first born than

with this belief, for in titled Europe vivid during the infancy of the first strike, not a word appeared in print the name and estate is yet handed born there is always attached to it about his activities anywhere. Crowns descend in order of succes- sentiment, however unrecognized and union railroad men on wheels out of sion, determined by birth. The crown uncultivated, Modern American in-prince is always the oldest living son, heritance laws make no distinction Barons and dukes and earls all de-between the eldest and youngest hours notice," says he. "I don't mean vote more time and money to the ed- child, being, in this, like the Roman now, when they are gathered there, weatlon and training of the first born law. However, Rome was alone of but at any time. I once telephoned boy than to his younger brothers and sisters. This has been since the days of Israel merely convention and habiters. it, but it arose in the primitive belief inherit his father's spear and hut. that it arose in the primitive belief inherit his father's spear and hut. in progress. "Where they come from I don't more consequence than the second By this custom civilization in its them listed and they jump at the call.

the Bible was right after all.

redity, whose editor says: "In the controversy over the alleged inferiorlty of the first born no direct investigation has been made of the number of long lived people who were eldest sons and daughters. The genealogical record office of Washington. D. C. has been collecting instances of longevity for several years and its founder andd director, Dr. Alexander Graham Bell, has permitted the Journal of Heredity to investigate the data in regard to the birth rank of old people represented in his collection.

"Of 802 cases which represented in "It has been previously established the mischief. that long lived people tend to come from large families.

"First born, who have sometimes." been supposed to be handicapped with all sorts of physical weaknesses from number of individuals in the last excitement as an automobile. birth rank is somewhat surprising in survive for 90 years or more.

lived people from the population we shove the regular trains off all the would expect to find more first-born tracks ahead, so when we caught the strained, or irritated, or inflamed, and organ," this untutored red bey sits among them because the initial incl 11:15 fiyer, which had started an hour surviving first born more fit on the crawl awhile. We went through or average than the surviving second, by it, or over it, or under it at last

four years longer than the younger, standing start in forty-one and one-1051 pairs of brothers and 733 pairs car through a hot box. That car was of sisters where the interval between to cost us 15 minutes in Buffalo, the births was known and further where we ran into New York, which studied this question of longevity, has a law that a train must carry Again it was discovered that the elifour cars or stand still der child lived, on the average, four

brother born ten years before another brother has probably seven to Chicago to superintend the substiyears' greater duration of life; a sis- tution of his nonunion engineers and born ten years before another sister has probably about six years of a railroad tie-up, had shipped about free duration of life.

with those reported that still births Interborough service. He says he has are most frequent among the first 4500 more trained men here. born, that the health of the first born

I was badly ruptured while lifting trunk several years ago. Doctors aid my only hope of cure was an operation. Trusses did me no good mally I got hold of something that quickly and completely cured me. lears have passed and the rupture as never returned, although I am soing hard work as a carpenter. There was no operation, no fost time, rows no operation, no fost time, rows no operation, no fost time, rows no operation, if you write to me, Eugene M Pullen, carpenter, 289 C, Marcellus avenue, Manasquan, N. J. Better cut this notice and show it to any others who are ruptured—you may save life or at least stop the misery of in operation.

His first job was handling the commissary for a big New York lockout and he says he spent \$168,000 in four days there.

His income during the railroad strike preparations was \$65,000 a day at the rate of \$5 premium per day per man furnished.

Mr. Waddell is a de luxe strike breaker, not a roughneck like the late and famous Mr. Farley of Philadelphia. He lives at the Walderf and he was chumming with Mayor Thompson in Chicago at the LaSalle when Shonts' precipitious long-distance apprised him that the strike was on and was needed post haste.

