

# BY JAMES TODD.

HIS morning | that I might forget her. But I drew William Wid-ger, at his she appeared, and answered her queain the tions about this and that thing jour-Daily Record | nalistis, and listened to her blissfully | office, paused when she told me what a glorious proin the exer- fession she thought it and what an cise of pre- ornament to it she considered me. "She sounded me frequently on my paring the humorous ambitions, and I told her freely what her father was close behind her, laden column and were my hopes,

groaned, gen-"You are wedded to your work," tly, but with she said to me one day. unmistakable "'Lam,' I replied.

Did I do right, Perk?

not made an ass of myself.

pretty well.

"Precisely, Billy. Get along."

knows. At the first opportunity-

ary. The wedding was to occur in

choolmate, and incidentally-

Come to the point."

carnestness. at the adjoining desk, him in amazement. Never stand and changed the subject. I laring his two years of prointiguity to Widger, had a similar demonstration. ed the fact at once.

sthing," said Widger; "that mon. ising serious, I came near eal poem instand of jingle,

that rather serious," said Heavous! Billy, you must Yon're on "the verge of A chap of your talent too careful."

and Widger, Jazily, You weary, Perk, What do you poetry and its relation to ethaustion. Do you consider tion of real poetry an indiweakness at the nerve cen-

see here Billy, I've pre-Hints to Housekeepers and and and Health' columns for clearly as I could-not knowing what er regularly for three years

lave prepared 'the 'Aunt Jeiks With Girla' column," in-Widger. You are a vile Perk.

are so than you, Billy. Don't June. ny sensitive heart, kind friend, The Record is avowedly popular paper in the Misalley among the women. Tis I. Billy, me,

is the women how to cook ato their homes successful; them how that pimply look red less distressful.

lir, I-Oswald K, Perkins, the an, who wouldn't know how if he had a home. That's the ad my success, Billy; I'm orig-

me you do not know any

But as to yourself. 明めい ed to be funny. Your will liked. Some people acingli at it., Your verses jingle ily, and your paragraphs are at of ginger. You hold your You cat. But, Billy, dear, like very different if you should ato poetry-real poetry, as all it. You'd cease to eat. Your deprived of the food they und become toncless, snap Prestration, agony, lingering mswept, unhonored, unsung. oit, Billy smiled

" and he, "you are a freak. the wise-you must be or you beable to humbug the women . You are also a gentlemau, ieve a good judge of ----"

o at you by lantern light groan seeming to rise out of the earth, steam, smoke, horror? I never realized until that night what an awful thing darkness is-darkness to which there is no limit-that almost suffocates a man and strikes him blind. Time and again I involuntarily passed my hand before my face to clear a way itself out. in the blackness for my eyes. "There was a station not far away, and after getting what information 1 could I took my way in that direction to get off some dispatches for the first yearning for light, light, light, Aud, Pork, I-I-there was light." "Celestial fire, Billy?" be steered clear of that sort of obseemed to be my duty. by. confess it with shame. pulse. It was alive.

THE SEEDLESS ORANGE branches, leaving only the naval orange thing about respiration as he did it, and looked at the locket curiously.

GAVE IT TO CALIFORNIA.

Industry Revolutionized Within

From Brazil-Cities Built and Mill-

Twenty-five years ago there were no

writes a corespondent of the New York

Sun from Poucona. The total amount

invested in orange properties in Cali-

Jalifornia, and it has added directly

ounterparts have never been found.

trees were well worth experimenting

the river to cut some shoots of the

trees and get some of the fruit. When

the native returned the Consul was

ions of Wealth Created.

" 'Open it,' said he, unclasping her fingers; 'it may identify her. "I ovened it-I opened it, Perk, and-and it contained my own pic ure-a pieture she had takep hersell An

without my knowledge. "I put it into my pocket. No one noticed, for other victims were brought in then, and the place was in a tur Then I went out into the rain. seedless or navel oranges grown. A moil. and walked and walked, kissing tha few oranges were raised in Florida,

bauble over and over again. It was but the bulk of the supply in America daylight when I saw her again, and and the fruit was expensive. The toshe was being assisted to the trair tal annual yield of California oranges that was to take her home. She seemed little the worse for the shock she had was less than five carloads. Now the Her face was very whiteannual orange yield in California is suffered. upward of 15,000 carloads, and next year it may exceed 20,000 carloads, that was all." "Didu't you speak to her?"

