4.

BREWSTER'S = MILLIONS =

BY GEORGE BARR M'CUTCHEON [RICHARD GREAVES]

Copyright, 1904, By Herbert S. Stone & Company. ARA HAN ARA HAN ARA HAN ARA HAN ARA HAN ARA HAN ARA

took the elevator downward.

usually impassive face now wore a look

At 3 o'clock the elevator made an

ing ceased, and a roar of laughter fol-

And Ellis strode firmly into the studio.

ing the young man, lifted his hand.

"You are just in time for a 'night-

"No, thank you, sir," he said respect-

with a message from Dr. Gower, sir

"Called in?" gasped Montgomery.

who had been called in"-

"Mr. Brewster is dead, sir.

CHAPTER II.

days after his grandfather's funeral a

nome. The gloom of death still dark-

iness, about the house that made him

long for more cheerful companionship.

He wondered dimly if a fortune always

hung about him unpleasantly. He had

had no extravagant affection for the

his grandfather was a man and had

tor who had treated him so well. The

attitude of the friends who clapped him

on the back, of the newspapers which

congratulated him, of the crowd that

turning white.

message"-

"Good Lord!

"Mr. Montgomery, if you'll ex-

lowed the hush of a moment or two.

"The Little Sons of the Rich" were gathered about the long table in Petthem present besides Brewster. They dubiously. At last he climbed into a ing, nopeful and reasonably sure of ers behind. Fo knew it was a birthbore names that meant something in past 12 in the morning. the story of New York. Indeed one of them had remarked, "A man is known other trip to the top floor, and Ellis by the street that's named after mm," rushed over to the unfriendly doorand as he was a new member they

The most popular man in the company was young Monty Brewster. He was tall and straight and smooth shaven. People called him "clean looking." Older women were interested in him because his father and mother had made a romantic runaway match, the footman's side. Ellis, stolidly fac-Worldly women were interested in him fully. because he was the only grandson of Edwin Peter Brewster, who was many give you the messages I've brought but it was left for time to settle. times a millionaire, and Monty was here tonight." fairly crtain to be his heir, barring an absentminded gift to charity. Younger women were interested for a much do A. D. T. work till 3 a. m, for anymore obvious and simple reason-they liked him. Men also took to Monty because he was a good sportsman, a man among men, because he had a decent respect for himself and no great aver-

His father and mother had both died while he was still a child, and as if to make up for his long relentlessness, the grandfather had taken the boy to his own house and had cared for him with what he called affection. After college and some months on the continent, however, Monty had preferred to be independent. Old Mr. Brewster had found him a place in the bank, but beyond this and occasional dinners Monty asked for and received no favors. It was a question of work, and hard work and small pay. He lived on his salary because he had to, but he did to Mr. Brewster's house at once, if not resent his grandfather's attitude. He was better satisfied to spend his than to earn more by dining heads of the subdued "sons," he added seven nights a weck with an old man who had forgotten he was ever young It was less wearing, he said.

Among the Little Sons of the Rich birthdays were always occasions for feasting. The table was covered with dishes sent up from the French restaurant in the basement. The chairs were pushed back, cigarettes were lighted, men had their knees crossed. Then Pettingill got up.

"Gentlemen," he began, "we are here to celebrate the twenty-fifth birthday of Mr. Montgomery Brewster. I ask you all to join me in drinking to his long life and happiness."

"No heel taps!" same one shouted "Brewster! Brewster!" all called at an admonition, without an incum-

"For he's a jolly good fellow, For he's a jolly good fellow!"

The sudden ringing of an electric bell cut off this flow of sentiment, and so unusual was the interruption that the jerked into position by a string.

"The police!" some one suggested. All faces were turned toward the door. A waiter stood there, uncertain whether to turn the knob or push the bolt. "Nuisance!" said Richard Van Win-

"I want to hear Brewster's speech." "Speech! Speech!" Echoed every-

where. Men settled into their places. "Mr. Montgomery Brewster," Pettingill introduced.

Again the bell rang-loud and long. "Re-enforcements. I'll bet there's a patrol in the street," remarked Oliver

"If it's only the police, let them in," said Pettingill. "I thought it was a

creditor." The waiter opened the door.

"Some one to see Mr. Brewster, sir," he announced.

