

Read SIR ALAN COBHAM'S Thrilling Story Within!

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One hundred passengers and a crew of fifty will ke carried by this enormpus airship-the R100-which is now nearing completion in the Howden (Yorkshire) works where it is being built for the Air Ministry, It will be ready for its home trial flights in April. Then a demonstration flight to North America will be undertaken and plans made for a regular Transatlantic airstip
zervice between London and Nov Yout In R100 will probably do that trip in aboet fertsidu boers and the fare, it in suggested, will bo abua 120 . Should the R100 prove the success it is expect io bo, fiye other airships will be built es dixar lisen to eperate on alternate days between Eaghad and North America. (Sec article on page 5.)

# MoidernBous.SWord ag fenamp 1 ficues <br> By " WAYFARER." 

## THE REDSKIN'S CANDY!

AGREAT pal of mine, when I lived in Florida, was a seminole Indian chief. I first met him when he came to a little country store on the Gulf. Coast to do some shopping, and I was struck by the fact that his purchases were cartridges, chew-ing-tobacco, and candy! He bought a great deal of candy, and the storekeeper said that all the Indians wanted sugar-sticks and syrup.
The horned person in our photograph is not my friend the Seminole. He is Chief Calf-Robe, of Montana, where he lives on the Glacior Park Reservation. But by the look of ecstasy on his face he is clcarly just as foud of sugar-stick as was my Seminole!

When an Indian of the Southem States camot get sweets he chews sugar-canc. All the little negro piccanimies love sugar-cane, and it is chewing this hard and stringy cane that makes their teeth so white and shiny

## STILT SKATING.

Some people like to do things diferently from anyone else. That well-known war correspondent, the late Mr. Frederic Villiers, who was a great friend of mine, was very fond of bicycling, but disliked the ordinary bicycle because, as he said, he could not see over the hedges as he rode along!
So he had a special bicycle built, a sort of twostery affair, of which the saddle was a good four fret from the ground, and on this he used to ride all orer England.
It looked very unsafe, get he rarely took a tumble, and lie must have ridden it thousands of miles.
It may be the same sart of idea that has induced Mr. Syd. Charltons, the well-known fancy skater, to wear these queer stilt skates. Most of us, however, would most certainly think twice before risking limbs and neck in such a fashion!
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## IIMPING HOME!

Hammered by the most terrific gales she had known in all her thirty years of battling with hurricanes and huge seas, main and mizzen masts goue, sails in flapping ribbons, her chief officer killed by falling rigging, there limped the other day into the quiet sanctuary of West India Dock, London, a gallant old windjammer.

She was five months late on her trip from Adelaide, Australia. With her cargo of wheat, the E. R. Stirling had been storm-driven time and again miles ont of her course. She had covered nearly 25,000 nightmare miles all told, being in such an unmanageable state at one time that for 4,000 miles she had to be towed!

## HATS OFF!

Heroics become commonplace in circumstances like that-so the crew think. But perhaps we must award the palm for sheer heroism on that old windjammer to the young wireless operator. Mr. M. B. Auderson, who clambered aloft in one of those screaming hurricanes-with storm. drenched canvas, torn to ribbons, flying loose and threatening eresy noment to flay him alive-and ou one of the cracking masts rigged up a makeshift aerial!

Calmly he clambered down again and commenced afresh to send out the S.O.S. signals which had been interrupted $w$ linn the regubation aerial had, like the great main and mizzen masts, "gone by the board"!
I think Father Neptunc himself must feel proud of that young fellow and his grim determination that wireless should still rule the waves!

## BROADCASTING!

The good people of Waltou-on-theNaze how enjoy-or should I say listen to? - the wireless programmes by a very novel method. All that they have to do is to pay halita-crown-per week and turn on the loudspeaker whencver they ehoose-no set to install, nothing to go wrong, no nothins" "
How is it cone? Quite simply. An enterprising tomsman, a Mr W. R. Dockrell, for a charge of Is. 6d. per week installs a lourlspeaker and as much flex as required in each house. Then, from the receiver and amplifier in his own house he relays the programmes by neans of land and overhead lines to the subscribers.

The set is always tuned in to 5 X X, Daventry, and it is possible for hundreds of people to listen to the one receiver.
And now, who is going to follow Mr. Dockrell's enterprising example?

## CAREERS IN THE MAKING.


cover uplifted you like to take a look at the "box of tricks" underneath. Also, you like using tools, and it doesn't worry you an awful lot if you get a blob of lubricating oil on your hands. If you're this sort of chap, you've got the makings of a motor-engineer in you.
Now, do you want to be a man who designs engines, or to be a fellow who builds them-or both? Let's assume that you want to be both; you can choose your definite line rater.
The designer must know about the theory of engines, about the strains and strcisses that metals will stand-in short, he must have studied mechanics. He should also be something of a draughtsman, so that he can put his ideas down on paper, and he must have knowledge of mathematics-all of which sounds rather formidable, and brings us to the question of where one can learn thesc things.
Thes are not taught in ordinary
schools. You learn them when your normal school dajs are over. 'There are special echools where you can be instructed in beth the theoretical and practical side of motor-entineering-if,you are able to persuade the pater to pay the fees. Failing that. gou can take a course at the local technical institute or the local polytechnie

Absolutels the best. ray of setting about moter-engineering as a career-asomming that you can't go to a Enecial school of motor - engineerirg, ior some reason-is to get right into the game. Don't aim at a big motorfactory as a start, because the work there ie resy specialised.
Try to get a jeb in a decentsized general repair-and-service garage, and there they mill teach you rour mas abor: a cir. In the evening rou cas stady mechamics at the techneal institate.

You are bander then to be a designer ${ }^{3} \mathrm{n}$ d peczing up the practical side of the business at the eamo time Erening study is essential ii rea are going to get anywhere, if sea can't take $a$ complete erinere at a epecial school of motoring. Fou'll progress like a house a-fite if you are keen, and you will also have the chance to decide jost what branch in which gou rant to epecialisetheory or practice.
If you start straight array in a big motor-works, you are liable to find tourself put on a milling machine. or giren some particular job to do. Yua won't learn all the things jou want to know. The time to go into a big motor-works is when ton lare gained a working lnowledge of motor-engincering generally.

The big works will then give You a chance of using your knowledge, and 500 mill be able to steer your career in just the direction you krant. The openings in tris braneh of tive world's work are abeolutely unlimited.

TERE are two kinds of workers in the world of motor-engineering. There is the man who designs engines, and the man who builds them from the drawings, or repairs the engmes when they go wrong. Sometimes you will meet a fellow who can not only design a car, but can handle tools and build it as well. Such a man is comparatively rare.
Of course, the designer must know how a motor-engine is constructed, and it helps him a lot if he actually does go "through the shops." "Shops" is the term usually employed to indicate the workshops where motor-cars are constructed, and such practical knowledge is really invaluable.
Let's assume that you want to be a motor-engincer. You are fascinated by the sight of a powerful car roaring along the road at speed, and whenever you see a machine standing with its engine-

NEW YORK NON-STOP!

## The World's Greatest Airship-British to the Backbone! London to New York by Air in 48 Hours!

HAVE you seen those luxurious new. motor-coaches, with their dining. ${ }^{-}$ tables, lounges, shaded lamps, and white-suited stewards? "Liners of the road," some people are calling them, and they are the last word in comfortable travelling on the highway.

Can you imagine all the luxury of one of them transported to the air, with the addition of a dancing floor, reading-room, six-course dinners, lifts-and flying from England to America in 48 hours? You would travel with 99 other passengers, a, $\because$ y you would have a crew of 50 to look citer you. This aerial char-a-banc is colled the R100, and is the biggest airship ever built-or will be when she leaves her shed at Howden, in Yorkshire, to take the clouds in April.

In length it is 709 feet. But you can get a better idea of its dimensions from the picture on page 2. Her mighty framework is built of duralumin, one of the strongest and lightest metals known. This framework is an absolute miracle of workmanship. It is a maze of girders, all shining with smooth varnish and, despite its apparent fragility, it yet gives an impression of terrific strength.

It may look flimsy, but it has been constructed on the same tubular girder principles that were used to fling the giant Forth Bridge through the air-and look what a great job the engineersmade of that!

Inside her envelope the R100 carries fifteen balloonettes - and a hotel which is complete with a dancing floor, smoking-room, lounge, restaurant, promenades, service lift, electric cooking stoves, and a whole heap of other luxuries!
This "hotel"


Part of the framework of the air mammoth in the making. Note the comparative size of of the air mammoth in the making. Note
the men working on the enormous girders:


Young Sparrow, in his thoroughly determined Search for Fame, decides to become-a Film Star ! You'll thoroughly enjoy this really funny yarn!

Complete in this Issue.

T
HE attraction wasn't in tlo money, not it, although $£ 1,50$ a week was not to be sneezed at. Nor had this $\mathfrak{£ 1 , 0 0 0}$ actually started to find its way into Sparrow's pocket every week, although he had erery reason to feel that it would. But it wasn't that which was leading him on.

Was it for pelf that he had hunted brigands to their lair; that he had braved sharks; that he had smuggled out of Egypt a venerable, if disappointing, mummy; that he had snapped his fingers in the face of the law by driving a taxicab without a licence? No, a more sublime spur had driven him forward.
It was just after his bad luck with The spick-and-span taxi that he ran lown to Castlegate School to see his rivend Willett and lead him out for a feed at the Castlegate. And when presently they were taking their ease in that spacious hotel (which everrone who knows Castlegate knows inside out), he inquired of Willett:
" Do you remember, or don't you, what I said to eld Eggett when they -uperannuated me last term:"
Sparrow's guest had done himself well, and looked rather sleepy.
"Do IF" he rejoined, in au indifferent tonc. Then he pulled himself together. "Sparrow," said he, "have you got such a thing as five bob to lend to a chap:"
"There is seven-and-fivepence you owe me from last term:' sighed

Sparrow, whose memery in such matters was like a machine.
The lightning calculator beside him beamed blithely.
"Then five art seven will make a round number," he breathed.
Sparrow counted out five shillings and seven pemmics.
"That is thirteen bob," he remarked. "An unlucky number."
"Beastly unlucky!" said Willett, with singular candour. "What were you going to mumble about the old Egg?

* You remember I swore to him that I'd sear like an eagle?"
" I sort of remember. He said jour wings were too moulty."
"He didn't!" rapped Sparrow. "He called them pinious, not wings. Well, I've spread them once or tivice, but they've let me down rather. Still, if at first you don't succeed-you know old Bruce?
"The drawing master?" said Willett, searching his memory.
"No! The king who kept spiders, you ass!" cried Sparrow indignantly.