"Yes, I spoke to her; but Jones was with her, his arm about her waist, and with wraps, and I only said 'Ho w fornia twenty-five years ago was about \$23,000. Now something like de-do, Miss Smith?' and swallowed

\$43,000,000 is invested in the orange my heart. "The Gazette nearly got scooped or industry in this State, and the amount "Then she looked at me with an the story of the wreck. They de expression which I did not under pended on me to fix it up, and for is increasing by about \$2,000,000 every year. The introduction of the some reason or other I forgot it. I seedless navel orange has caused these changes. It has revolutionized the orange industry of the United never saw her outside of the office. I resigned my position the next day, was practically penniless, and she and came down here to do humor. necustomed to luxury. I was not in did not dare to attempt anything else, States. It has drawn 13,000 men out society. Our lives had little in com- for fear of going into a decline. I have of other pursuits. It has transformed I loved her. The thing for been fairly well contented, but once cast areas of sunbaked land in Catime to do, as a sensible person, was to in a while, Perk, I get down in the lornia into the most beautiful orange make the best of it alently, and I did mouth. I found this in one of the groves that ever grew. It has been he prime factor in the growth from papers from up there this morning." aothing of a dozen towns of 5000,

He drew a clipping from his posket "Well, after a while her engage- and tossed it upon the desk. Perkins 3000 and 10,000 people in southern ment to one of the great men of the read it:

city-name Jones-was announced, "Um-m-Born, a boy to Mr. and nore than \$43,000,000 and indirectly Mrs. John Jones," eh? Well, what of and it fell upon my harrowed soul \$59,000,000 more to the taxable wealth with much the gentleness of a thunof this State. it, Billy? Didn't you think it possiderelap, I felt bad, Perk, but at the blet The first seedless orange trees were

same time I felt glad-glad that I had "Yes, but, Perk"-and there was a of made an ass of myself, "I had been sorely tempted, heaven voice-"she-she will forget me en-In the summer of 1872 William F. tirely now.

she had dropped into the office to re-Perkins laid his hand lightly upon load her camera in the coat closet-T Widger's shoulder for an instant. shook hands with her and told her as "Go to work, Billy," said he, softly.

'It is better so, to say-how delighted I was, and, "Yes," assented Widger, "it is bet-

sir, she turned squarely about with-out a word and left me high and dry, ter so. He breathed deeply and turned looking every bit, I doubt not, as again to his jokes and jingles.-Phila-foolish as I felt. That was in Janu- delphia Press.

Over a Geyser.

"I worked like a cold weather fly The author of "A Ramble Round and tried to forget her. I succeeded the Globe" tells of some surprising Her visits to the office experiences encountered in the region had ceased with my well-meaut conof geysers and hot springs in gratulatory performance, and this Zealand. One day he patronized the made it easier for me, although my photographer in Whakarewarewa. heart beat like shorthand whenever Being interested in photography, he I heard a female voice from the went into the dark room to see the private office, and the sudden swish negative developed, and there experiof skirls caused me to jump violently. enced a new sensation. But I did not see her again until

Just as the photographer was begin-May-three weeks before the wedning operations, the wooden floor, which was about a foot from the ding. She had been in Chicago, I believe, paying a farewell visit to a ground, seemed to get unsteady, and there was an omineus bump, bump, "Never mind that, Billy," interbump, directly underneath, that was jected Perkins, "You don't know the reverse of reassuring. The phowhat she was doing incidentally. tographer explained matters.

"That's only a small geyser begin-ning to work," said he. "Thave three Widger bowed gravely, "All right, Perk, I thank you, I was alone in below here that work at regular interthe office one stormy night, fixing up vals-the one just starting, another a string of airy falschoods for the next one there"-pointing to a cornerday, when the telephone bell rang "and the other one just underneath where you are standing.

like forty fires. I put the receiver to my car, held it there for perhaps a minute, yelled 'yes' into the trans-Geysers! Starting! I could see them better outside, so outside I went. mitter, bolted into my overcoat and I don't quite remember now whether

turned out the light. I opened the door, or whether it opened "I was at G., S. and X. shops five of its own accord, or whether it fell minutes later, and, swinging onto the down; but I know that in my auxiety rear platform of the caboose attached to see the marvelons sight, I didn't to a wrecking train, in an hour I was take long in getting out of that dark on the scene of the worst railway room.