"Is she pretty; waiter?" called Mc-Cloud. "He says he is Ellis, from your

grandfather's, sir!" had reddened under the jests of his the 26th of September young Mr.

to stay out after dark." chuckled Subway Smith

"It was most thoughtful of the old gentleman to have the man call for you with the perambulator," shouted ster house in Fifth avenue, paying but Pettingill above the laughter. "Tell two or three hurrled visits to the rooms him you've already had your bottle,' added McCloud.

"Waiter, tell Ellis I'm too busy to ened the Fifth avenue place, and be seen," commanded Brewster, and as there was a stillness, a gentle stealth-Ellis went down in the elevator a roar

followed him. "Now for Brewster's speech! Brew-

ster!"

That I have arrived at a period of discretion is evident from my choice of ing-to dance on the grave of the menspect is evident from my grandfather' notorious wealth. You have done me the honor to drink my health and a reall to rise and drink to the Little Sons

for his own foolish thoughtlessness Even the fortune itself weighed upon An hour later Rip Van Winkle and Subway Smith were singing "Tell me, him at moments with a half defined Pretty Maiden," to the uncertain acmelancholy when the electric bell again disturbed compensations. For several days when Leaving the bank, he hastened by He rose and walked across the floor, sary to leave town in a hurry. The

son, who had been singing "With All not required at the bank that morning into the street of the numeral. He had er pitiful and . Thy Faults, I Love Thee Still," to Pet- The luxury of another hour of sleep not yet come to the point where he felt There were

espondents were generous and thought only of his own good. For three days he was in a hopeless

state of bewilderment. He was visited by reporters, photographers and ingenious strangers, who benevolently offered to invest his money in enterprises with certified futures. When he was not engaged in declining a gold nine in Colorado, worth \$5,000,000, marked down to \$450, he was avoiding a guileless inventor who offered to sacrifice the secrets of a marvelous de vice for \$300 or denying the report that he had been tendered the presidency His of the First National bank.

Oliver Harrison stirred him out ear

one morning and, while the sleepy milof anxiety, and twice he started to rewere all young, more or less enterpris- hansom and reluctantly left the revel- anarchist had hurled from the pinnacle of a bedpost, urged him in excited, better things to come. Most of them day celebration, and it was only half confidential tones to take time by the forelock and prepare for possible breach of promise suits. Brewster sat on the edge of the bed and listened to bell. This time there was stubborn females had fleeced innocent and even respectful to rich relatives." determination in his face. The sing- godly men of wealth. From the bathhour to stand between him and black-"Come in!" called a hearty voice.

> The directors of the bank met and cap,' Ellis," cried Harrison, rushing to ident and speedily adjourned. The rectory was brought up and discussed, zling millionaire." cuse me for breaking in, I'd like to

One of the directors was Colone "You're a faithful old chap," said Prentiss Drew, "the railroad mag-Subway Smith thickly. "Hanged if I'd nate" of the newspapers. He had shown a fondness for young Mr. Brewster, and Monty had been a frequent a quaver in her voice, and the shad-"I came at 10, Mr. Montgomery, with visitor at his house. Colonel Drew called him "my dear boy," and Monty a message from Mr. Brewster wishing called him "a bully old chap," though seep eyes. and with a check from him for \$1,000. not in his presence. But the existence Here's the check, sir. I'll give my mes- of Miss Barbara Drew may have had sages in the order I received them, sir, something to do with the feeling beif you please. At 12.30 o'clock I came

As he left the directors' room on the afternoon of the meeting Colonel Drew came up to Monty, who had notified much joy out of my abundant riches the officers of the bank that he was leaving.

"Yes, sir. Mr. Brewster had a sud-"Ah, my dear boy," said the colonel den heart attack at half past 11, sir. The doctor sent word by me, sir, that shaking the young man's hand warmly, he was at the point of death. My last "now you have a chance to show what you can do. You have a fortune, and, "This time I bring a message from to triple it. If I can help you in Rawles, the butler, asking you to come any way, come and see me.