He has branches in every big city and maintains an organization which

ship of the famous inventor, Dr. fer a satisfactory explanation at the if we take the assumption that those

duced evidence to establish the fact duced evidence to establish the fact ordeal, it follows that the average of that the first born is of superior vir- strength among the first born adults in a population would be higher than In Deuteronomy we find among the second or later born, not the law laid down in this fashion: "If because they were, as a rank, superior a man have two wives, one beloved physically from the start, but sim-

the beloved the first born and prefer born, 11% second born, 104 third born, him before the son of the hated . 95 fourth born, 82 fifth born, 40 sixth born, 53 seventh born, 30 eighth "But he shall acknowledge the son born, 22 ninth born, 20 tenth born of the bated for the first born and and 21 were in a group of the elevshall give him a double portion of all enth, twelfth, thirteenth and four-

Lord spoke unto Moses: Sanctify to had once passed his infancy. which nature put upon him, but rally "For every first born is mine, since and develop into exceptional strength I struck the first born in the land of once he passed the danger point. They beypt. I have sanctified to myself noticed that the old law of the surin almost any other instance and The reference to the slaughter of that the eldest children, when they the first born in Egypt is descriptive did live, were more forceful than of this ancient belief, for when Pha- subsequent members of the family. rach needed the supreme punishment Also from the psychological standto awaken him to the power of the point it is perfectly natural that the God of Israel he lost his cidest son, cidest child should receive more no-The wholesale destruction of the tice and favors than younger ones first born was the most impressive since it is more value sentimentally. lesson that Egypt received, for the For.a time it occupies all of the affirst born were their choicest pos- fections of the parents, and is al- works so quietly that, although he had messions. It is interesting to note in ways an object of comparatively shipped thousands of strike-breakers this connection that Moses, the great-greater pride. It is characteristic est leader of the Jews, was himself that parents eventually care just as the first born of his parents.

The first born of his parents are pride. It is characteristic and even hundreds of rifles and cases of ammunition to numerous railroad to the principle of the principl The modern world is still tinged the hopes being intenser and more points for the anticipated Labor day

Not long ago science advanced the earliest stages became ruled by the argument that the first born was weaker than those children born subsequently, pointing out that there is higher percentage of mortality into some sort of organization in an- To illustrate the scope of this unamong them. Until Dr. Bell's report cient and medieval times were natu- sung business, Waddell assures me was made public it seemed that this rally guided by history and what his- that his transportation bill for shiprefutation of the biblical opinion was tory they had stated that the first ping men averages \$90,000 a month destined to become established, but born son of the chief should be king, the year around, with the New York the American Genetic association has Thus today we find the Prince of Central railroad alone, which makes the Wales regarded as a greater per- him a bigger railroader of passengers world to the sudden knowledge that sonage than any of his younger broth- than all the theatrical producers in ers because his future, by the Eng- America, with all their traveling com-Dr. Bell's discovery, with interesting comment upon it, 'ls contained in a recent issue of the Journal of Heother children of King George.

In this instance the raction companies will

A STRIKE BREAKER

By Jack Lait.

(Copyright, 1916, by J. Keeley.) TEW NORK-Like Sheridan beating be there in person. it up the Shenandoah or the hero galloping in to rescue Sibyl for hig aftairs, must be the secret of the first-act curtain, James A. Waddell, the world's foremost strike-breaker. general people over 90 years of age, rushed to New York from Chicago to art when one sees it cushioned in a lift the Interborough strike or raise mansion car, flying ahead of the Em-

He and I left the LaSalle station and extraordinary traffic sidetracked in Chicago at 1 o'clock in the morn- to let it pass. ing-he to do it and I to tell about it -in the most impromptu special that birth, are relatively more numerous ever whistled out of Chicago, where than any other birth rank. But the a special train attracts about as much

We started to break records. Wadthat the last child of a very large tions to "spare no expense or time" and avoid all sudden changes of illustrative tends, because of exhaustion in the mother, to be defective and is literally, distributed \$300 in tips mination. If dark glasses are worn, it often an imbecile of the so-called among the crew and cailed "Shoot." Mongolian type. The last born is not So we shot. We made Eikhart, 101 necessarily lacking in a tough con-miles, im just 100 minutes flat, inatitution which will enable him to cluding the few slow-ups in our city limits.

"If, then, we draw a sample of long- But there hadn't been time of natural selection left the and a quarter ahead of us, we had to and got started again.