Willett growled.
"No, I don't know him. I'd rather keep silkworms."
"That isn't the point. The point is-what I tald Eggett. Any sugges tion how I can make that grod:
The oracle pondered awhile.
"Look here," he pronounced, "you know that thirleen bob that you tipped me just now: ${ }^{3}$
"I didn't tip gou thirteen bobs" countered Sparrow.
"Oí course you did. And I'll gire gou a tip in return. I'll tip rou an
introduction io $\begin{aligned} \text { Ey } \\ \text { jolly } \\ \text { old } \\ \text { uncle. }\end{aligned}$ He's a bit of a stinge, but you go to his office and tell him were pals and I bet rou that he puts rou bang on the road."
"On the rowd, or into it:" Sparrow said faintly.
" Inshoe, res try the old bounder," pressd Willett.
So Sparres retarded to London anil called on Willet's ancle, who didn't look particelariv -jalls" or "old." He had a gocd sqoare jowl and hard, watchful festeres, with that glint in his eyes which could be observed in his mepler's whea the latter was feeling his experianced way to a loan. Indeed, it cereed to Sparrow that something sas wrong when instead of beginning their interview with "Hare gow soch a thing as five bob to to a chap:" WVillett's mele atot oll 3 brsinesslike:

## $\therefore$ Well?

"My ince" aid his risitor, helping horelf to a chair, "is Sparrow. MF initiats are T. W.S. Sir, I was at Cathate with sour nephew."
 * Binds of a feather:"

This did rot connd encouraging. Still, ase merer $k n \in$. No doult Wüllett ras really his uncle's farourite nephew-stranger thing's hol happened; though not many, perbapa

## So Epario stuck to his task. -

" Here goes!:3 he said to himself brarely. Aloud be went on: "I're just come from seeing your nephew, sir. He sends you his love, and he sers he's awfully sorry he hasn't
written, but he's so hard at work for the history medal. He's specialising in King Bruce, sir, and those times. He's working frightfully hard, sirfrightfully hard.
"The change will do him good!" observed Mr. Jowis.
"「es-I mean. I wouldn't say that, sir, entirely. You've no idea how lard-working Willett can be."
"I haven't. I never could have !" swapped Mr. Jowis.
"Oh, sir! He hides his industry under a bushel."
"There isn't a bushel small enough!" growled Mr. Jowis.
Sparrow thought again. The virtues of his friend Willett did not seem the happiest card to play. He must shuffle the pack, se to speak, and try a fresh deal.
"Willett told me, sir," he began, "how generous you arc."
"Yes!" rejoined Mr. Jowis, in a new tone.
"How generous and jolly, sir! And he said only yesterday that you were the one man in England who could give me a land."
"Ah!" remarked Willett's uncle, smoothing his chin.
"Yos, sir. He says that you know everyone who is worth knowing."
The hard-featured man leaned back and regarded his visitor. This ingenuous, innocent face, with its slight tinge of melancholy, was hardly the face of one whe would come to play tricks on lim, or try to get round him by flattery. No, he retlected. He liked, too, his caller's well-cut clothes, his smart shoes, his head, which was brushed so preciscly, lis amiable air.
"Just so!" he replied. "I know everyone. What can I do for you?"
"Well, it's this way, sir," sparkled Sparrow. "But before I begin. lou've heard, of course, of Alexander the Great?"
"The Roman Emperor! Of course!" declared Mr. Jowis.
"Yes, sir!" said Sparrow, uneniling. "Well, then you remember, sir, that Alcxander the Great was famous lucfore lie was ninetecn?"
"Yes, I remember perfectly," frowned the good man
Sparrow fixed him with a penetrating bright cye.
"Sir, I'll have a jolly good stab at being famous before then, for we've moved on a bit since Alex. ander's days, haven't we?"
"Undoubte dly. Then sou haven't got to nineteen yet?"
"I've three morè years to go, sir."
"Oh, plenty of time!"
Sparrow's heart bounded.
"That's just what I've always felt, sir. But I don't want to let the grass grow under my feet."
"Well, I've never
heard of grass that grew in the air. But what have you come to me for?"
"A hand, sir," said Sparrow.
"A liand to what?"
"To Fame, sir," Sparrow said hopefully.
"I' sce!" nodded Willett's uncle. " Because I know everrone, rou fecl that I can put you upon the right track." He considered a moment. "Well, what do you think of the stage ?"
"Not much, sir," said Sparrow.
"I mean, ha:e you had any experience of the stage?"
"We were always doing theatricals, sir, at Castlegate."
"Capiषal! And you took part, I suppose?:"

Sparrow inclined his head gracefully.
"Tes, sir," he owned. "And I often kept the play going off my own bat."
"Did you! Did you, indeed!" exclaimed Mr. Jowis. "Then you must be quite good!"
"Yas, sir. I was prompter," sighed Sparrow.
Willett's uncle looked him well up and down, then selected and carefully lighted a very big cigar. When he had got this drawing to his full satisfaction, he announced
"Now let me see how you carry yourself. Go out of the room, and come in again at a brisk pace. Hold your hand out as you come in, and
shake my hand cordially. Cordially, mind. I shall be a dear old friend whom you've not seen for years, and I shall-er-assume great pleasure to meet you. Gio ahead!"
The "old friend" had spoken more truly than he supposed, for the pleasure certainly nceded a lot of assumption. Sparrow went through the pantomime with such heart and soul that the hand stretched to meet his writhed and crunched in his grip, and the eigar dropped and started to burn a lole in the carpet. He picked it up sedately.
"Like that, sir?"" he asked, and looked disappointed when Willett's uncle only groaned.
"Sir, shall I try again?" he rolunteered eagerly.

## (Continued on the next page.)

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#### Abstract

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The Modern Boy

## Well on Top!

(Continued from previous page.)
"You shall not!" replied Mr. Jowis, with a fierce shout.
Then he massaged his fingers. "But to give you your due," he went on, "you have qualities that may carry you far on the films. You certainly register cordiality strongly."
"Sir, I did my best," Sparrow said modestly.
"Well, what alo you say to the films?"
"As a star, sir?" chirped Sparrow.
"As a shooting star-"
"You mean, I'd shoot on and eff, sir?"
"If they fired you, yes," Mr. Jowis assented. "Well, how would fifteen hundred pounds a week suit you?"
"It's the fame that I'm after, sir!"
"You'll get that as well. They tell me Tom Mix gets fifteen hundred a week. That, and the celebrity of being a star-"
"Will suit me down to the ground, sir!" Sparrow completed.
"But, of course, sou can't rush it. You've got to start at the bottom."
"Corks soon rise to the top, sir! I'm like a cork!"
"Just so. And eagles soar. Or so I have heard," Willett's uncle added, with a queer smile. "I understand from our mutual friend Mr. Eggett-"
""We were talking," Sparrow interposed firmly, " of films."
"Yes. Now I've seen how much jou are capable of," agreed Mr. Jowis, gloomily eyeing his carpet, "would you like me to give you an introduction?"
"To the people who make films?"
"To a first-class firm-yes."
Sparrow said:
"Thank you, sir!".
Mr Jowis said:
"Then that's that. I possess a good deal of influence in the film world, and all of it is entirely at your disposal." With which assurance he rose and bade Sparrow goodmorning.

So there it was! It was plain as a pikestaff to Sparrow, sitting in his rooms and thinking it out, that the quickest way to fame was via the flms. Film stars were not made; they were born-he knew that. Just like poets, he reminded .himself, somewhat classically. Either you were a poet or you weren't a poet; and either you were a film star or gou were not. There were any amount of film stars walking about, only they hadn't the gumption to know they were film stars, just as there were any amount of poots, although they never put their poems down on paper.
"Sheer logic!" purred Sparrow.
He. could view the immediate future, then, with assorance. After a brief apprenticeship of some sort, he would be singled out to play a small part, in which he would sweep the directors clean ofi their feet. That would be this time next month, say, or six weeks. Another three months and he would be playing $a$
lead. And the rest would be plain sailing-to his own company. "The Famous Sparrow Players"-yes, that's what he'd call them!

He closed his eyes and leaned back, sceing it all. Deliciously, the vision flooded his being. In every picture palace throughout the world he saw the lights diminish, the curtain recẹde, the audience-packedholding its breath, the chocolate girls hushed, the pageboys who walked about with scquirters struck motionless, the organ breaking into its most solemn tune, while majestic capitals blazed on the screen:
"WHEN ROME WAS IN ASHES!
THOMAS WHITCOMBES. SPARROW'S LATEST AND GREATEST TRIUMPH!"

Which slowly faded out to make way for this:

T H O "Featuring-
THOMAS WHITCOMBES. SPARROW
and
MARY PICKFORD."
And this, in turn, gave way to something like this:
"Written by
T. W. S. Sparrow

Titles by
T. W. S. Sparrow

Camera
T. W. S. Sparrow

## Sub-titles <br> E. Willett."

Yes, it would only be fair to give Willett a look in.

And Willett's uncle, by Jove? They mustn't leave him out. Assistant Camera: John Henry Jowis. How would that do?
"It couldn't be bettered !" Sparrow answered himself.

So there it was! All plain sailing. Fame at a leap! He wondered why it had never struck him before. Of course, he conceded, it meant a slight grind to start with; when he reported to-morrow, for instance, at the studio to which Mr. Jowis had introduced him, they would keep him waiting about for a day or two probably just to get the hang of the thing and the atmosphere, and then they'd put him on, perhapes, to turning the handle when the camera-man was laving his grub or something. But-they'd pretty soon spot that he had the real star-stuff in him, and, of course, he'd explain how stars are born and not made.
Before he turned in he wrote a letter to Willett explaining what a trump his uncle had been. And he dropped another line to an admiring friend who owned and drove a certain spick-and-span taxi.
"Please come for me with your cab at nine a.m. sharp," this line ran.

He thought he had better arrive at the studio in style.

Iwas certainly as well that he'd turned up in style, for his reception was very nearly fit for a prince. The moment his taxi reached the gates of the studio, which stood in the company's own park, and before the driver could jump down and ring the lodge bell, a commissionaire, whose chest was smothered with medals, had darted forth, had opened the door of the cab, had helped him out, had relieved him of his attache-case-in which he had thoughtfully packed some egg and cress sandwiches-and, swinging aside the magnificent wrought-iron gates, bowed lim through and conducted him up the avenue.

This reception rather astonished Sparrow at first, until he remembered how grandly film people do things, and remembered as well what fine credentials he brought! It was only natural that they would wish to pay every attention to a friend of Mr. Jowis.

So they'd told their commissionaire to be on the look-out for him, and not keep him waiting, but bring him along at once.