Monty thanked him. "You'll be bored to death by the raft you can, sir-I mean if you will, sir,' Ellis interjected apologetically. Then of people who have ways to spend your live here than at that gloomy place on "weakly salary," as he called it, in his with his gaze directed steadily over the money," continued the colonel. "Don't the avenue." listen to any of them. Take your time. money every day of your life, so go garret. You'd a heap sooner do this slowly. I'd have been rich years and than that, don't you remember?" years ago if I'd had sense enough to Montgomery Brewster no longer had run away from promoters. They'll all try to get a whack at your money. prospects." People could not now some day he would come into a million young man is always a tempting moror two. He had "realized," as Oliver sel." After a moment's reflection he

with us tomorrow night?"

final will and testament was read, and, as was expected, the old banker atoned CHAPTER III. Mrs. Gray lived in Fortieth street. wall, your blue eyes as big as dolfor the hardships Robert Brewster and For years Montgomery Brewster had lars?" his wife had endured by bequeathing \$1,000,000 to their son Montgomery. It regarded her quiet, old fashioned home as his own. The house had once been was his without a restriction, without her grandfather's, and it was one of the least," she cried, a soft light in her brance. There was not a suggestion as pioneers in that part of the town. It was there she was born, in its quaint to how it should be handled by their heir. The business training the old old parlor she was married, and all her man had given him was synonymous girlhood, her brief wedded life and her widowhood were connected with it. with conditions not expressed in the Mrs. Gray and Montgomery's mother Optic will. The dead man believed that he ten members straightened up as if had drilled into the youth an unmis- had been schoolmates and playmates, takable conception of what was ex- and their friendship endured. When pected of him in life. If he failed in old Edwin Peter Brewster looked about impulsively. "You'll stay for luncheon these expectations the misfortune for a place to house his orphaned grandson, Mrs. Gray begged him to let would be his alone to bear. A road her care for the little fellow. He was had been carved out for him, and behind him stretched a long 'ine of guidethree years older than her Margaret, posts whose laconic instructions might and the children grew up as brother be ignored, but never forgotten. Edwin and sister. Mr. Brewster was generous in providing for the boy, while he was Peter Brewster evidently made his will with the sensible conviction that away at college, spending money in a it was necessary for him to die before manner that caused the old gentleman to marvel at his own liberality. Mrs. anybody else could possess his money and that once dead it would be folly for him to worry over the way in which beneficiaries might choose to manage The house in Fifth avenue went to a

sister, together with a million or two. It had been something of a struggle kindly disposed relatives who were willing to keep it from going to the Mr. Brewster left his affairs in order. The will nominated Jerome Buskirk as had swept away all that had fallen to home unincumbered. Brewster the day after the will was old the morning," said Mr. Brewster, who the instrument. And so it was that on to one of the good old boarding schools on the Hudson and came out well pre- eyes. Brewster had an unconditional fortune pared to help her mother in the battle "Grandpa doesn't want his Monty thrust upon him, weighted only with to keep the wolf down and appearances the suggestion of crape that clung to up. Margaret was rich in friendships, the advantages they offered. Good Since his grandfather's death he had looking, bright and cheerful, she knew been staying at the gloomy old Brewno natural privations. With a heart as light and joyous as a May morning she

at Mrs. Gray's where he had made his faced adversity as thought it were a pected that even for a moment her courage wavered. Now that Brewster had come into sums before them as their own, seemed help, and it hurts.' such a natural proceeding that he refused to see an obstacle. But he knew gift to Mrs. Gray would mean a wound to the pride inherited from haughty generations of men sufficient unto ish, perhaps, but you know we can't There was a small but troublesome mortgage on the house, natter of two or three thousand dolars, and Brewster tried to evolve a burden without giving deep and lasting offense. A hundred wild designs had egated to the growing heap of subterfuges and pretexts condemned by his

"For heaven's sake!" shouted Harri- him and thank fortune that he was Broadway and then walked eagerly off before her, a smile on his lips—a rath- with whitewash brushes and pleasant for the trial of the bearing or support-"Come home with me, grandson; wealth. His morning mail amused him roll of bank notes was tucked so ath left a companion and an away looking very thoughtful, about 1.50 metre, and it opens at both is 24,964 tons. The brickwork is 18 If In the last 500 years Mexico has

were abundant, but most of his cor- from the sidewalk when Montgomery on the table over there," she replied ignoring him. came up to the house. "Hello, Hendrick!" was the young

> nan's cheery greeting. "Nice lot of Laves you have there." "So?" ebbed from Hendrick, who did not even so much as look up from his Ripley, attorneys, and even from his work. Hendrick was a human clam.

"Mrs. Grav in?" A grant that signified yes. "You're as loquacious as ever, Hendrick."