smash-up in the history of Minnesota. The photographer went on with his "Ever see a splintered passenger "Ever see a splintered passenger train at night, Perk-white faces star-bubble and gurgle under his floor in its own sweet way, while I, watching it from a position of advantage, expected every minute to see the apartment" lifted high into the air on the summit of a boiling column. But no; the building stood firm, the photographer develoyed the plate, and the infantile geyser gurgled and fizzed Difficult Love-Making. "Professional nurses have no busi ness being so confoundedly good looking," said a young man who has editions of the morning papers, recently spent sevenal weeks in a local stumbling along as best I could, infirmary. "The nurse who was delegated to attend to me while I was laid up was a distractingly bandsome girl, with a pure Greek profile, red "Something like it. I stambled over a body finally. I had been dreading it, and praying that I might snalight-and eyes as liquid as fawn's. The first time she put her stacles. It gave out the faintest kind finger on my wrist my pulse ran up to of a moan when I struck it, and I re-coiled as much as lifteen feet, I think, granted I had a high fever and dosed Then I took a firm grip on myself and me accordingly. I tried repeatedly approached it again, because that to lure her into conversation, but she wouldn't be lured. She was strictly "The man or woman, whichever it business. When I started to pay her was, had evidently erawled out of the compliments she would ask me to put wreck and tried to go somewhere. It out my tongate, which was an insurhad failed wretchedly. It was lying mountable obstacle to conversation. I in the long, wet grass at quite a little used to lie there with my tongue distance from the track. It might hanging out trying to put my whole not be found for hours if I passed it soul into my eyes, but it was no go, Nevertheless, I hesitated. I No man can look romantic with half a foot of furry red tongue protruding "Then I knelt by its side and from his countenance. Another way passed my hands over its cold, rain she had of gaging me was by putting washed face and bedraggled hair. It the thermoneter in my mouth. The was a woman. I put my finger to its last week I was there I proposed to her live times, or, rather, I tried to, "The flutter of the straining heart but she invariably choked off my dec acted like a strong stimulant upon larations by thrasting a thermometer me. I lifted the limp form in my into my month. I got so excited one arms and felt my way onward to the time that I came near swallowing a station. It was a long walk and a thermometer worth several dollars. hard one, not unfraught with danger, She was a most excellent young wom for there was a bridge to be crossed, au and had lots of sound common but I reached the end at last and sense, as was evidenced by the fact

branches to bear fruit. In this way he easily created naval orange trees, A FORTUNATE SERIES OF ACCIDENTS | and the problem of growing seedless oranges was solved.

The planting of groves of seedless orange trees propagated from buds Twenty-five Years by Shoots Bronght from the two original trees on the Tibbets place began in earnest throughout southern California in the winter of 1882. In the following year the demand for buds from the Tibbetts trees was so large that a dozen buds sold frequently for \$5. came from the Mediterraneau ports and some growers, desirous of getting navel orange bads of genuine quality, paid \$1 each for buds. In 1884 the two Tibbetts trees furnished bads that sold for \$1500, and a tall fence was built about them to keep people from stealing buds. A year or two later the orange trees that had been propagated from the Tibbetts trees hegau to bear, and they themselves furnished tens of throusands of navel buds as good as those from the original trees. Then the first navel or ange groves began to bear fruit, and from that time the boom in navel orange groves has continued. No one plants seedling orange trees nowadays, and tens of thousands of seedling trees have been builded into navel orange trees.

The two trees from which have come, directly and indirectly, all the navel oranges in the world, are still on the old Tibbetts ranch in Riverside, Since Mr. Tibbetts received the shoots from the Agricultural Department and began propagating seedass oranges, Riverside has grown from a hamlet of less than thirty American residents to a beautiful, prosperous city of 14,000 population, with an assessed valuation of \$8,275,-000. It is the greatest orang-proapparently freaks of nature. Their ducing locality in the world, 10,000 acres of land is devoted to Indson, United States Consul at shipments of oranges from Riverside Babia, Brazil, heard an account from are 1,600,000 boxes, valued at 82,100,antives of a few trees in the swamps 000. All this has come from the iuon the north bank of the Amazon tome sixty miles inland that bore velocation of Tibbetts's seedless napranges without seeds. He was of side Press and the leading citizens vel oranges, and just now the Rivercientific bent and a Consul that knew are urging that the two trees should his business. He had heard of the be removed to the public park and starting of orange groves in Florida there surrounded by an iron fence, so and he believed that seedless orange that the interesting history of the seedless navel orange may be the betwith there. So he sent a native up ter preserved in another generation.