His convictions were confirmed when they came to the studio--where, intrepid as cver, he tipped the com-missionaire-by the fervour with which a gentleman in his shirtsleeves, with a silk liat on the back of his head and a few diamond rings, sprang forward and took his hand in a brotherly clasp. Then a pursy man, who was reading aloud from a manuscript to a number of ladies who didn't appear to be listening, crumpled up the script, and came bustling across to seize his other hand and shake it effusively. This, be discovered, was Mr. Whomp, the author, and the other in the silk hat was the producer.
"There's nothing stiff and starchy about them," thought Sparrow.
There was not. He was next surrounded by the leading lady, Miss Gladdie Slice, and the whole company, all registering their delight to make his acquaintance. They were all one happy family, Sparrow could see that, and eager to let him feel he was one of themsclves.

Suddenly the hum of voices was broken. by a single voice which said in low tones :
"Well, the scene is set now, if you are ready?"

Sparrow wondered whose voice it was, until he detected that it came from his friend of the shirt-sleeves and the silk hat, who was standing by the door in an inviting attitude, together with three pimply-ish men with three cameras.
Good! He was going to see a scene done! This was topping! But how decent of them to do a scene specially for him.
"I say," he whispered to Mr. Whomp, "what scene is it?"
"Your scene, laddie !" Mr. Whomp replied heartily.

BUT this was too entrancing for words. It was staggering! Not only had they welcomed him like a prince and given him the run of their wonderful studio, but actually they had found him a part as well! Of course, he knew it was
all for Mr. Jowis' sake-but, even then, how perfectly gorgeous of them. It wasn't many producers who'd be so generous or many authors who'd stick in a part for a novice! Sparrow could have thrown his arms round Mr. Whomp. By jingo, he'd not let them down-he'd show them his metal!
"Come along! Your scene is set. Are you ready?
"You bet I am !" cried Sparrow, darting at Tuke-as one of them had told him the producer was calledwho led the way through the park, the whole company following, to a wide and noble expanse where the trees had been cleared, and where Sparrow was struck at once by a towering steel structure which rose up and up till it seemed to end in the clouds. The day was matchless, the liglit brilliant in the extreme; but had there been clouds, he felt positive that tower's top would be lost in them.
"Like the Eiffel Tower!" he uttered.
"But higher," smiled Whomp.
A vicious humming sounded now overhead, and Sparrow perceived an acroplane of the bombing type, the largest he'd ever seen, come cleaving
the sky. In its wake a balloon was floating, attracting him vastly, so gracefully it hung between heaven and earth. Then out of the distance a smaller aeroplane darted, and began to loop the loop and jiggle about.
"What a splendid sight!" exclaimed Srairow. "I say! How ripping !",
"Good!" replied Mr. Tuke. "I'm glad that you're pleased with it. We've spared no expense or trouble to get it all right for you."
"Jolly good of you !", said Sparrow.
"Merely busincss," shrugged Tuke.
A curious little hush now fell on the company. Sparrow noticed that the three camera men had split up and stationed themselves at different points of the ground, with the noses of their instruments tilted considerably. Then he saw a group of mechanics in brown dungarees whose gazes were glued on himself with peculiar intentness. And in the baokground he saw something which looked like an ambulance.
Then Mr. Tuke touched his shoulder.
"We're ready, if you are?"
"Yes," Sparrow said in a loud tone. "What do I do?"
"You shin up that tower, hand over hand, by the iron*ork-"
"To the top?" put in Sparrow, less loudly.
"Yes, right to the top. Then the aeroplane begins bombing you-"
"Bombing me-yes. The aeroplane begins bombing me."
"And you stand there with the bombs bursting all around you and the tower rocking
"Yes, the tower rocking?" sighed Sparrow.
"And then you see that the heroine's on board the aeroplane, and she waves to you and you know that they're carrying her off. So, vowing to rescue her if it costs you your life-"
Sparrow could easily fancy it doing that!
"You catch one of their bombs and throw it back hard-".
"I always was a pretty good catch," agreed Sparrow.
"And then, when the bomber comes close to finish you off, you make a leap and alight on one of its wings."
"Does it matter on which wing?" Sparrow said faintly.
"Not a bit. So long as you're
(Continued on page 10.)


## Across the Channel in an Air Liner!

cROYDON AERODROME, a fine morning, and the huge Handley-Page air-liner is waiting like some giant bird, ready to take the air on its swift journey to Paris. Passengers are aboard, sitting in their comfortable cushioned seats, and forward, in a special compartment known as the cockpit, are the mechanic and engincer. Behind them is the pilot in his driving seat, his hand on the throttle lever, waiting for the signal from the control tower which tells him that he may start. For the Continental planes start to the minute, just like railway expresses.

The signal is given, and the pilot taxies his machine out across the aerodrome, bringing it up facing the wind, and at another signal he mores the throttle lever. The big twin $450 \mathrm{~h} . \mathrm{p}$. engines roar, the plane gathers speed, rises! The great adr£nture has begun!

The ground slips away as the pilot puts the machine into a steady climb and heads for the Channel. As he flies upwards, he unreels a 200 -foot wire, weighted at the end, which trails below the machine. This is his wireless aerial, and with it he can send and receive wireless telephone messages to and from Croydon and other planes which he passes en route. Thus he is enabled to keep check on his position, and on the weather to be expected ahead.
Far below is the winding track which is the Southern Railway, and this is followed as far as Ash ford, keeping, according to the accepted rules of the air, to the right of the railway.
On the way are passed the powerful signal lights, visible for about thirty miles at night. of Titsey and Cranbrook, these being of anything from 60,000 to 90,000 candle-power. Each signal light
is different, and can easily be distinguished by pilots at night.
On the plane rushes at over 100 miles an hour, almost flying itself, so perfectly does it work. The pilot is, however, constantly watching his instruments which tell him his speed, and whether his engines are properly cooled and oiled.
Passing the coast near Folkestone, the Handley-Page heads out across the Channel, the pilot sending a wireless-telephone message to Croydon telling them exactly where he left the coast, and where he expects to cross the French coastline.
Tiny black specks with little white tails appear 3,000 feet below. They are ships, and the white tails are their wake in the water. They are passed in a flash, and a few minutes after leaving England the coast of France is passed, and a message to that effect telephoned to Croydon. Towns and villages, valleys and hills are passed in succession, and at last the famous Eiffel Tower is seen pointing to the sky, and it is then that the pilot knows his journey is nearly over.
A minute later the hangars of Le Bourget, France's "Croydon," can be seen dotted below. The pilot closes the throttle, turns his control wheel, and puts the great plane into a thrilling earth glide. Down, down, down! The ground rushes up to meet the machine, there is a slight bump, a skim along the ground, and then-all is bustle. Porters, motor-cars, Customs! But the pilot climbs from his stat, quite satisfied with his achievement at having flown 225 miles in $2 \frac{1}{2}$ hours!

## well an yep:

(Continued from previous page.)
well in the range of the camera in that smaller plane which will be shooting you-"
"Shooting me! Oh, I see-taking the film."
"That's it. So you'll stand up on your hind legs and register heroic determination-_",
"I'll need it," Sparrow murmured under his breath.
"Before you crawl round the wing and into the bomber's cockpit, where you pull the gag from the heroine's mouth and untie her feet, and then start in on the villain who's piloting the inachine, which begins to side-slip and nose-dive -"
'I sec,'" quivered Sparror.
"But you overpower the villain and seize the coutrols; when- Do you see that balloon?"
"Yes," said Sparrow, devoutly wishing that he was inside it.

- Well, it comes alongside just as you've overpowered the villain, and it grapples your plane, so you know that it carries the pirates."
"The pirates! Are there many of them ?" chattered Sparrow.
'The hearty voice of Mr. Whomp butted in.
"Yes," he said proudly. "The ' Pirates of the Sky,' laddie. Clipping title-what? And a clipping chance for you. You see, when the pirates grapple your rocking plane, you've got them nicely-"'
"Yes, I've got them nicely," groaned Sparrow.
"So you pick the fainting leroine up with one arm and twinc the other in the rigging of the balloon. They get the plane, old son, but you've got the heroine, and you parachute down with her and there you are, laddie."
""I suppose she'll like it?" said Sparrow, after a pause.
"Who'll like it?"
"The heroinc."
"Oh, she'll be a dummy. You wouldn't expect us to risk Miss slice's neck, would you?"
"No," said Sparrow majestically ; "certainly not.". To limself he said : "I'd rather they risked hers than mine." He gazed at the aeroplanes, he gazed at the sky, he gazed at the terrible tower, and his soul shuddered.

Mr. Tnke had rushed across to the camera men. From them he shouted to Sparrow:
"Stand by while you memorise !"
Smiling a pinched, wintry smile, sparrow shouted back:
"Thank vou!"
Take it or leave it! He perfectly understood that. And what a compliment they were paying himgosh! He bet they didn't give many novices surch a try-out! And look at the tremendous cost they had gone to-that vast, dizzy tower, those aeroplanes, the batloon-all in order to oblige Mr. Jowis. For he didn't flatter himself that they did it for him. They were frightfully decent, but this was for Willett's uncle; he was perhaps the biggest shareholder in the concern.
Thus Sparrow reflected, and
shivered, and went hot and cold, and heard the camera men making ready behind him.

Now or never! Take it or leave it! Good hearens!
"Are sou ready?" shrieked Tirke.
With the sweat bursting out on his
forehead Sparrow sighed:
"Yes."
Then he flung off his hat and coat, and, before his heart failed him, he dashed like a fury at that terrible tower, to the accompaniment of a rapturous shout from the crowd.
"Shlendid!" Mr. Tuke was exclaiming excitedly.
"Magnificent!" roared Whomp.
"Superb!" cried Miss Slice; while the cameras were clicking awas for their lives.

But sparrow heard nothing. His fect were among the ironwork; he was shinning up higher and higher, hand over fist-up and up! One story, two stories were passed. Ah, lere was the thind! Dare he stop fo: a breather? He dared not.

Whang! Bang! Noises burst all around him. The bombs were beg:nming.
"Hope there isn't a live one among them," thought Sparrow.

Then lie shot a glance down, just one-while his head whirled. Hundreds of miles below he could make out some dark specks-flies were they, or his dear old friends, Tuke and the rest?

Off he started again, all the skin off his shins where lie'd scraped them against these horrible girders and cross-stays. Fortunately, they'd built a few reasonable hand-holds. Oh, mercy, how the tower was beginning \{o taper! And how it rocked! Mr. Tuke had said it would rock, but you didn't expect it to sway about like a tree in a gale!,
"Well, anyliow," said Sparrow, "I'm well on top."

Hern came the acroplane. And, hallo!, here came one of the bombs by itself.
"Oh1, well caught! Well held, !"
He fancied himself on the cricket ground, and hurled his catch back, like Jessop or Hobbs when they therew down the wicket from cover.
It hit the reroplane's pilot full on the head. Mr. Tuke, who was watching it all through his field-glasses below. articulated "Wonderful!" to Mr. Whomp. But the airman himself did not seem so delighted.