A mere nod. Brewster let himself in with his own atchkey, threw his hat on a chair and unceremoniously bolted into the library. Margaret was seated near a window, a book in her lap. The first evidence of unbiased friendship he had seen in days shone in her smile. took his hand and said simply, "We

are glad to welcome the prodigal to his home again." "I remind myself more of the fatted

Her first self consciousness had gone "I thought of that, but I didn't dare say it," she laughed. "One must be

"Hang your rich relatives, Peggy! between splashes he retained if I thought that this money would Harrison by the year, month, day and make any difference I would give it up this minute. "Nonsense, Monty!" she said. "How

could it make a difference? But you adopted resolutions lamenting the must admit it is rather startling. The the leadership on to the first vice pres- awening Saturday night with his salary drawn for two weeks ahead. He question of admitting Monty to the di- returns the following Thursday a daz-

"I'm glad I've begun to dazzle anyway. I thought it might be hard to

look the part." "Well. I can't see that you are much changed." 'I here was a suggestion of ows aid not prevent him from seeing the quick mist that flitted across her

"After all, it's easy work being millionaire," he explained, "when you've always had million dollar inclinations."

"And fifty cents possibilities." added. "Really, though, I'll never get as

as I did out of financial embarrassovercoat is to come from and how with judgment, you ought to be able long the coal will last and all that." "Oh. I never wondered about my

> ing. But I wish I could go on living here just as before. I'd a heap rather "That sounded like the things you make used to say when we played in the

overcoats. The tailor did the wonder-

"That's just why I'd rather live here, Peggy. Last night I fell to thinking of that old garret, and hanged if somepoint him out with the remark that Keep your eye open, Monty. The rich thing didn't come up and stick in my throat so tight that I wanted to cry How long has it been since we played Harrison would have put it. Two added, "Won't you come out and dine up there? Yes, and how long has it been since I read Oliver Optic to you, lying there in the garret window while you sat with your back against the

> "Oh, dear me, Monty, it was ages ago-twelve or thirteen years, at

"I'm going up there this afternoon to see what the place is like," he said eagerly. "And, Peggy, you must come too. Maybe I can find one of those books, and we'll be young again.

"Just for old time's sake." she said

either. Do you know, I was thinking I had to be at the bank at 12.30 to let The millionaire habit isn't so armly fixed as I supposed." After moment's pause, in which his growing seriousness changed the atmosphere, Gray was well paid for the unused, but position, "The nicest thing about havwell kept apartments, and there never ing all this money is that-that-we was a murmur of complaint from Ed- won't have to deny ourselves anything vin Peter Brewster. He was hard, but after this." It did not sound very tactful, now that it was out, and he was compelled to scrutinize rather intently and the residue of the estate found for Mrs. Gray to make both ends meet. a familiar portrait in order to maintain The property in Fortieth street was her an air of careless assurance. She did nly possession. But little money had not respond to this venture, but he felt Home For Friendless Fortunes. Old come to her at her husband's death, that she was looking directly into his and an unfortunate speculation of his sorely tried brain. "We'll do any mount of decorating about the house executor, and he was instructed, in h r from her father, the late Judge and-and you know that furnace has onclusion, to turn over to Montgomery Merriweather. For years she kept the been giving us a lot of trouble for two teaching or three years"- He was pouring out him to inform my grandfather that it's probated securities to the amount of French and English until Margaret was ruthlessly when her hand feel gently after banking hours. I'll see him in \$1,000,000, provided for in clause 4 of well into her teens. The girl was sent on his own, and she stood straight and tall before him, an odd look in her

"Don't-please don't go on, Monty," she said very gently, but without wavering. "I know what you mean. and pride alone stood between her and You are good and very thoughtful, Monty, but you really must not." "Why, what's mine is yours"-he

"I know you are generous, Monty, and I know you have a heart. You pleasure, and no one would have sus- want us to-to take some of your money." It was not easy to say it, and as for Monty, he could only look "We cannot. Monty. at the floor. his splendid fortune he could conceive dear. You must never speak of it with them. To walk into the little that you would do it; but, don't you terial encountered of such character

> "Don't talk like that, Peggy," implored.

offered to give her money in that way. She'd hate it, Monty. It is fooltake your money." "I thought you-that you-oh, this

knocks all the joy out of it!" he burst out desperately. "Let's talk it over, Peggy. You don't

come home with me now," suggested at first, for since the newspapers had away in a pocket that seemed to seed Judice. Peggy, he said in futile pro-"Tell Ellis to go to Halifax!" commanded Montgomery. And again Ellis

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"Tell Ellis to go to Halifax!" comhomely as a mud fe published his prosperity to the world with sudden affluence. Old Hend in test, "and you know it