Dr. Bell found out that elder chil From Toledo to Sandusky is 47 dren live, generally speaking, about miles. We negotiated that from a Drs. Beeton and Pearson secured half minutes, but we lost a ballast

The three cars ahead of the private years longer than the younger. These Palace buggy, in which this was writinvestigators say: "Our numbers ten, were smouthed from a suburban show that on the whole earlier born after-theatre train, which was standmembers of a family are the strong ing amiably in the LaSaile station, er, or at any rate fitted to survive waiting to pull out with a line of cars, and were not used to speed.

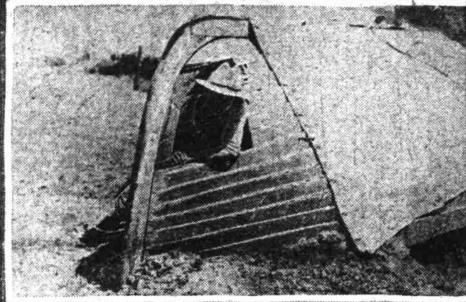
This man Waddell, who had come conductors and firemen in the event The editor of the Journal says: he says he had assembled in Chicago, "How can we square these results to New York early the day before for

It was he who operated the milchild during its early years is below lionaires' end of the Interborough walkout in 1905, collapsing it in 13 days at an average expense of about \$200,000 a day, not counting loss of business.

RUPTURE business.

But large figures do not scare him.
His first job was handling the com-

THE OCCUPATION OF SALONIKI by armed forces representing the several entente powers is accompanied by many unusual sights, such as those pictured below. At the left is shown the beach home of an English Tommy, who has fashioned a shelter from half of a boat. At the right is seen one of the huge British scout balloons, that rivals a Zeppelin in size,





The employers, of

In this instance the New York

of the sensational journey to New

York, two other special trains on

which he shipped the pick of his sub-way motormen from Chicago earlier

and all the swollen wages of all the

men they need to protect property or

run trains. In addition Waddell will

mium running to many thousands a

day. But in order to earn it he must

Personality, still the big factor in

this strange and interesting man's

pire State express with all ordinary

For the Eyes.

Do not face bright artificial lights

with a dark background. Do not admit

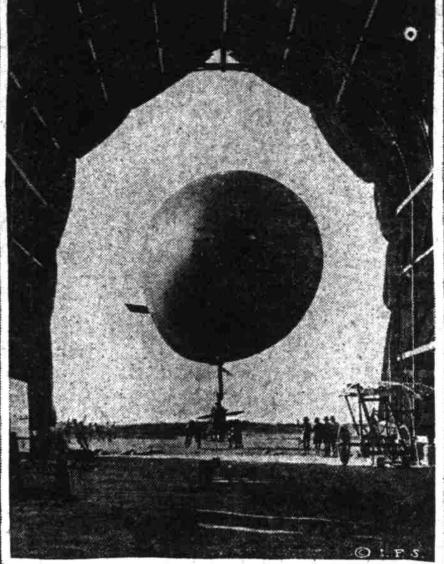
hat is otherwise shaded, but rather

a streak of bright sunlight into a room

weird and lucrative vocation.

paid a per diem per capita pre-

companies will bear the



Indian Boy Is Real Artist



Five-year-old Sampson Simpson, of the Grand Ronde Indian Reservavation, whose silhouettes of animal life are the expression of an

By Alfred Powers.

TW7 ITH a pair of cheap scissors, a action. 5-year-old Indian boy on the Grand Ronde Indian reservaculled from discarded shoeboxes picked up in the rear of the reservation store. view of the generally accepted belief dell, who took T. P. Shonts' instruc- steady a source of light as possible, from pasteboard. No one ever gave

him any training. While boys and girls several years should not be all the time, but only older than he, in city schools throughwhen the eyes are exposed to the out the United States, are making brightest light, so that the contrast their first crude attempts at cutting between it and the feeble light may be silhouettes, guided and supervised by diminished. When light hurts the trained teachers who prize this "cuteyes, in spite of care to avoid strong out-work" as a form of manual traincontrasts, it is likely that the eyes are ing, "to develop the hand as a sense the cause of the trouble should be on his mother's doorstep and from stray scraps of pasteboard cuts sil-