And now the monster plane swooped lower and nearer. Its slant ing wings whizzed through the ether, churned it into eddies, with a noise like myriads and myriads of birds rushing past.

Sparrow gathered his legs for a spring and shot into the air.

WHEN he came to himself he was in the great machine's cockpit.
"Yes" said "the pilot, who was bringing him round, "you missed the wings all right, but you didn't miss me." He felt at his neck. "You nearly broke it !" he growled.
"Well, now I start in bashing you, don't I?" said Sparrow.
"You den't, you fool!" shrieked
the airman. "The carisizs kste stopped."
"Something gone wrang:"
"It's only the bailon.n." aid tle airman. "It's bust:"

And so it had. It $\pi$ as fiating down in bits, but not at tie fire pace the balloonist was maxing, dropping like a stone at the tail of his parachute.
"Well, we'd better follow," the airman announced; and, to Eparrow's relief, they nosed down.

It was Mr. Tuke who helped him out of the aeroplane and wrang his hand effusively, while Miss Slice embraced hịm.
"You've surpassed sourself! You've never done anything finer! We'll film the rest to-morrew,: said Tuke, in a breath.
"I wonder," Sparrow said to himself rather bleakly; as a piece of the burned balloon came to rest at his feet.
Up rushed Mr. Whomp, burstin over with joy.

* Tou may well call yourself tle: Boneless Wonder!" he cried. "The Boncless Wonder! By James! What an acrebat! I'm glad we engaged you :"
"I beg sour pardon:" Sparrow replied, with a start.
'I'm glad, I say, that I persuaded friend Tuke to engage the Boneles: Wonder for my great scene."
"I heard," uttered Sparrow, looking round. "But where is he?"
Mr. Whomp patted his back.
"Funny dog !" he exclaimed; and all of them scemed to think, too, that be'd made a good ioke.

But Sparrow didn't. He coukdn't see where it came in. He objected also to being called a boneless wonder. He was just about to tell them so rather strongly when a telegraph-boy came rumning across the grass.
"For you, sir," Je said, as he handed his envelope to Tuke.
Mr . Tuke ripped it open, real it, and gaped. He looked at Sparrow with a horrified stare.
"Whomp, listen to this," he said; and read out the telegram:
"' Sorry could not be with you at ten o'clock this morning, as promised. Not taking any.
"Alf Crick,
"The Boneless Wonder."
When they came out of the stupor into which this message had plunged them, Tuke whisperect to Whomp:
"Have you ever set eycs on the Wonder""
"Never," said Whomp. "I took this fellow for him !"
"And so did I. And so did all of us, naturally.'
Tuke turned on Sparrow.
"Who the dickens are you?" he gasped.
"My name," said the noviee politely, "is Sparrow-T. W. S. And with your permission, if you don't mind, Mr. Tuke, we will not film the rest of the scene to-morrow. Good-morning!"

## ISparrove urns explover in next weel's ripping story! Don't miss it-

 order your MODERN BUY to-day?)HOW many boys, I wonder, who have gazeḍ admiringly in at shop windows at the model locomotives, coaches, and accessories displayed have given a thought as to how they are made?

It is a very fascinating subject and one which should prove interesting to young and old alike. Your Editor has asked me to give you some little insight into the life history of a model railway in as few words as possible, so space will not permit of my going into too much detail.

First of all, the basis of nearly all the everylay model locomotives and coaches you see is tinned steel plate, large sheets of which are cut out and pressed into shape by powerfal presses. The making of the press tools to cut oat these flat parts accurately is a long and expensive business. When once the tools are completed and the machines started rumning, large quantities of models lave to be made to cover the first cost of tool making; that is why a big variety cannot be obtained when the models are not hand-made throughout.

After these parts are cut they pass into the assembling department. Here they meet together with all the small metal parts, such as cylinders, wheels, domes, funnels, valves, etc., that have been made in other parts of the works by lathes, milling machines, and other tools operated by skilled workers. The putting together of these parts to make the finished model is the work of skilled model makers who from their youth have been trained in this work, which requires patience as well as skill.

The model has then to go to be tested, and whether it is clectric, steam, or

## By W. J. BASSETT-LOWRE, M.Inst.Loco.E., <br> Whose Model Raitways Are Famous The World Over.

clockwork, it is put under a serere test. No model is ever allowed to leave the works until it has passed this thorough examination. In the case of the clockwork and clectric models, the mechanism is tested before it is put into the finished and painted body; but in the case of the steam model, the whole locomotive has to be finished and tested under steam before it is finally painted.
T.he painting, you would think, is a tedious process. So it wonld be if a brush was employed, and it wonid take hours to complete one engine, but in the modern works the paint is applied by means of a spraying apparatus. The spray is held in one hand, while the locomotive is held in the other, and the paint is sprayed on to the body of the engine, so that a nice even surface is obtained every time. The lines, etc., are put on bv hand afterwards. This is the work of girls, who are thoroughly skilled in the art and absolutely accurate-in fact, they are artists at this kind of handiwork.
After a final varnishing the models pass into a gas-heated stove, which hardens and dries the enamel and varnish. -When thoroughly dry, they


A model train undergoing its final test in the workshops before being passed as fit to be sold.
are bozed and labelled and put amay ready for selling.
Accessories for model railwayscoaches, sigrals, track, etc.-all pass throngh similar processes before they are turned out as finished scale models.
So when you next pass by a shop window and stop to gaze at the display of gorgeous models inside-a whole model railway outfit set out to advantage against a picturesque background-you will have some little idea of what an enormous amount of detail is involved in the making, from the time when it was first designed on the draughtsman's table, and on its travels through the various departments-the press shop, the assembling department, the paint shop, the testing shop, the stove, and finally into its own individual bos, packed complete ready for sending out, with all instructions for use, which, if the engine is to be a success, must be carried out.


17/3/.28


# Peril Afloat, on Land, and in the Air-a Yarn Without Equal! By .SIR ALAN COBHAM and C. HAMILTON. 

## IN THE HANDS OF THE DEVIL.

 DOCTOR!KING OF THE ISLANDS ceased to struggle. A razor-like edge -the edge of a shark's-tooth knife-touched his throat in the darkness. Five or six brawny Melanesians were grasping lim, but, powerful savages as they were, they did not find it easy to hold the boy skipper of the Dawn. But at tho touch of the shark's-tooth knife he coased to resist. While there was life there was hope.
In the blackness of the high bush he could not see the men who bore lim onward to the Place of Skulls, sare for a glimmer of rolling eyes, a Hashing of white teetl.
Their bare feet were soundless on the bush path; only a faint mutter of voices and the hard breathing of the blacks broke the silence as they tramped on with their prisoner.
From the high bush they came into a grove of banyan-trees - the grove that was the den of the devil-doctors of Faloo.
Overhead, strange and horrible in the darkness, grinned the lhuman face
that Ken and Koko had seen at a a distant sound of rustling and crashdistance, and which had petrified ing in the tangled bush.
Kaio-lalulalongr, with terror.
King of the Islands was flung to the ground almost underneath the eerie object that swung from a banyan brancl.
The blacks still grasped him, while cords of tapa were wound about his limbs and knotted with cruel tightness.
It was futile to resist-and the shark's-tooth knife was still close at hand. In a few minutes Ken was lying helpless on the earth, bound hand and foot, and the blacks stood about him in a muttering group.
Then they vanished into the night, leaving Ken alone under the big banyan.
Ken listened intently.
From the silence of the night came

He could guess that Koko was in flight in the high bush, probably with the savages of Faloo on his track.
The boy trader lay staring about him, peering through the heavy gloom under the banyan.
An acrid smell of wood-smoke came to his nostrils, and every now and then he saw a flicker of flame.

A fire, thickly covered, was burning at a little distance, dense smoke rising from it and floating away through the banyan branches.

Ken started as he discerned that he was not, as he had supposed, alone. A black figure, clad in a dirty loin-cloth, sat by the covered fire, tending it, and turning in his hands something that was suspended from a branch above, in the smoke.

Ken did not need telling what was the object $t h a t$ swrug in the smoke - he knew the customs of the Melanesian savages.
It was a human head-now in the process of being smoke-cured, for preservation as a trophy.
Like all the Melanesians, the

> $K^{\text {I }}$
> EV KING, linown as King of the Islands, trading in the South 1 Seas in his leetch, the Dawn, rescues Kit Hudson, an Australian boy, from a rascally skipper known as Bully Samson, who is trying to verest a secret from him. Ken takes him aboard as mate and friend, and the two sail to the island of Lalinge. Here they learn of a secret hoard of gold in the Place of Skulls on the island of Faloo. Ken decides to have a shot at getting it, although to be caught means death, and they sail straight azay. Malking the island, the ketch drops anchorand, at dead of night, accompanied by Koko, a native, Ken sets out on his search. They see a weivd ploosphorescent light shining in the trees and Koko funks going forward. Ken goes on and is captured by natives. (Now read on.)


Ken's eyes turned on the black man who crouched over the fire.

SIR ALAN COBHAM'S Great Story! You Can Stapt Reading it NOW!
share of the treasare would be enough for the beachcomber. As for his conscience, if ever he had had one, that had long been sapped away by alcohol.
It was futile to think of it now; but Ken would have been glad to be within kieking distance of the drunken waster who had sent him to Faloo with his story of Mafoo's buried sack of sovereigns.
The figure by the fire stirred.
The flame leaped up again, and Ken's eyes turned on the black man, who crouched, looking down at him with an evil, grinning face.
Ken had seen the man before, on the occasion of à trading visit to the island, in the village by the lagoon in old Mafoo's time. It was Tokaloo, the chief devil-doctor of Faloo, a man so aged that his skin was shrunk like parchment over his old bones, and his bony face looked more like a skull than a human countenance. A white beard descended over his tattooed breast, but there was nothing venerable in his looks-his dried, withered face was that of a little old, withered grome. He grinned down at Ken, evidently recognising him.
"Feller King of the Islands," he muttered, in a dry, croaking voice in the beche-de-mer English which was the only tongue he knew beside his own Melanesian dialect. "Feller white master come look for Papalagi gold with eye belong him." He chuckled, a chuckle like the rattle of dry bones. "Tokaloo knowTokaloo sarvy all things. You wantee see head belong Mafoo?"
He pointed with a shrivelled finger at the phosphorescent head that swung above the prisoner.
"Mafoo!" he grinned.

- Ken shuddered.
"Ta'a'ava chief now," said the old devil-doctor. "Ta'a'ava come bimeby, feller King of the Islands makee long-pig um feast, head belong him smoke in fire, hang in canoe-house along many head. Little Papalagi comee Faloo makee longpig."