He found the letters and resumed his seat in the window, glancing half heartedly over the contents of the envelopes. The last was from Grant & abstraction it brought a surprised "By He read it aloud to Margaret

Montgomery Brewster, Esq., New York: Dear Sir-We are in receipt of a comnunication from Mr. Swearengen Jones of Montana conveying the sad intelliwick, died on the 24th inst. at M- hospital in Portland after a brief illness Mr. Jones by this time has qualified i Montana as the executor of your uncle's will and has retained us as his eastern representatives. He incloses a copy of the will, in which you are She named as sole heir, with conditions atafternoon if it is convenient? It is of the instrument at once. Respectful-Grant & Ripley. For a moment there was only

> face and reflected itself in the girl's. asked.

"I've never heard of him." at once, of course." "Have you forgotten, Peggy," he re plied, with a hint of vexation in his chines of Farman and Delagrange.

tics this afternoon?" To be Continued WHAT OF THE CANAL?

voice, "that we are to read Oliver Op-

Proplems Not Settled-Engineering vast Prospective Cost of Enterprise.

most serious problem confronting the new administration is that involved in Wrights. The difficulties and the dan-It is all well enough to talk about the tentment of workmen who are receiving double wages, the unexpected progress being made, the flying dirt the "In-Roosevelt-we-Trust" medals to be presented to every one who works two years, etc. But what about guidance of Farman, has just comthe canal? No sane man will be surprised to hear that any idea of approximating the ultimate cost has already been abandoned. The original estimates were not only crude, but, have just occupied entirely new works, we were informed at the time, delibever to wonder where your winter's erately minimized in the aggregate by taking the lowest suggested in each cising ground of Issy-les-Moulineaux individual case, so that the grand to-

> and the country. Secretary Taft indicated his appreciation of the situation when, after visiting the isthmus, he dismissed the question of cost with the remark that it was idle to discuss that phase, since the mechanical portion of the apparin any event, we were committed to the job. The original \$145,000,000 faded into insignificance the bearing or sustaining surfaces of iong ago. Lindon W. Bates, an engineer of the first rank, now puts it at \$550,000,000, with careful reservation to the effect that probably a much larger sum will be required. The best attainable information would fix the total expenditure at little less than a billion dollars before a ship will pass from sea to sea.

But, accepting Mr. Taft's view that we are bound to finish the gigantic undertaking irrespective of cost, again we ask, what about the canal? Is it doomed to be a failure in the end? The army engineers continue to profess confidence. That is but natural and to be expected. But expert opinions from other sources grow more and more disquieting.

There is no doubt that many changes have been made in the plans accepted, although by whose authority or how material can not be ascertained. The chief point of contention relates to the foundations of the great Gatun dam. This structure will be more than a mile long and required to hold a body of water eighty feet deep and covering several square miles of sasin. The pressure on some portions will be 14,000 pounds or more to the square foot. The French engineer. Bunau-Varilla, has maintained consistently from the beginning that no am could be built upon a foundation of blue clay that would withstand this tremendous weight. Professor Burr of Columbia university and Mr. Bates, both eminent men, confirm this judgment. The original opinion to the contrary was based upon a statement that the deposit which would constitute the actual foundation was not olue clay, but a mixture of rock and sand. The latest official report, however, says:

Both the test pit and the borings over the other portions of the dam site indicate that the top layer is a fine sand with a large maximum depth at one point of approximately eighty feet. Underlying this, for a distance of one hundred feet or more, is a thick marine deposit of blue clay containing a little sand, and in some parts a considerable quantity of shells; this material is impervious. Under this and directly overlying the rock is a deposit, varying in thickness up to wenty feet, of small bowlders and gravel consolidated, and cemented together with finely divided clays and

Bunau-Varilla and Bates Messrs. regard this as confirmatory of their judgment, and so, to the lay mind, it h. p., of the Farman type; and, lastly, Mamma and I had a feeling port, however, pronounces "the madrawing room and serenely lay large see, even from you it is an offer to as to be amply strong for supporting of the "Flying Fish," the title given to ment is sufficiently explicit, but does "It would break her heart if you terance of a mind fully convinced it- ed generic character. In all cases the self. Surely the condition is, as we same materials are employed, and they have said, at least disquieting .- Har- are put together on a uniform system: per's Weekly.