England First, Holland Second in East Indian Possessions.

delighted with the specimens. Forth-with he sent six of the orange tree Arthur I. Street writes as follows in shoots, carefully packed in wet moss Ainslee's Magazine: "The Pacific and clay, to the Agricultural - Depart-Ocean, westward of Hawaii, and the ment at Washington for propagation. The trees did not excite as much at- Marquesas, is like a federation of Enropean nations on Asiatic soil, united tention in the Department as the Two of the shoots, which were no bigger than horsewhips, died from portance, as the States of Europe or be found large and beautiful is may outhusiastic Consul had expected. lack of care in the Department commands the fields with a landed grounds, and the others were almost winter of 1873 Mrs. Horatio Tibbetts, quarter square miles. Poor Spain's eigale reminds the traveler of a similar once magnificent empire is shrunk to a native of Maine, was visiting the less than fifty square miles, a smaller family of her consin, General Bentotal than belongs to black King jamin F. Butler, then a Cougressman George of the Tougas. Holland, the from Massachusetts, Her husband bad recently removed from Boston to country from which emanated the than the common house fly. doughty Boers, owns over 735,000 Los Angeles, Cal., and was about to pre-empt a tract of Government land square miles, settled with nearly eight in the San Bernardino Valley. The times as many people as inhabit the scheme was an uncertain one, but larger area owned by Great Britain, Germany, the new civilizer among naanyhow he intended to grow semitions, has dominance over more than tropical fruits there. He asked Mrs. Tibbetts to get from General Batler 100,000 square miles and about ar an introduction at the Agricultural many people as there are miles. Department. She was then to ask for France, with less than one-tenth of Germany's land, is at some of the most specimens of fruits and shrubs suit-

able for experimental propagation in southern California. Among other things Mrs. Tibbetts got from the De-partment grounds the four surviving orange tree shoots from Brazil. The trees reached Mr. Tibbetts safely at Discretion of the most independent States lie in the midst of this federation, as Switzerland does in Europe; several others in the na happy, suzerainted position of the Transval, in South Africa.

### POPULAR SCIENCE.

Clouds that move in a contrary direction to that of the surface current udicate a change of wenther, because they prove the existence of two nir currents, one warm and the other cold, and the mingling of these frequently causes rain.

The injury to soil from flooding by a high tide is variously estimated to last for five to twenty years. A late investigation in Essex, England, showed that the soil was left with two per cent, salt mostly to the complete destruction of carthworms,

An epidemic of typhoid fever has recently been traced to the use of celery grown on some sewage fertilized ground. As it occurred in an institution it was very easy to trace the cause. Owing to the peculiar nature of the stems it is very easy for them to become saturated with fertilizing waterial.

### The ordinary hydrometer is a vertical float, with a scale to measure the depth to which it sinks and the corresponding density of the liquid. A new instrument measures the density by the inclination of a float, and as the readings are not affected by capillarity, it is much more accurate than

the common form, and is capable of

wonderful sensitivoness. John Murray recently summed up the latest discoveries concerning the occan. The deep sea, he says, is a region of darkness, as well as of low temperature, because the rays of the sun are wholly absorbed by the saperficial layers of water. Plant life is absent, but animal life is abundant in those night-haunted depths. The majority of the deep-sea animals live by cating mud and by catching the minute particles of organic matter which descend from above. Many of the mud-cating animals are of gigaotic size compared with their allies in shallower waters, but they are the prev of rapacious enemies armed with peculiar prehensile organs. Some deep-sea fishes are blind while others have very large eyes. Phosphorescent light plays an important role in the great deeps. Sometimes the ani mals are furnished with phosphorescent organs which recall the use of bull's

eye lanterns. The Australian insect fauna is esti-

mated at 10,000 species, but it is believed that the actual number is considerably greater. Of these the greatest variety is to be found in New South Wales, the scientific collections formed in Sydney and elsewhere being by free commerce of the seas. The of singular attractiveness and inof the American Union. Great Britain flies, often of considerable size; while everywhere during the warmer months eigale reminds the traveler of a similar insect experience in Italy. Native honey bees are plentiful in many places and are easily recognizable by their small size, being little larger Mos quitoes are practically unknown in the dry interior, but their place is taken by the sand fly, an equally mis-chievous insect. There are spiders of all sizes, a few being poisonons, but their webs are generally of a most fauciful character. The splendid appearance of some of the butterflies rivals that of the most gorgeous insects found in South American forests.