And the shrivelled old wretch returned to the fire, squatting beside it, and turning the head that swung over it in his withered hands, muttering and crooning to himself.

## FIGHTING THE CANNIBALS!

KIT HUDSON paced up and down the little deck of the Dawn, and every moment his eyes turned to the dark, shadowy rocks that shut in the inlet.

His face was sharp with anviety.
Hours had passed since King of the Islands and Kaio-lalulalonga had gone ashore. The night was growing old.
(Continued on page. 1 6.)

## THE TAIL OF A GIANT LINER.

## Third Largest Ship in the World.

TCHE Berengaria, 52,000 tons, the third largest ship in the world, has recently been in dock at Southampton getting her annual overhaul. It took a flousand men, working hard for a month, to do the job!
Our picture shows the great rudder which controls her as she plunges across the Atlantic. A fair idea of its massive proportions is got by comparing it with the men on the scaffolding.
We have come to take that mighty marvel-the modern liner-very much for granted. There are so many things to wonder at, really, in one of these floating towns--not the least of which is this tremendous rudder (tremendous not only in proportions but in importance also), merely to gaze at which makes one feel as small and insignificant as some no-account insect!

We smile at the tiny ships of Columbus' time-what will the generations to come think of ours?

## THE "BRIDGE FLIES."

 Cast-Steel Nerves!THAT is what they call the men who build modern bridges, and it is no use trying to get one of these lighly paid jobs unless you have nerves like cast steel. See them standing upon those great cables against the sky; as happy and easy as you or I would be on firm ground!
One of these "bridge flics " working on the new Peace Bridge lately made across the St. Lawrence waited until the job was so nearly finished that a plank was laid between the two ends of thic mighty arches of steel.
Then he ran out on this swaying plank, 150 feet above the swirling river stood on his head in the middle and clapped his feet together! The bridge in our photograph is the new one across the Tyne at Neweastle.

## OUR PICTORIA

## THE WEALTHIEST

## A Memento o

M[OTORS have made Henry Ford 1 wealthiest man in the world t day. He is richer even than the grea oil-king, Rockefeller, and Rockefellex income, they say, is $£ 38$ a minut During the busy season for Ford cal he makes $£ 110,000$ a day, and is said be worth $£ 444,000,000$ !

Below is the lathe which founded hi fortune. He bought it in 1894, and o it made parts for the first Ford car. Th


Mr . Henry Ford and his first lathe.


[^1]
## 1. NEWS PAGES.

## MAN IN THE WORLD!

## fearly Struggles.

Hord Company was not formed until 1903, so the rate at which Ford has made his fortune is also a record.
Here you see Henry Ford and his son, Edsel Ford, at the famous lathe, which Mr. Ford has kept as a wonderful memento of his early struggles.
So vast is the Ford organisation that recently an Auto Exhibition was held, at which only Ford products were shown ! At that exhibition this photo was taken.

## WONDERFUL WINGED SHIPS.

## The Safety Air-Chair.

EVERY year sees growth in the size of aircraft. The cabin pictured below belongs to one of the new Short flying-boats which are being built for the Empire airway between England and India.
They will be truly winged ships, each with vast Bristol-Jupiter engines of 1,500 horse-power, and with accommodation for eighteen passengers besides the crew-with feeding arrangements all complete.
These air-liners are modelled on the Singapore, Sir Alan Coblam's plane, and are fitted out with a refreshment buffet complete with ice-chests and cookingstove! A steward is earried as one of the crew.
The special interest of our picture is the chair, which is not only amazingly light and beautifully comfortable, but is also fitted as a life-buoy, and in case of any unforeseen disaster would keep a person afloat for hours.

## MOTORING ON THE HOUSE-TOP.

## Two Hundred Feet Above Street Level!

$H^{O W}$ would you like the job of driving a motor-car upstairs? You would lave to do something like that to get her on the track pictured on this page, which runs all along the top of a mighty car factory, nearly two hundred feet above street level.
Only it is not stairs you drive up, but a steep spiral track which winds up to the great speedway on the housetops.
The place where this wonderful track has been built is the Birminglam of Italy, the fine city of Turin. The picture gives a fine idea of the great width and length of the track. Cars can be driven there at eighty miles an hour, and the beauty of it is that secret trials can be held which no one could watch except from an aeroplane!
The cars in the photograph were made by the famous Italian firm of Fiat, and are being. tested prior to being fitted with bodies.


## 縕ing of the Tslamds！

（Continued from page 13．）
Hudson had not thought of slecp．
The Hiva－Oa crew could have been trusted to keep watch，but his ansiety for his comrade was too keen for him to think of closing his eyes．
Had all gone well with King of the Islands，Hudson knew that he would have returned ere this．

Ken had intended to see how the land lay，and to discover，if he could，the location of Mafoo＇s treasure；but his absence should have been for only a few hours at most．
Once in the night Hudson had heard a sound in the high bush at a distance which seemed to approach the inlet，but it had ceased；and he wondered whether his comrade had been in flight for the Dawn and had been cut off by the savages．
Long he had listened，but there liad come no other sound save the sigh of the breeze in the bush and the trees，and the boom of the surf on the coral reef outside．
If the savages of Faloo had been on the watch，it was likely enough that ling of the Islands had fallen into a trap．It was likely enough that Ta＇a＇ava had guessed why the beachcomber had left the island and gone to Lalinge and had been pre－ pared for the coming of white men seeking Mafoo＇s treasure．What had happened to King of the Islands？
A rifle stood ready to Kit＇s band by the rail．Rifles had been served out to the crew，and lay beside them on the deck as they slept．Every moment Kit Hudson expected to see an cnemy on the shore of the inlet－ vet there was no sound no sign． But if the Faloo savages had watched the coming of the ketch as he now suspected，and had trapped King of the Islands in the high bush，surely their next step would be to attack the little craft in the inlet．

Hudson called to Lompo at last． The brown－skinned Polynesian came up，yawning．

That you tinkee come along King of the Islandsp＂asked Hudson．
＂Tinkee King of the Islands him kill dead，＂he said．
＂To kill＂in South Sea English simply means to hurt．To＂kill dead＂is actually to kill．Hudson understood that．
＂What name you tinkee King of the Islands kill dead？be asked．
＂No comee back um ketch．＂
＂Ton tinkee black feller got um？＂
＂「es，sar．＂
＂But if the niggers had got him， they＇d try to get the ketch，＂argued Hudson．
＂More day he come，black feller come，＂explained Lompo．＂In Faloo plenty flaid of dark．Some island black feller him fight um dark－no Faloo．Plenty aitoo um dark Faloo．＂ ＂Oh！＂exclaimed Hudson．
He knew that in many of the Pacific Islauds the natives will never fight between sunset and sunrise， whatsoever might be the advantages of a night attack．Superstition gor－ erns the native at all times；and Faloo，it seemed，was one of the islands where the blacks would not
fight till＂day he come．＂Trapping with him at the lands of the Faloo King of the Islands in the high bush was one matter：an attack on the ketch was another．
＂You tinkee black feller he come day he come？＂，asked Hudson．＂Stand ready，then．Call the others．＂
A faint flush of light was already visible over the sea to the east．The new day was at hand．And，when it came，it would come suddenly，as always in the tropics．Hudson had been debating in his mind whether to go ashore and seek his comrade； but he realised now that the shore was probably crowded by Faloo blacks．

The ketch＇s crew were all awak－ ened，and they stood ready with their rifles．Under a white man＇s leadership，the Polynesians were prepared to give a good account of themselves，but not to be compared to the black Melanesians as fighting－ men．Hudson wondered whether it would not be wiser to get the ketch out to sea at the first glimpse of dawn，as the only way of saving it from Ta＇a＇ava．But to leave the island，with Ken King still on shore， his fate unknown，seemed impossible． For the Cornstalk＇s mind was fully made up on one point：he was going to save King of the Islands，or perish

## 口

JUST A MINUTE！
66 TOU never know how $f$ a 1 ravelling！＂
Someone once puzzled mo tremendously by jerking out that bit of sheer wisdom．He wasn＇t a traveller，in the sense of getring about the world．But he most certainly uras a traveller in the sense of＂getting on．＂It was not until I suddenly discovered his own particular meaning ot that phrase that my puzzlement ended．
It＇s worth acting on．Make the right start．and if you＇ve got any－ thing at all in you，you are bound to keep travelling towards what－ ever it is you have made your objective．
I am reminded of this by the way in which the Modern Boy is piling up readers．We have made the right start，and are travelling swiftly into record circulation figures！
No，I＇m not blowing the Editorial trumpet．Thousands of you，$m s$ readers，are doing that for me by passing on the great news about the Modern Boy to your chums．Thank you！But I thought you would all just like to hear how the new paper is re－ sponding to your enthusiasm．
Of course，the more you do for the paper the more the Modern Boy can do for you all．There are some very big schemes up the Editorial sleeve．Lend a hand and the schemes will materialise all the quicker！

And let me remind you again ： If you want advice or hints on any hobby or other matter，just drop me a line．I＇m always at your service．My address is：

## The Editor，The MODERN BOY，

Fleetway House，Farringdon St．，
London，E．C．4．

Like lightning, the Fado paddles flashed in pursuit.
Two of the canoes mere helpless, but three came speeding on like sharks after their prey.
Hudson set his \{eeth.
The ketch was in flight, but once outside the reef she had plenty of seaway and could play with the Filo craft. The Cornstalk threw aside his rifle-it was not needed now-and gave all his attention to the sailing of the Dawn. The'Hiva-Oa men stood by sheet and halyard, prompt to obey his orders. The Dawn swung round outside the reef, and, to the amazemont of the Faro savages; headed back at the canoes. Before tho fuzry-headed blacks understood the manoeuvre the ketch's bows were crashing on the leading canoe, and the frail craft went to matchwood under the crash, leaving her crew struggling in the water.
The Hiva-Oa men yelled with glee.
From the remaining two canoes came yells of affright. The cannibals understood at last that the white man had turned on them, and that in the present contest they had not a dog's chance.
Both canoes fled back to the inlet.
But after them rushed the ketch, sailing three fathoms to the paddlers' one, and in a few moments a canoe was crumpling again under the crash of the copper-sheathed bows.