TELLING THE TRUTH .-- A preache understand," he began, dashing at replied: "You are right and the min- is are put together, the blades of the come to him, but they were quickly rel- what he thought would be a break in ister who will at all times and under propellers being fixed to their shafts. all circumstances tell the whole truth The shafts are made of steel capable tenderness for the pride of these two her blue eyes was the hot flash he had not occupy his pulpit more than one and the blades are constructed of alum-Sunday, and then he will find it neces- inum. Ellis called him at 7 he would answer electric car to Forticth street and back and forth again and then stood press and the pulpit go hand in hand interesting piece of apparatus intended the world. It is 781 feet in outside family worship is observed and then smile, words. The pulpit, the pen, and the ing planes. It is actually a kind of at the top. It extends 506 feet above there and his daily blessings shall deas she gravestone are the great saint making balance. It consists of an elongated the ground and 5283 feet above its low- scend upon it.

Miscellaneous Reading.

AEROPLANE FACTORY.

A Factory For the Manufacture of Fly ing Machines.

The active and enthusiastic move nent now in progress throughout ated an entirely new industry-name ly, that of the construction of aerocle is the first aeroplane factory in the in many places, which will probably at no distant date be greatly extended. tending. Will you call at our office this and very numerous mechanical workshops and engineering establishments are engaged upon models for flying machines. Moreover, the announcement amazement in the air. Then a faint, company to equip a factory in which bewildered smile appeared in Monty's fifty aeroplanes on the Wright system are to be put in hand forthwith. There "Who is your Uncle James?" she already exists, however, an establishof the construction of flying machines "You must go to Grant & Ripley's and is provided with the requisite plant ed his marvellous flights. They possess, -that of the brothers Voisin. It was this firm that produced the famous ma-

the earliest of the pioneers of aviation and the reports of the experiments of of a machine of the Farman type is began in 1903 a series of patient trials Evidences multiply daily that the of apparatus, without motors of any kind, resembling that used by the their experiments ultimately led them excellent sanitary conditions, the con- to abandon the models they had made and to produce an entirely new type of machine of their own design

flying apparatus, which is now so well pleted the journey from Chalons to by human agency. Messrs. the outskirts of Paris, close to the exercal would not paralyze both congress are carried out. They comprise a very extensive erecting shop, where at the present moment four aeroplanes are in al workshop, where trials are made with the machines and where the motors are

tested. At the time of a recent inspection the aeroplanes in hand were all found to be composed of a lengthy, spindle-shapjudgment ayman can form from ed body, to which Wings or supporting Under Certain Conditions It Is Pracplanes are applied. The steering apparatus is placed at the front end and at the rear are the arrangements for imparting stability to the machine. The fusiform body, which is neither more nor less than a trellis girder of special design, is made to carry the aeronaut. In the bi-plane apparatus of the Farman type this body attains a length of ten meters and is constructed as follows: The top and bottom members are of very dry ash wrought in the direction of the grain of the tim-

ber. The wood is chosen with the utmost care and is very straight grained, sound and homogeneous throughout. The principal pieces are four in number and are inserted at each end into special steel plates or caps. These longitudinal timbers are braced together at intervals by wooden struts and are laterally cross-tied by steel wires which constitute a series of triangles. of rubber-coated canvas stretched on frames of poplar. The two upper and ower planes are united by uprights of The exact form of the surface of the planes is maintained by means of filets of curved wood fixed in the canvas previous experiments to be explained later. The fusiform body has likewise attached to it the metal framework on springs which serves for the attachment of the cycle wheels. This spring frame also tends to deaden any shocks

caused in landing on the ground after light, and it enables the machine to be propelled on its wheels at the necssary speed in order to make a start. The assembling of all these accessories merely needs a large gallery of hall, where the apparatus can readily be adjusted and taken apart, and the tools required are only those usually found in a joiner's shop of the ordinary kind. In the erecting shop there was in aeroplane of the Farman type, with double planes; one of the Goupy type. with triple planes, which was actually being tested by Mr. Goupy. This is an apparatus very similar to that of Farman in point of construction, but having three superposed plane surfaces instead of two. There was likewise bi-plane machine with a motor of 100

would seem to be. The official re- a monoplane machine now being built for Farman, which has already been described in the Times under the name the proposed structure." The state- it by its future aeronaut. All these various machines, in spite of divergences not sound convincing or like the ut- in point of detail, present a very markin the front of the body are also alike came at a newspaper man this way: in every one of them. The mechanical You editors do not tell the truth. If workshops have in them nothing but you did you could not live; your news- what is usually found in such places. paper would be a failure." The editor Here the various portions of the chass-

the combination of surfaces it is desired to text is then placed in front of it in order to ascertain its sustaining power. The surfaces in question are supported by arms projecting from two frames arranged on either side of the box, and these frames rest on floats which are plunged into cylindrical vesscale beam. In carrying out the exworld a description of it will doubtless to twist round to a certain angle, and position it becomes readily possible by a simple calculation to estimate the The brothers Voisin investigate in this