The President's New Flag

This photograph shows the new president's flag which will fiv from

the stern of the Mayflower when the president is aboard. The

new flag differs from the one now in use in that the new back-

ground contains four stars to distinguish from the similar regi-

mental flag of the war department. The four stars in the blue

ground indicates the rank of an admiral, while the United States

seal indicates the higher rank of the president. Three presidents

have approved designs for personal flags, these being Presidents

Arthur, Taft and Wilson. The United States seal has been slightly changed in this design from the regulation seal, one difference

being that the eagle faces to the right instead of to the left, and the phrase, "E Pluribus Unum," is not divided as it is on silver

houettes of animals that he sees about him, silhouettes full of meaning and

Sampson does not trace his pictures. tion, in Yamhili county, has for nearly He cannot write and, so far as anyone a year been cutting wonderful pictures knows, he has no special aptitude for of animals out of pieces of pastboard drawing. That old pair of scissors is the instrument by means of which he expresses with fidelity varying aspects of animal life and action-the This little fellow is named Samp- unbroken broncho backed by the wild son Simpson. He is a full blood reservation rider, the indignant steer Indian. He has never been to school, with stiff front legs trying to diskeep the windows wide open. Use as No one ever told him to cut pictures lodge the riotous cowboy, the frightened fleeing rabbit, the fish flipping free from the water in a curve which city children might think unnatural or even impossible, the hog, fat and obstinate, the lamb, the turkey, the rooster, the dog, the squirrel. The rider of the broncho leans forward: the rider of the steer leans backward; in each instance to give him a perpendicular position, for the horse is "rarin" with his forefeet and the steer with his hindfeet. He cuts no silhouettes that do not show action. Nearly all his outlines have knees and

the kneees are generally bent.

Sampson does not know that he is doing anything out of the ordinary. He is just a stolid, taciturn Indian boy, little more than a baby, dividing the limited advantages and accommodations of his home on the reservation with six brothers and sisters. Two brothers, eldest born, are dead of consumption, the scourge of the Indian. His future is uncertain. Meanwhile, too small to be concerned about it or to know what it means, he occupies himself for hours at a time clipping sheep and hogs and steers into being from the pasteboard that he has gathered about him. Sampson's outlines are not imitations and the habit of making them is not imitative. He did not acquire the practice from watching other children. He did not know that little boys and girls in a thousand schoolrooms were cutting silhouettes. Unconscious of any example or any fellowship, independ-ently and by his own discovery, with a child's natural desire to express the world about him in some form and with facile hands to make this form possible he began making silhouettes.

Special for This Week A Genuine Grafonola possible he began making silhouettes omewhat longer than a year ago,

His dark face is set in inanimate With 9 Selections and All Accessories No Interest demeanor, the corners of his mouth erally silent. He is stolid and unsociable. He is but little trouble to his mother. He simply asks the boon of her seissors and spends the long hours by himself.

Sampson's methods though unhat very reason contain something of pedagogical value to the primary eachers of Oregon. Sampson's way is

Of course, they encourage invention, ploy men at good salaries as inventors, shaken, and rapped, and hammered invention is made as easy as possible. In what follows we shall discuss only such as originate within the laboratorcome hi from outside sources,

by means of a new device or arrange- ruthless destruction. ment. You then tell the chief of your department of the pregnancy of your the most interesting questions: "Which mind. These chiefs and their assist- part will give way first?" After a ants are a select body of men, whose number of instruments have been used positions are much sought after by up in a similar manner, its weakness men of science, because of the interior is strengthened until the whole thing. esting nature of the work and the like the deacon's one-hoss shay, goes agreeable associations connected with into general dissolution at its breakthem. "Have you thought out the ing point. If it is to be used out of idea?" the chief is likely to ask, and doors, it is further tried out in humidyour answer will probably be that you lity and dryness, and heat and cold, would like to think about it a little and shifts of temperature up and more. You may take as much time as down, and subjected to all the things is necessary, or, if you are ready to that happen in all sorts of weather. talk about it now, you may tell your story. Then a good draftsman, who is fied and the factory is ready to prothe idea you have in mind.