Another yell of glee from the HivaOn men, and a howl of terror from the blacks in the sole remaining canoe outside the reef, as they paddled frantically to escape.
But there was no escape.
Behind the fleeing canoe loomed the high bows of the Dawn, crashing down on them, splitting the canoe ${ }^{-}$ into halves.
From the rocks of the inlet came wild yells from a swarming mob of savages, watching with fury the destruction of their tribesmen.
Hudson gritted his teeth.
The attack had cost the cannibals fearfully dear. But it was impossible for the ketch to return to her anchorage. The inlet was swarming with blacks. The Dawn stood off and on for a time, Hudson hoping : that more canoes would emerge beyond the reef and give him a chance for another blow. But the Filo blacks had learned their lesson. They yelled and screamed and brandished their spears, but showed no sign of seeking to come to close quarters again.
"And now--" muttered Hudson.
He lad beaten off the attack and saved King of the Islands' ship. But. he had been driven out to sea, and King of the Islands was still on shore -dead-or in the hands of the cannibals. He was sure of that now. His head, perhaps, already smoking in the fire of futu-wood, to be hung in the canoe-house of Ta'a'ava as a troply-or a prisoner, doomed to the cooking-ovens, and his comrade could not save him.

## THE LAST CHANCE!

$\bigcirc$IDEON GEE, the trader of Filo, looked out from the shuttered window of his bunglow in the morning sunshine.
The only white resident of Faloo had not closed his eyes during the night. There was devil's work, as he termed it, going on among the niggers, and at such times Gideon Gee trembled for his house, his copra warehouses, and his yellow skin.

Glad was Gideon Gee to see a sail in the channel through the big
grass houses sprawled along tie white beach of the lagoon-was alive with blacks, all staring across the water at the ketch. Their excited jabbering reached the ears of Gideon Gee as his rowers pulled at the oars. Looking back, he saw Ta'a'ava, the chief, come out of the council house -a tall, brawny savage in tapa loincloth, with a large brass curtain-ring in his nose, and strings of spent cartridge-clịps hanging from his ears. Ta'a'ava's black face showed his astonishment at the sight of the
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Behind the fleeing canoe loomed the high bows of the Dawn, crashing down on them, splitting the cans into halves!
reef outside the lagoon. It was a trader did not understand. It was white man's ship, and Gee knew it common enough for a white man's at a glance-the well-known ketch ship to steer into the lagoon, to sailed by King of the Islands. It trade with Gideon Gee or with the was a line of retreat for the trader natives.
if the natives got too much out of hand.

He unbarred his door and called to his black servants to man his whaleboat. In a few minutes he was pulling out to the Dawn.
The sails were reefed but the ketch had not anchored. But on the long, brass six-pounder gun mounted still waters of the lagoon she lay amidships. Beside it was a cask almost motionless.
The native village-a crowd of buckshot, and fragments of old iron

## 胥ing of the Mslands!

(Contznued from previous page.)
-evidently intended for loading. Gee understood at once that the Dawn had not arrived in the lagoon on a peaceful errand.
"Where's the skipper?" he asked.
"That's what I want to know," answered Hudson. "I was going to signal you when I saw you putting off. You're the Faloo trader?"
"I guess so," answered Gideon, "You've had trouble with the niggers? I heard a lot of firing soon after daybreak."
"That's so. You're a white man, and that's why I've run into the lagoon, to get information, if you can give it to me. King of the Islands went ashore last night on the northern side, with a Kanaka, and they've not come back. The niggers attacked us at dawn. They've got King of the Islands-and I want him."

Gee whistled.
Gee whistled.
:King of the Isiands didn't land then to break a native taboo." better "King of the Islands didn't land than to break a native taboo."
for trade, as he didn't come to the lagoon," he said. Then he uttered a startled exclamation: "Por Dios! Is it old Mafoo's money that brought "fim here?"

Hudson nodded.
"I knew there'd be trouble when that beachcomber lit out for Lalinge;" growled Gideon Gee. "I guessed he was nosing about after old Mäfoo's sack of sovereigns, and Ta'a'ava would have made long-pig of him if he hadn't bribed a crew of niggers to padde him over to Lalinge. Where did King of the Islands head for when he landed?"
"The Place of Skulls."
"Then you can give up the idea of seeing him again," said Gideon Gee. "It's death for a white man to go near the place. I guess his head is smoked already !"

Hudson's eyes glittered.
"If his head's smoked a good many Faloo heads shall pay for it," he said. "But he may be a prisoner."
"As like as not. But prisoners don't live Iong on Faloo. King of
"Hang their taboo!" Hpdoon tapped the brass six-pounder. Captain Ken shipped this gon at Lalinge as cargo, to carry ove to Thursday Island. I've rooted it out and mounted it here, and I fancy it will make the niggers open their eyes if it begins to talk. I want to get word with the chief.,"

Gee jerked his thumb towa ds the beach, now crowted with blacks, all: jabbering and gesticulating.
"There's Ta'a'ava, that big buck nigger with the brass ring in his nose," said the trader. "I guesS I'm. on trading terms with him, and I'll carry him any message you want. What's the game?"
"Tell him," said Hudson, quietly, "that King of the Islands must be set free to corme back to the ketch, and that if the is not on board in one hour I shall open fire on the village and blow every house in it to smitheregens."
(Next week's MODERN BOY will contain a further instalmient of this thrilting story by Sir Alan Cobhann. Make sure of reading it by ordering your copy in advance.)



Our Wireless Corner, Conducted by

NORMAN EDWARDS, M.I.R.E., etc.,<br>Editor of "Popular Wireless," etc.

## Are you satisfied with the type of Aerial you are using, or would you like a change?

> from the nearby station, and a wire connected to that frame may give you good results.
> It is surprising, too, how efficient an indoor aerial can be. I do not mean a frame acrial. That is a different thing altogether. I mean the type of acrial that is put up in much the same way as an outdoor one. Generally it is fixed in the loft-or-attic, where a good length can usually be -btained. There is a chance, too, to space the wires well apart.
Experiments that I have conducted from time to time make me wonder whether an outdoor acrial in a thickly populated area is any better than an indoor one unless it reaches well above the roof. And an indoor acrial has nothing to fear from the weather. It is subject to no strain from rain and wind. I mention these advantages for the benefit of those who may think that an outdoor aerial is the only kind that will give good results.

An aerial of the outdoor type where space is limited, and which is particularly useful where the ordinary length of wire is out of the question will be found illustrated on this page. It consists of two hoops spaced some distance apart one above the other, with wire fixed zig-zag fashion between them. The aerial is mounter on a fairly long pole which will lift it above the roof.

This type is extremely popular, for not only does it give good results. but it is also neat in appearance and easy to fis.
In the wircless shops will be found a number of "portable" aerials which can be fixed up indoors at a moment's notice. Good results are claimed for many of these.

Mind you, in pointing out the advantages of indoor aerials I am not suggesting that they will give you better results than outdoor ones. Nothing is better in the way of an aerial for general reception; than a 60 -foot single length of wire slung at a good height and free from screcuing. But such an aerial is not always a possibility, and substitutes must be found.

I mentioned the frame aerial just now. The frame's great advantage
is that it is directional. But the frame aerial is not suitable for the ordinary circuit, and the energy picked up by it is very small.

The importance of the earth connection must not be overlooked in the case of indoor aerials. The most. efficient indoor aerial will work badly on a poor cartl connection.
In your experiments with indoor aerials don't pay too much attention to the text book. Many are the rules of radio that have been broken, and there is a certain joy in breaking one yourself-if you get the result you want! The crystal set is ideal for testing the efficiency of an aerial, and even if a valve set is going to be used it is a good idea to give a new aerial the "crystal" test. With a valve set, reaction can so make up for weak signals that the lack of


A frame aerial for use with multi-
efficiency in an aerial might easily ge unnoticed.

Remember that whatever type of aerial you use, stout wire is essential -wire with a very low resistanceand all your connections must be strong ones that let the energy received go nowhere but to your set.


# Tom Rogers and his pal "Pud" try their hands at some more new jobswith vastly entertaining results! 

MCST Britishers who go to remarked. "Wait here, Pud, and I'll British Columbia find their have a shot at that." way at some time or another into Kamloops, a town of about 5,000 inhabitants, which is known as the Inland Capital. Likewise, the place gets its share of the hoboes or "blanket stiffs"-otherwise tramps and down-and-outs-who form a fair floating population of their own in the Farthest West.

My chum "Pud" Drummond and I were well qualified to be counted among the down-and-outs as we made our way through the town again after Pud's brief experience with the Mexican knife-thrower at the Fun Fair, for we hadn't a cent between the pair of us.
"Why couldn't you have stuck that job with Huerta?" I grunted, rather bitterly.
"Because," retorted Pud briefly, "sooner or later he'd have stuck me. I notice you didn't exactly jump at the chance of having blessed breadknives thrown at you for three bucks a day. Now, I think it's up to you to tackle a job of dish-washing in some eating-house, and we'll divvy up your earnings until I can find something else."
The situation was desperate, but after my previous experience in the pantry of an ocean-going liner, I didn't intend ever to wipe over another dish except as a last resource. But Pud, I might say, was quite within his right to suggest my divvying up, for we had agreed before setting out from Vancouver that we should share our joint earnings.
A card in the window of a soft goods store in Victoria Street caught my eye-"Experienced clerk wanted."
"Oh, rot!" Pud returned testily. "What experience have you ever had of socks and hats and things? There are bound to be other jobs more suitable than that."

I allowed myself to be persuaded, and presently in Second Avenue we saw a contractor's gang working in an excavation for a large building of some kind.

We stopped on the sidewalk. It was not yet three o'clock in the afternoon, and the sun, unusually hot, was beating down on the sweating workers. Pud, who loved seeing other people work, was wrapt in the sight, and I was just wondering whether I should cver get him away again, when a burly foreman drifted $u_{i}$.
${ }^{\text {" }}$ Say, do either o' you boys want a job?" he asked.


I replied:
"Yes—both of us, sir !"
The foreman smiled at this polite manner of address-later I discovered that foremen in the West are not used to being addressed as "sir," but usually as "Stumpy," "Hefty," or whatever their nickname happens to be.
"Well, I guess there's only one job going," the foreman answered. "I jest want. a young lad to work that there elevator."
He jerked his thumb towards a wooden shaft erected in the excavation. Inside the shaft was a small lift. The earth and rocks taken out of the ground were trundied in a barrow into it and taken aloft. This, no doubt, saved a deal of time and labour.
"How d'you work itf" inquired Pud.
"Oh, yoi jest pull a rope,", the foreman answered, " and you've gotter ride up in the elevator and dump the stuff out at the top."
It sounded easy enough, and Pud reckoned it was just the kind of job to suit his style. Yet he generously offered it to me; but I told him I would try for the clerk's job in the soft goods store.