The apparatus they have construct a pilot of skill and experience, as is the scribing curves they automatically asin France. Captivated by the exploits sume the requisite degree of inclina-The Voisin works can turn out four aeroplanes a month, and the cost

forty to forty-five minutes in duration, have tamily worship. whereas Wright has on several occa-Out of these labors arose the bi-plane afforded them complete satisfaction; are now engaged on experiments with interest in the duty. motors of various forms, notably on a Panhard motor of 100 horse-power, inplane, which seems likely to give great satisfaction.

must be directed toward the improvebelieve, become worthy to rank as a means of locomotion.-London Times.

POWER OF WATER.

tically Irresistible.

to see what water will do under cercain conditions.

A stream from a fireman's hose will ful and common today. knock a man down. The jet from a nozzle used in placer mining in the west eats away a large piece of land in a to family religion. day, toys with great bowlders as if they were pebbles and would shoot a man over the country as though he

were a projectile from a cannon. There is a story of an eastern blacksmith who went west and made a bet that he could knock a hole through the jet of one of these nozzles with a sledge hammer. He lifted his arms, swung the sledge and came down on ly always find time for your daily the ten inch stream with a force that meals. Is food more necessary for would have dented an anvil. But the your bodies than religion for your jet, never penetrated, whisked the souls? massive hammer out of the blacksmith's hands and tossed it several hundred feet away into the debris of gold bearing gravel beneath a crumbling cliff. After this the blacksmith left out iron when he spoke of hard

There is also a power plant near cavalryman one day thought he had stream with his sword. He made a his sword was shivered in two and his wrist broken. A little thinner jet of water descend-

moderate speed of 100 yards a second fractures the best blades of Toledo. Of course some people will not beieve such stories without having seen the thing, and one may think it a proof of the scientific imagination to say that an inch thick sheet of water, provided it had sufficient velocity, would ward off bombshells as well as steel

Nevertheless many persons while traveling have seen a brakeman put a small hydraulic jack under one end of a Pullman car and lift twenty tons or so by a few leisurely strokes of the pump handle, and the experience of riding every day in a hydraulic elevator tends to remove doubts of the magic power possessed by water hitch-

do India has about 150 different lan neither the court nor the court interpreters understand

triumvirate." And the great minister box, square in section, with sides of est foundation course. Its total weight

FAMILY WORSHIP.

TERMS---\$2.00 A YEAR IN ADVANCE

It Is Essential to the Highest Spiritual Uplitt.

(By Rev. Jos. T. Dendy.) Family worship as taught in the Bible should be practiced and enforced in an rengious nomes. 1 do not see sels filled with water, constituting a how any tather who claims to be a Christian can neglect so important a periment the surface to be tested being duty as reading daily from the holy prought into position, the frame is scriptures and praying for and with caused, by weighting it, to assume its his family. But the neglect of this place horizontally, and then the blower important duty is so great and alarmis set to work. This forces the frame ing that every pastor and minister of the gospel should put forth every efua's resolution i.e., my house we will serve the Lord.' ramny worship is certainly a duty when we consider the fact that God pronounces a blessing upon those who perform the duty and a curse upon those who neglect it. If you will read in Deuteronomy the 11th chapter and 9th verse, and in II samuel the 6th chapter and the 11th verse, you will had the blessing. Then in one of the Psalms we find that "It is a good thing to give thanks unto the Lord; to show forth thy loving kindness in the morning and thy faithfulness every night." Read in Jeremiah the 10th chapter and 25th verse and you will find the curse pronounced upon the "tamilies that call not on His name." also we find in I Timothy, 5th chapter and 8th verse where the Apostle Paul in speaking on the subject of tamily religion says, "If any provide not for his own, and especially for those of his own house, he hath denied the taith and is worse than an inidel.' Therefore, it is the duty of all Chrisnot yet been used for flights exceeding tian parents, or heads of families to