it into its first shape. But, no mat- every help is given to the inventor unter how well you are pleased with it, til he is delivered of his thought. Then or how well you have tried it out, it every aid is given to get it into workmake a silhouette. No matter if his next goes to a group of devil's advo- able snape; there are skilled designers cates. These foung men are trained in and draftsmen at hand to pull it reaches out her hand where she laid finding fault, and they have keen eyes through the troublesome times when or defects. After they have tried to little difficulties may kill it. It is kill the invention and failed, it is test- carried and helped through all the He never has to figure to himself. ed out. This is no simple test. What shall I make a silhouette of?" must not injure or work to the ineffi- stand alone and profess to do its work, All the resources of the reservation ciency of other instruments, and it Then come the hard knocks and world are at his command. A dozen must not get out of order. During stresses and strains and wearing down animals simultaneously nod for him to this time it is likely to be amended of actual service. The severe rule of and improved in various features, so standards of the establishment is that He goes over and over his handithat the last design is different from quality shall never go down, and that work, clipping alterations. He takes pride in his silhouettes, though often and better than the first. Then it goes to the manufacturing To little Sampson Simpson there is There is sure to be complaint about

shops, and here it meets more trouble. ly adopted. only the intrinsic joy of making the expense of manufacture, or one difficulty or another, and amendments and changes are proposed, so that when Tests by scientists have indicated ventor he may hardly know his child.

EARLY CAREER OF THE INVENTION

> By Ellwood Hendrick. Introducer of Analine Cils in America.

Copyright, 1916, by Ellwood Hendrick THIS is what happened in the re- in time a number of factory-made insearch laboratory of one of the struments of a form that may be well known electric companies, agreed upon as final and worksble. But the agreement is only a prelim as their methods will show. They em- inary one. The device is joggled, and

and new ideas are also welcome from under all the vicissitudes of contact any one in the establishment. In fact, and strain, and is subjected to all the sorts of injury that it can possibly meet. This continues until the poor ies without reference to new ideas that thing is worn out. They keep at it The until it breaks. Of course, all this process with these is similar in many abuse is studied abuse; it is the qualty of hardship that it is bound to en-Suppose you are one of their engi- dure in time, somewhere, if it comes neers, or physicists, or chemists, and into general use. It is wilfully deit occurs to you that something might stroyed in the exercise of its functions, be improved or done in a better way which is a very different thing from

And right here is answered one of Finally the laboratories are satis-

exceptionally quick at freehand draw- duce. Then it goes formally to a body ing, is turned over to you. By the of consulting engineers, who consider time you have finished talking to him it in all its details. If any one conyou have a clear picture on paper of ceives a new fear about it, back it goes to the laboratories to withstand If the picture seems about right and tests to meet the new objects. Then o confirm your ideas, it is next turned it comes before the chief engineer, and over to the drafting room, a general at his order a number of samples are design is worked out and drawings of sent out in a field test. If this is fathe various parts are made. These in vorable, the device is adopted and it turn go into a model making shop, and finds its way into use there a working model is produced.

there a working model is produced. This is what we might call the tech-Then you have your device, and you've pical career of an invention. Every had the least possible trouble to whip effort is made to get the idea born; It tribulations of infancy until it can every change shall be an improvement. And yet these inventions are constant-

Very like a human career, isn't it?

Every time in the last half century that a census has been taken it has the new factory model reaches the in- shown an increase in the percentage of urban dwellers in England and that thunder cannot be heard at a Then comes a season of compromise Wales, and a decrease in the propor-greater distance than five miles.

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nobody sees them except himself.

There is only the leaping up of his

them down, but they are gone.



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OUT OF TOWN BUYERS This is your opportunity as we pay freight and deliver to your home at our expense during time of this sale. It is safe and satisfactory to buy any of these planes by mail or chased carries with it the Schwan

rabbit or a turkey or he sees a pigeon light with elevated wings. An aim is thereby born. Forthwith he wants to structure backed by Schwan Piano Co. \$12,000,000



when he was only 4 years old.

he natural way.

It is self-appointed busy work that needs no variation. It is play, but it is not objectless play. It is an occupation that absorbs his attention for