Pud's job was certainly a cusly one, and after watching him work the elevator a few times I returned to Victoria Street and entered the soft goods store. The proprietor, Doug Connell, who went about coatless, wore black sleeve protectors, and constantly chewed gum, demanded to know my previous experience in hosiery and hats. Quite honestly, I told him that about all I knew was the difference between a "bowler"
and a "boater." To my eorprimo he had heard of neither.
"Well, boy," deaided Doug, "IM'l give you a start at twelve dollars a week. But, mind you, you've got to learn quick or jou go quick."
For the rest of that afternom I was learning something about the coft goods trade, and, having drawn a dollar of my pay on account, I sought out Pud, and we put up at the Wुestern Hotel for the night

Next day, while Pud was back in the excavation, I was allowed to serte behind the counter, but by dinnertime it was plain that Doug was a bit fed-up explaining things to me. "Gosh, you're slow, boy!" he kept saying, with ntore ex peration creep ing into his tone.

Early in the afternoon came the climax. A cowboy from some neighbouring ranch entered the store and addressed himself to me.
"See here, Buddy," he said, "I'm going down to the coast wi' some cattle, and I want to look right smart in town. Gimme a cow's breakfast!"

I gaped; but as Doug had told me I wasn't to let on if possible that I was "so blamed ignorant," I mumbled that we "carried a dandy line in those," and promptly sought out the boss in his little office for an exnlana. tion.
"What!" hooted Doug, ī to my whispered question. mean you're so dodgasted ; that you don't know what breakfast is?"

And, thoroughly out of tex flounced out of the small of himself fitted the cowboy straw hat

When the customer had gor paid me another dollar and 1'd better seek a berth in an intellectual parsuit than ths store clerk, and so I hit the si
again, though not so entirely broke as oni the day previous.
Natarally, I drifted round to the excavation to see how Pud was getting on. To my surprise, he was no longer riding up and down in the elevator, sitting on the loads of earth. The elevator-so I gathered from overhearing some of the foreman's pangent language-had gone wrong, and anechanic had been sent for to pot it right. In the meantime, Pud and several others were manhandling the stifi which, no mally, would have Been taken above ground in the elevator.
The fomdations were too deep for the labourers to push the heavy iron barrows up planks, and a rough sort of windlass had been erected by which the loads of debris were dragged to the ground level.

Having assisted in the back-breaking, arm-tearing work of hauling these up, Pud then had to help wheel the Ђarrows along narrow planks to a dump.
With a grawing smilc I watched my cham from the shelter of the contractor's h t. The perspiration was streaming down his red, fat face; every now and then he examined the blisters on his poor podgy hands; at times, as he straightened his back, an acorrised ornreccion name into hia
the bricks. Threy othere - Puil among them-had to arrange themselves on the sidewalk to receive the bricks as they were thrown out; the remaining three men stood close behind the excavation to stack the bricks on the ground.

Pud caught the first two bricks thrown at him full on the chest, and went a reeler on to the pavement.
"Pick yourself up, me lad!" grinned the foreman. "What d'you mean by lyin' down there on the sidewalk when there's work to be done?"
My luckless chum staggered to his feet and savagely growled something to the effect that "he wasn't ready."
The work started in grim earnest, and for a time Pud, although he was the only one who was not waaring buckskin gloves-leathern gloves arc almost invariably worn by tabourers in the West-actually did a deal more of the "graft" than most of the others. This was owing to the fact that the fellow who was "feeding" him was the driver of the lorry, He evidently had a "date" to keep and was keen to get the load off and rreh back to his garage.
Two bricks at a time came whirling out of the lorry into Pud's hands, and my luckless pal, with a mighty swing,


[^2]

ALL good things must come to an end, and here we give you the Sixth and Final Set of pictures in the grever dive ever " in competitions. All the puzzles are the outlines of ordinary objects, and the fact that the artist haserer remer unusual views of some of the things makes your task the more amusing.
Write your answer to each of the puzzles IN INK in the space provided underneath, then sign and address in INK and cut out the whole tablet. You will remember that in a previous issue we gave you a Full List of Nime of ofece, in which the answer to every puzzle in the competition can be found. All solutions MUST be taken from that liat
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so as to reach that address not later than THURSDAY. MARCH 22ed, 1928.
Anr e that date will be dixpai-

REMEMEE: E B B

 with your sice in INK and a mencor Himunamo

## RULES

(which must be atricts adhered to).
The Two Firs P=isc : © = ans


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## A FIREPLACE SCREEN.



HA VE you ever thought what an uncommon fireplace screen can be made by using silver paper instead of the ordinary material ? The framework is simple, and the centre " plate" of silver paper is hung by chains.
For the framework, two upright posts


The centre plate of this screen is made of silver paper. the top rail.
attractive appearance is provided by it Of course, you do not draw in details being criukled roughly to look like rough- just a simple silhouette is sufficient. cast stone. Use as large sheets as possible and glue securely to the face. Then apply a cost of clear varnish to strengthen and make more durable.
The two feet are cut from $\frac{8}{8}-\mathrm{in}$. or $\frac{1}{2}-\mathrm{in}$. oak, with the fretsaw, to the shape shown. Let the upright posts into the slot provided and glue and screw firmly. The handle is cut in a similar manner and is glued and screwed down centrally on

The centre board is hung in place by cord, or better still light brass chain, put through the corners with a-split ring, and into the angles of the frame with small staples. The woodwork of the frame should be stained with dye and can be waxed or polished afterwards.

## TABLE-TOP PHOTOGRAPHS.

HAVE you ever photographed an Alpine scene, or a view of a. tropical forest without ever going near either? It is quite easily done if you have a wideaperture lens in your camera or can fit ab portrait attachment.
Take the Alpine sceno for example.

When the scene is built to your liking, focus it on to the lens of your camera, and take a flashlight photograph of it. Working on these lines you will be able to make a surprising variety of pietures.

## A WIRELESS SET IN A BOOK.



N O V EL wircless that costs nothing should appeal to most fellows. Outwardly, this one looks like a book, but on being opened is set is disclosed.
To make it you will need an old wellbound book about 9 in . by 6 in . and at least 2 in. thick. Using a sharp knifo start at the first page and cut out the centre, leaving a $\frac{3_{4}^{2}-i n . ~ m a r g i n ~ a l l ~ r o u n d . ~}{\text { and }}$ Do this for a depth of about $1 \frac{1}{4} \mathrm{in}$. Then miss a $\frac{1}{-i n}$. thickness of pages and continue right through.
You will now need some shellac glue. Make it by dissolving shellac in methylated spirit until you get a syrupy liquid. Withthis. glue all the pages and marginis together. But don't glue the margins to the partition or top cover, only to the bottom one. Now paste a sheet of black or brown paper to the top page of tho partition, so as to cover the print, and place the book on one side to dry.
You can then mount the set. Reflexcoil tuning is the best to use owing to the restricted space. Mount one coil on the lid as shown, and the other on the baseboard or partition. Tuning is done by moving the lid. A small stay should be provided to hold it in position as 1 in . square and 2 ft . long are required. Just get a few lumps $0, \mathrm{k}$ is the most serviceable wood and can them artistically to be obtained cut and planed. The cross form, say, two sides struts are two pieces of $\frac{3}{8}-\mathrm{in}$. board $20 \frac{1}{2} \mathrm{in}$. of a ravine. Then long, the lower one 2 in . wide and the pour ground rice top $1 \frac{1}{2} \mathrm{in}$. Fix them through the posts over them (for the (using any simple joint)-the lower one $1 \frac{1}{2}$ in. from the bottom and the upper one $1 \frac{1}{2}$ in. from the top, as shown in the sketch. Both project through the up. Both project through the up. the scene is made.' rights 194 tu. and are glued firmly in place. If you like, you For the centre board a piece of timber can add some figures. 12 in . wide and 15 in . long is required. This is done by̆ Use a thin three-ply board and strengthen drawing them on a it behind with two $\frac{1}{2} \mathrm{in}$. by $\mathrm{T}^{3} \mathrm{~T}_{5}$ in. struts white sheet. of cardof any wood. The board is covered with board in the backnoed silver peper glued all over it and ground, so that they turned over the edges on to the back. seem to be standing The paper need not be flat-s more on the "rocks.

"Now, you fellows, you all know exactly what you're to do, I think. After Monsieur Gaubert has inspected the chassis in here, you'll go out on to the heath. You're to drive past him at intervals of about thirty yards, each car to pass him at seventy miles an hoirr. And for Heaven's sake drive carefully, becatise the road is muddy and wet! If one man gets into a skid it may spoil everything. It's-'
He stopped as a hoarse voice suddenly hissed from the doorway:
"Mr. Lucas-he's here!"

AGESTURE from Foreman Turner sent every driver to the side of his machine, standing level with the stcering-wheel. Mr. Lucas hurried to the door; and Bob saw him remove his silk hat with a sweeping gesture as the French official entered the shed.
"Stone me, look at 'im!" gasped Jerry beneath his breath, as Monsieur Gaubert appeared, and Bob's own eyes widened.
He had expested this important Minister of the French Army to be a tall, imposing, soldierly man. He wasn't. He was a very short, very fat fellow, who strutted in like a fiery litt bantam.

He wore a uniform of horizon-blue, and a cap, the peak of which was heavy with golden laurel-leaves. There were massive epaulettes on his shoulders, and his cuffs were weighted with braid. From the polished belt at his waist hung a sword, the tip of the scabbard clanking against the concrete with every step.
Behind him came several men in the uniform of the French Army, all of them big, fine men, who moved with a snartial air. With them, hats in hands, appeared imoortant members of the Knight works.
Monsieur Gaubert stalked around each chassis in turn, coming down the line and finally pausing in front of Bob.
"You build heem sourself-clevair boy!"' he ,observed. "I offair my felicitations."
He smiled as he spoke; and Bob was surprised to find that he had very kindly, twinkling, dark eyes. Oddly enough, he reminded Bob of a little terrier that wanted to be friendls, and it was plain that he didn't know much about cars if he thought Bob had built the chassis by himself.
"Exceedin" clevair!" Monsieur Gaubert added. "Most-most decent clean-parfait !" And he passed on.
In a minute or so he reached the end of the line; then left the shed with those who had followed him in. Immediately the tension in the building claxed.
"Took a likin' to youl" Jerry grinned across to Bob. "Funny little bloke. wasn't he? Looked like he was scared tiff! I bet he knows as much about cars as I do about zoolography !"
" Get 'em out now, lads; start 'em up!" Foreman Turner's voice boomed through the shed.
As he started bis machine Perkins turned in his bucket seat and glared at l3ob.
"Fanoy crawlin' to a silly old fool like that Frenchie!" he snarled in his unpleasant, way. "You ought to be ashamed o' yerself !
Bob grinned cheerfully. He guessed that Perkins was upset because the Frenchman hadn't taken any notice of him. 'The head tester went on :
"Wait till we get on the speed parade - I'll show 'im a bit o' real drivin' !" A mile or so out on the heath Nonsieur Gaubert had taken up his position with his companions, just beside the road. Planks bad been laid for them to stand on and keep clear

of the mud; behind them stoed a phalanx of gleaming, polished limousines in which the party had arrived.
'The chassis drove past at a sedate speed; then, about a mile and a half besond, they turned in a big curve and stopped, ready to go forward for the test run.
"Scventy miles an hour, Perkins!" Foreman' Turner called. "Are you all ready?"