## Looking Atter Its Soldiers.

A young army officer, who has seen service on the Arizona plains and on the Maine coast, and who is now in Cuba, tells two stories out of his own

### LAMP BULES HIS WEAPON.

### Burglar Pat to Flight by Being Bon harded by Them. "Of all the outlandish weapons ever

employed in a fight," said a New Oricans business man, "I think I brought the most fantastic on record into play one night last week. My family are away on a visit at present and I am keeping bachelor hall out at the house. On the night to which I refer I was aroused at about 3 a, m, by a noise somewhere in the region of the diningroom and, thinking I had shut up the dog there, I jumped up very foolishly and came down stairs in my night clothes, without so much as a pocket knife, When I opened the diningroom door I was startled to see a big, rough-looking man bending over the sideboard at the far end of the room, and after we had stood there on tableau for a moment the fellow made a rush at me. I leaped back into the hall and glared around for a weapon. On a table near by were a dozen incandescent light hulbs, which I had brought home to replace some that had burned out, and purely by instinct I grabbed one of them and threw it nt the burglar. It hit the door casing close to his head and, to my amazement, exploded with a noise like a young lyddite shell. I suppose it was a still greater surprise to the other fellow, for he let out a yell and broke for the rear, followed by a rapid-fire bombardment of 16-candle power incandescents, which I continued to chuck at him as long as he remained In range. They smashed against the furniture with a series of crashes that alarmed the whole neighborhood and I have been gathering up fragments of broken glass ever sirce. The burglar must have thought I was chasing him with hand grenades. It was the first time I ever knew Incandescents made such a row when they broke. An electrician tells mo it is caused by the air rushing into the vacuum.

THE WORD "OUN." How Its Meaning Has Chauged with

Modern Ordnanets Evolution of the word "gun" forms an interesting little story in an up-tadate etymology. A dozen or so years ago we all understood gun to mean a fowling place-shotgun as distinguished from a rifle or musket. Heavy and light ordnance-in fact, all pieces of artillery, without regard to sizewere known as cannon. That, of course, was in the confines of civilization, where people made an effort to speak English. Out in the frontier the word gun was applied almost exclusively to pistols, and when a citizen of Tombstone or Deadwood invited another citizen to "pull his gan" he was understood to refer to the 44-callbre instrument worn as a chatelainebelt ornament by everybody in good society in those localities. Nowadaya the nomenclature has curiously changed. By degrees the good old term gun has become monopolized by the long, slim, murderous machine that constitutes our modern artillery, We speak of quick-fire guns, wire-wound guns, automatic guns, eight-inch, teuinch, twelve-inch guns, and the word seems singularly apropos. They are not cannon. "Cannon" immediately suggests the big, lumbering, black-throated smooth bores of the past. The word conjures up all sorts of martial pictures-motionless men holding lighted matches, frigates lashed together and firing into each other's ports, Repoys bound to the muzzle, next geometrie

pyramids of round shot, the light brigade and lots of other things too numerous to mention .- New York Tele-

EUROPE IN THE PACIFIC.

-I den't know, ' Read that, and tell me what

proffered the sheet with afmidity, and looked at it from ers of his eyes. Then he it back. pretty bad, Billy," said he

"I don't think I ever read

stim doth rend my heartstrings, with lingers pink

a short of positive disease. feel perfectly well, old man?" am well enough, but I am in spirit. Do you suppose, slaving at the clock-"that you my confidence for about untes it would seriously inwith the glorious work you are benighted women? I think make me feel better." ag," replied Perkins firmly,

fere with that. Go nhead, at back in his chair with an inser on either side of his noseactoristic attitude when in rehe once informed the Reconist when that brilliant

guided young man begged him Ring"-white Widger slowly the sheets from his desk and a into strips.

know where I came from, asked, dropping the strips waste basket.