Again, it is important that we have sions remained off the ground for nearly proper methods of conducting family one and a half hours. The writer asked worship. It should be made so pleas-Messrs. Voisin if they could explain ant and interesting that even the the cause of this inferiority in the res- smallest children will look forward to pective performances. It is no doubt it with delight. Too often the exerthe fault of the motor, and this is the cise is made burdensome and tedious. question which just now is receiving Men fall into a set form which they serious attention on the part of the never vary. Long passages are read firm. The extremely light motors which and the prayers offered are not only have until now been in use have not long, but are the same every day from year to year, with little adaptation to their construction is of too fragile a the home life or the capacities of chiltype to assure sufficiently prolonged and dren. But an effort should be made to steady running. These manufacturers cause all of the household to feel an

In order that his duty may be properly performed parents must exercise tended for their highly powerful aero- authority in the home. The father is head and priest of the home and God has delegated to him this authority. For the present, therefore, efforts A boy did not want to go to church, but his Christian father kindly but ment of the motors employed, and firmly insisted that he should. The where the fitting up and adjustment of Messrs. Voisin are confident that this father said, "So long as my boy sits problem will shortly be solved. When at my table he must sit in my pew." this has been accomplished aviation will It is said that the father is now in the cease to be a mere sport and will, they grave, but the son today sits in the tather's pew and is a main supporter of that church. In almost every community there are throngs of children who suffer from the lack of parencal care and training. If they feel like going to church or Sabbath school they go; if not they stay at home, stray in the streets, or roam the fields. When a man goes in swimming at No parental authority is used to sethe seashore and siaps the water forci- cure their religious training, either in oly with his hand or takes a back dive the home or outside of it. This negfrom the pier and lands squarely on his lect is a sin for which parents must oack he realizes that the unstable li- answer at the bar of God. It is one quid offers not a little resistance. Yet, from which they are likely to reap says a writer in the New York Tri- the bitterest results both here and oune, it would surprise almost anybody nereafter. Because of this neglect of home training we need not be surprised at so many murders, suicides and crimes of all kinds which are so dread-

> Again, let us notice a few objections One says, "I haven't time to perform

this duty.' Joshua was a ruler and a judge in Israel, yet he did not make his necessary application to public affairs an excuse for the neglect of family worship. Do any of you have more to do than he did to excuse you from the performance of that duty? You near-

Another says, "I am too ignorant to

pray with my family." If you had a proper sense of your wants you would not make this excuse. Did you ever hear a geggar, however, ignorant, make this objection. A sense of his necessities is an unfailing fountain of his eloquence. Durango, Colo., where a United States Often men stand on the street corners and other places of public resort and an easy job in cutting a two inch discourse eloquently before their fellowmen for hours at a time over busvaliant attack. The result was that iness, politics and almost every other subject under the sun, yet when it comes to asking God, their Creator, for needed blessings, or thanking Him ing -,.00 feet to a manufactory at for the blessings which he is daily and Grenoble, Spain, and traveling at the hourly bestowing upon them and their families, they are mum and plead lack of eloquence. I am afraid that it is the

> desire in the heart that is wanting. Still another says, "I am ashamed to pray." But is there any ground for this shame? Is it really a shame to worship the God of Heaven and share in the employment of angels? Are sinners ashamed to serve their Redeemer? A little practice will enable you to overcome the difficulty. Besides Jesus says, "Whosoever shall be ashamed of me and my words of him also shall the Son of man be ashamed."

One other will say, "But my fam-

ily will not join with me." How do you know? Have you ever tried? Are you not master of your own household? You exercise supreme authorty in other things why not in this the most important of all? Begin by firs. peating the Lord's prayer and you will and lually offer a prayer of guages, most of them unwritten, and your own. Family worship embodies it not unfrequently happens that In- a hallowing influence that pleads for dians drift into Calcutta who find no its observance. It gives a practical lar. Not a little trouble is caused by religion home to parents and children. such visitors. The courts, too, fre- It has a remarkable sin-deterring inquently have trouble with litigants and fluence. Human nature is there witnesses who talk a language that checked and moulded by the amiable spirit and lovely character of Jesus Christ. The mind is expanded, the heart is softened, sentiments refined, about his members, alive or dead, will of resisting a high degree of stress at Great Falls, Mont., a huge brick passions subdued, pursuits ennobled, of the smelting works, which will take heaven realized as the first prize. Let

and told of the unsurpassing beauty of renders it possible to produce a cur- inches at the base. It is lined through- country in the world, the output for