He moved out to the front, with a flag in his hand, to start them off.
"Keep thirty yards behind Perkins!" Bob reminded himself, as he slipped into gear. He guessed that it would be a very impressive sight to sce the long line of cars go by at seventy miles an hour. He rather wished he was watching instead of taking part.

The lag dropped suddenly.
With a roar Perkins shot off, Bob after him. The head tester revved his engine to its limit before he changed gear. There wasn't any need to do that, because they had plenty of room in which to get up speed.

Bob lost a little distance, and they were still half a mile away from the group when he found that. Perkins was leading him at not far short of eighty miles an hour. Bob gave his engine full throttle, because it would look bad if Perkins got away from him.
At eighty miles an hour they roared down. Back of Bob came the rest of the tine-a long trail of thundering, gleaming machines, each with its whiteclad, white-capped driver intent behind the wheel.
Bob saw the little figure of Monsieur Gaubert standing out in front of the rest, right at the edge of the planks. He moved as though he would have stepped back; when Perkins smashed towards him: but he remembered his dignity and stopped where he was; it wouldn't do to show that he was a little scared of the roaring monsters.
They were twenty yards from the group when, from the rear wheels of Perkins' machinc there suddenly sprayed a fount of mud as he hit a pothole in the road. The car bumped out of it, slithering a little to one side.
The fraction of a second later, and the hurtling machine was in an eighty-miles an hour skid!

It went almost broadside on, rear wheels slithering off the road into the soft earth before the planks.

They flung out a solid slash of slimy black mud, plastering the Frenchman and those behind him from head to feet as Perkins snatched the car straight, got back to the road, and hurtled on.
As Bob rent steadily by, he saw Monsieur Gaubert gouging mud out of his eyes with one hand, while he all but danced with sudden rage, as he shook his fist after. Perkins and roared angrily at the machines still storming past him.
"ITHINK you've just about done as he addreoreman Turner was white stood by the shed at the works. All the chassis had been brought in, and now the drivers were standing in a group, listering
"The old fool shouldn't ha' stood so near with all that mud about!" Perkins grunted. "I couldn't 'elp the skid, could I!"
"Seventy you were told to do, but you did eighty!" the , foreman exclaimed. "You'll get-"
"Perkins !" Mr. Lucas, the general manager, suddenly appeared. His clothes were splashed with mud, and thero was a great blob of it on his silk hat. "Perkins, you'll be glad to know that Morsieur Gaubert absolutely refuses to take delivery of these cars

47 Ex mide
(Ciontinued from previous patas.)
under any (ircum-tanco-ilmank to what yocic clone. Il: deal with you later
"I couldnt "lp it. in'". Porkins gasped. "I didn't mean to --..." wallect
But the gencra! manage thad when away, and as he went bob sam that he was just as white as the Rorcmat.
"Gooh !" gaeped'Jerry. "There "nn't hale be a row orer this: Perkin: i. a fool! He was tryin' to how us how to drive, I s'pose, by the was he started off. Ho might ha' known he was liable to skid in the mud, expecially after bein warned about it!"
Bob and Jerry remained standing there. Some of the driver drifted off Perkins went into the shcd, and soon the two were standing alone both realising that the Kniglit Works had lost a large sum of mone: through Pcrkins' cfiort to zwenk
It was while the two were standing there that a telegraph mesenger cami around the corner of the shed.
"(iot anybody named Gaubert round here?" he asked. "Wire for him They told me at the gate to find ., Ir Lucas, satd he'd come up this way
"Gaubert?" asked Bob,
"Yes. It's urgent, too:" the hor answered. "Missis Gaubert's been hurt in an accident in London, an' he's got to go at once. They told me that at illo office so's I wouldn't hang about on the way.

Accident!" Bob stared at him. The wire could be only for the French Army official.
An idea came to $\mathrm{B} \bullet$ b like a flash of light. Monsieur Gaubert would want to get to London quickly. Suppose they took a fast car and found him, delivered the telegram, and then offered to drise him to London. After all, he was a nice old chap, and he was ceitain to be anxious, and if they did him a good turn be might look a little more kindly on Knight machines.
"Jerry"-Bob grasped his chmm": arm, then told him of his sudden iden. while he took the tolegram from the boy"一"we could use the chassis I've jnst driven, and there's a sports saloon body back of the shed. Well get sone of tlie fellows to put it on-it ontr wants cight bolts to hold it. Never mind about thie lighting wires. Monsieur Caubert will bo at his hotel in the tomn-I know it. Come on! All right. I'll deliver this wire, leave it to me!" he yelled to the telegraph-bor: and went racing into the shed.

LESS than fifteen minutes later: Bol, pulled up outside the hotel in the town with a smart saloon body hastil. clamped to the chassis he had driven in the high-speed parade. The other dpivers had helped willingly, not because they know what was afont, but because they liked Bols.
Bob jumped from the car and raced into the hercl.

Jiecp the engine maning :" he callerl to Jerry as he went
Inside the hatl lice Monsicm Caukert.
"Telegram for 3on. sis." said Bob. If" thost urgent
Monsieur Gaubert dis ihe enempe. and the expression ou hi face chathed as he read the wire.

Mon Dieti-panee a Cele-in:". hic gasped, and the colour drained slowly from his features. torit de suite!"

I've -got a car ontside -ir? Bob
stepied forward as ho stoke. "Ir crarantec io get you io London as 'rlitick as -..."

A car-waiting "' Monsivir Gaubert junped forward. "Pardonner-moi, and he bowed stiffly to the French officers, then semried betind bobl down to the waiting machine.

Jerio opened the rear door as they appeated. Ho helped the little French man inside, then the two boys dived into THe fiont seats, and bob sent the car It went off with a rush and a roar, slid out of the hotel courtyard, aticl, almo: before Monsieur Gaubert va a aire of it, the machine was roar ing along the road to London.
Bob's tecth were gritted, and hie nevel took his gaze off the road ahead. He never lost a single second, and he drove as though he was a past of the machime he controlled. They ripped into the Inondon iraffic, and, by luck, they did not get held 1!p anywhere. Finally Bob swang the cai lutween big iron gates, and brought it to a stop: outeide ihe entrance to the hospital building.

You wait for me, please !" Monsieur Gatabert called the words as Jerry was helping him out of the car. "I thank ou ver' nuth-excusez-moi ma in ienant." and he vanished into the hospital.

They waited there for threequarters of an hour. At the end of that time Monsicur Gaubert reappeared. The coloux had come back to his face and was smiling as he approached them.

Ill right-not bad," ho told them, "7, leg, you unnerstan'! Hurt a leetle. They ler madance return to ze hotelce soir. Corf̈̈premncz? I am obliged. You are too good, and ze car-good
It's one of the chassis that you saw this afternoou, sir," said Bob. "We put a body on it, so that we could fetch rou when we heard the news.

Chassis, hein? Not the one that In inkle ze nud!" he laughed a little. I lose my temper for that. But now I feel different. I present my apologics umnerstan": That is good. We will have them-all of them !
Bob's heart jumped a little. He was aring that hed take the twenty Knight machines that he had turned down.
"You inform M'sieu' Lucas," he said Tell heem all right. Now, I thank you again,", and he held out his hand to Bob. "You are true sport-British sort. I say I won't have ze cars, yet soll come to help 1 my trouble-tres port! I sec you late, send jou some-jings- lectle present
He shook hands with both of them Eain. then retumed to the hospital.
Boh drove off, and as the cai molled
aro the
We: the
We'll ring up Luca- fira." Boh, aid and let his know that cererthing man. Glad he's going to take the cars. Old Turner wont half be pleased!!,
"Oid Turner". was pleased, and so vas the generai managre and everybody else concerned. On the Saturday: Bob and Jerry discovered that their pay enielopes were abnormally fat; that was because each contained an extra month's pay, by way of bonus for what they had done.
Jut each found something better than hat when they got home. Small, registered packets awaited them. Each contained a gold watch from Monsiem Geubert. and on the inside each watch "as inscribed:" "Tres sport."
Cext weel's story of Bob and Jerry, is entitledl: "The Record Smasher:" Fon'll find it full of thrills!)

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De

## Round the Ficrld on 

(Continued from fage 21.)

laugling that I was glad of the contractor's hut to lean against. For the first time I was really glad for having becn fired out of the soft goods store, otherwise I should have missed this treat altogether.
Half an hour before knocking-off time, I returned to the hotel and sat in a wicker chair in the lounge with my fect on the window-ledge, watcluing the passers-by.
Presently a plump, melancholy figure hove into view. It was Puct.

His back looked as if it had taken a permanent bend; the palms of his fat hauts were badly bruised and eut from contact with the rough edges of the flying bricks; lis knces sagged, and from the look on his face he sermed years older than when he had set out so gaily that morning to ride in the elevator.

Just before lie crossed the road to the hotel, he straightened himself by a heroic effort. His chest came up into the place where Nature had intended it to be, his back stifiened, his footsteps became more firm, and he twisted his lips into what was meant to be a cheory smile.

Hallo, Pacl!" I greeted him. as he came through the swing doors of the hotel. "How hare you been sticking il:"
"Fine! Fine and dandy !" grimed Pud. "Really, fhough, I feel beastly edfish enjoying muself all day

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whic yo've bee standin lohivl a moth dishing out socks and what-nvis." He yansed, and with an air of great generosity added: "Look here, old man, we'll trade jobs if we can wangle it !'
I grimed.
"Thanks. Pud; you always were a gencreus dap. As a matter of fact, though, l've been fired. I'll just liave a quiet stroll around the town to-morrow and look for something else while you go back to your little joyjob in the excavation."
The haggard look crept into Pud's face again
"Er-cr-I haven't felt well in this place, somehow :" he stammered. "Perhaps it's the dry climate that doesu't suit me. Tommy, my bov, we're going to beat it farther up-country and try our luck nearer the Rockies."
My smile broadeucd.
"Right, Pud!" I agreed. "I'm game! But perhaps before we go we might make a few more bucks here. I see there's a freight train in a siding at the depot waiting to be unloaded."
Ohy mumbled Pud, without much interest. "What's it loaded with:"
To which I answered slily
"Bricks-thpusands and" thousands of 'em. Might keep us employed for a week!"
But, with a choking gurgle, Pud was making for the hotel stairs to seek hịs room, and a bed for his achịng limbs!
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[^1]:    The Berengaria's rudder. being spring-cleaned!

[^2]:    hoarrad them on ta ann of