Paul, Billy. You didn't know at J from a hole in the ground, onsidered Minneapolis mereshapter in mythology." said Widger, "Say, Paul,

ton the Evening Gazette and s were as the sands of the sea. lything, from heavy editorial s, and between jumps I fell It may not altogether be my men are born lovers, ivate the tendency, and some arnst upon them. It was and me. And the maiden's passed into the light of the waiting- that she gave me no encouragement

-Smith," mumbled Perall the bright lexicon of arms all that distance. te is no such word as-go

was a nice girl, as girls go. Widger, "well set head, body, good clear face and ter of her father, who owned lapsed; then it came back in a mighty She was accustomed to wave, and I suppose I did act like a an hour or two each day at maniae. and I had not talked with y limes before I experienced her hand, fastened about her neck by

plaous-might lose me my I-

not know then that I was story." and to do anything better in the " line than to grind on the tors, and one of them pushed me from buked." at ground pay. I made my- her sile by force-he had to use force acep away from the office, so hand from her month. He said some- bune,

room, and-and-and, Perk, it was whatever."-New Orleans Timesshe. I had been carrying her in my Democrat.

"I believe they considered me insane when I laid her upon the opera-

"What's this?" demanded the police, tor's bed and looked into her face. hurrying to the scene. "A hold-up?" A pale, scholarly looking man in For an instant my strength went from me to the last ounce and I all but colspectacles was standing over a burly ruffian and shaking his stender fist at the prostrate form.

"Presume that is what you would "She had an old-fashioned locket iu term it," he replied. "This fellow stopped me just now and ordered me """" and in a ribbon, and she held it to her lips to hold up my hands. I complied, and call it. I suppose it was love, rigidly, as she had held it when she he began to search my pockets. "er said a word about it to was fainting in the long, wet grass." will put a bullet through you.' he said, I reasoned that it would be too Perk, I cannot tell you how I felt. 'if you take them down all during the time I am...' and then I knocked him

"Don't try, Billy. Keep to your down. 'All during' is an abominable perversion of correct English that no man can utter in my presence unre-

The unlucky (ootpad had tackled a at times wishing she | -- and cat the ribbon and removed her professor of rhetoric. -- Chicago Tri-

More Than He Could Stand.

Transvaal, in South Africa Riverside, Cal., a week later and were immediately planted. That was in December, 1873. One of the shoots died from neglect and another was broken and chewed up by a cow.

Five years passed and the two surviving trees came into bearing. In political and social systems, a tangle the winter of 1878-79 they bore six-teen oranges, the first seedless oranges and semi-civilized cultivators of soil ever grown in North America. The specimens were carried about southern California and shown to all rauchmen and fruit growers. There were many who doubted whether the trees would annually bear such royal specimens of orange culture. Nearly every one believed that the fruit would become coarse and tough in a few years more. So the second crop was awaited with curiosity among the neighbors. There were about a box of oranges in the second yield, and they were even better than those of the first crop. The fame of the Tibbetts seedless oranges went far and wide in southern California. People who were growing the old-fashioned oranges traveled hundreds of miles in wagons to see the trees. Still there were less than half a dozen people who believed that such a freak as a seedless fruit could ever be propagated into an established industry.

"I remember the time I saw some of the second crop of Tibbetts's seed-less naval oranges," said ex-Senator J. E. McComas. "Several of us seed-safeguard against anarchy and against safeguard against anarchy; and the ling orange growers went over to people were fit for self-government. Riverside purposely to see what truth adding to their fierce jealousy of there was in the statement that Horatio tyranny a reluctant and by no means Tibbetts had trees that grew oranges without seeds. We looked the two sion that it could be averted only by trees over and over, sampled the fruit coming to an agreement among themand wondered how it could be, selves. In consequence, Washington Larger, julicier and more pungent fruit we had never known. But it all him Dictator, nor allow the Conti seemed so frenky that no one dared neutal Army to march against the risk several thousand dollars and six weak Congress which distrusted it, or seven years in trying to grow naval was ungrateful to it, and refused to oranges for market. Moreover, none provide for it. Unlike Cromwell, he of us knew how to go about having a saw that the safety of the people lay grove of seedless oranges because in working out their own salvation, there was no seed to start it."

Mr. Tibbetts was sure that there was a fortune in his new variety of to morality, but to their own interests oranges. For two years he experi- and, in the long run, the people justimented with propagating trees from fied this trust .- Theodore Rooseve shoots and cuttings from his two seed. in Scribner's. less orange trees. But all his at

tempts were failures. Finally he hit

a continuous body of land, they would form a most heterogeneous empire.

They would include, in addition to European peoples with their various and commonwealth, an emporium of products more diversified than a bazaar on a midway plaisance, a mystery of American Indians. Profoundly for ested in the Dutch East Indies, the islands become in Western Australia more barren then the lava beds of Eastern Oregon, and more irreducemable than the uppermost wilds of British Columbia. Fertile, balmy and luxurious in the beautiful lands of New Zealand, Fiji, Samoa and Tahiti, they are transformed into uninhabitable coral reefs or into hot and malarial bods of struggle in the guano covered or copra-producing dots on the map north and east of a line drawn from the Philippines to New Gainea. and through Samoa to the Society Isl ands."

Washington and Croiowell.

After the American Revolution, Washington's great character, sound ommon-sense, and entirely disin terested patriotism, made him a bul whole-hearted, but genuine, admis-

even though they showed much wrong headedness and blindness, not merely

Tools and Progress.

upon the scheme of budding from the Despite all the attacks upon ma seedless naval trees upon seedling chinery, an age without tools is an trees. Experiments along that line age of drudgery and degradation. H were successful. It was found that a once men toiled sixteen hours a day, bud taken from one of Tibbetts's two with a single stroke Watt's engine cut naval orange trees and graited into off two hours in the morning for the bark of a seedling tree would rest and two hours at night for readgrow to be a limb, which here seed- ing. The modern home, with a thou-Then Mr. Tib- sand and one comforts, is the gift of less naval oranges. betts grew tiny seedling orange trees, just as had been done by orange trees, growars for ages, and budded into the trunk of each little tree several tools, we now compel steel fingers, steel knives, steel wheels and steel wires to do our work. 'Take away our tools, and civilization would go back naval orange buds. When the buds had become branches of the trees, he Hillis, in the Woman's Home Com cut away all the original or seedling | panion.

experience, to show the accuracy with "If all the islands could be put into which the War Department follows the movements of officers. "I was with a small scouting party

in Arizona," he says, "and after two weeks in the desert my squad came to the railroad near a small station. Within ten minutes a dispatch from Washington was brought to me by the station agent. It asked if I wished to be transforred to one of the two new artillery regiments then forming. "I answered by telegraph that I

should be glad to enter either of them. Then we set off again across the desert. "It was six days later when we

again struck the railroad, this time eighty miles from the point at which we had previously crossed it. But my reply from the department was awaiting me. It had been telegraphed to every station within two hundred miles.

"A more striking instance of accuracy occurred after my transfer to the East. I was traveling home on leave, and as the regulations require, I had notified the department of the day, hour and probable route of my journey. After I had been on the train for eight hours, at a small station the porter entered with a telegram, asking if any one of my name was pres-On opening the dispatch, 1 ent. found that it was from the adjutantgeneral's office, ordering me on de-

tached duty. "Exactness of detail could not be carried much farther. The department knew the whereabouts of an insignificant second lieutenant, even when he is traveling on leave of absence.'

#### Flapping of an Insect's Wings.

The slow flapping of a butterfly's wings, necording to Sir John Lubbock, produces no sound, but when the movements are rapid a noise is produced, which increases in shrillness with the number of vibrations. Thus the house fly, which produces the sound F, vibrates it wings 21,120 times a minute, and the bee, which makes a sound of A, as many as 26,-400 times. Professor Narey, the naturalist, has succeeded by a delicate mechanism in confirming these numbers graphically. He fixed a fly so that the tip of the wing just touched a cylinder which was moved by clock work.

### Cut Both Ways.

In an interval in the drilling one of the volunteers belonging to a crack regiment stepped out from the ranks to light a cigar from that of his officer.

The latter took this evidence of the democratic spirit of freedom in good part, but said by way of a hint: the regular army you couldn't have done this to an officer, Brown.

"Right you are," responded the private, "but in the regular army you could not be an officer."

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