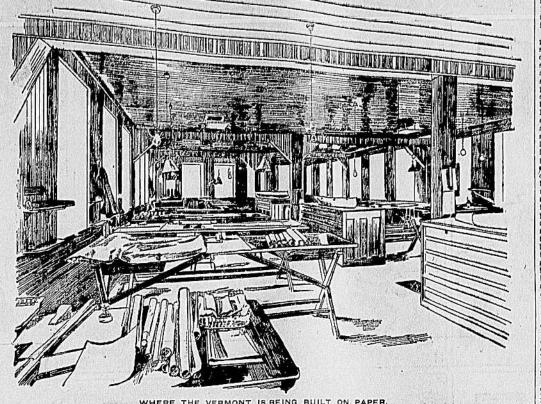
HOW A BATTLESHIP IS FIRST BUILT ON PAPER.

m decides to build a warship there must be something over 1.200 plc.us frawn and approved by the government before the vessel can be constructed. These plans alone, in the case of a first-ing builtentia ins buttleship, such as the Vermont, the

BOSTON, MASS. August 22--When hele Sam decides to build a warship here must be annething over 1,20 plrus and their equally lively little destroyers, and



WHERE THE VERMONT IS BEING BUILT ON PAPER. Corner of the New River Drafting Room, in Which the New Battleship's 1,200 Plans are Under Way.

20.000 of these bolts, and has read, pondered and put in lectric wires alone sufficient to distribute an amount of power that would supply light to the streats and houses and run the trolley cars for a city of 25,000 inhab-

light to the streets and houses and run the troiley cars for a city of 25.000 inhab-liants. Putting these specifications into actual plans-in other words, building the war-ship on paper, with rule, T-square and compass-takes about twelve months of the ex-ship on paper, with rule, T-square and compass-takes about twelve months architects, draughtsmen and photogra-phers. All through this period a special cleatrical apparatus is buisy preparing blue prints of the completed drawings. From the govornment point of view, the store the solit boo erything that is drawn on paper is a plan, and everything that goes hito the ve-erything that is drawn on paper. Build-ing a war vessel is different from build-ing a war vessel is different from build-to which no two are exactly similar, has its individual place in the ship; ever construction. The armor plan of a ware those that provide for the warking of the set dingeren the streng very the stakes of a shipyard's draughteme. Other those that provide for the warking conturuetion. The armor plan of a ware those that provide for the warking of those that provide for the warking of those that provide for the warking of the set dingerenties and in this respect no two versing the set dingerenty. Still mether se-tother twink, in that the long set to the twe 'the lang and in this respect no two versing of the we 'twe, 'twin warkings' being like other twink, in that the long all the sing twe to the twe 'the and the streng were the steal plates and pai before it becomes part' of the ship's construction. The server plate of unsets that are to keep her gins and hit his respect no two versing those that provide for the working of the set differently. Still mether se-tother twink in thing the set and the sacting different the ship were the set differently. Still mether se-tal the set plans age forward in the stake of a future hammed he manifor the and his morthing bath-ub. The are alike, even "twin variahips" being like other twins, in that they look alike, but usually act differently. Still another se-ries of deleately complicated plans are those that provide for the arrangement of tubes, wires and other means of con-necting every part of the ship with every other part, for not only must space be economized to the fluest practical point, but every part of the system must be readily accessible in case of necessary renars at short notice. repairs at short notice

has read, pondered and put in practice the volume of specifications under which it signed a contract to build battlebil No. 30, as the Vermont is officially known —is a good example of the exigencie under which a modern war vessel is put togeiher. Very likely, if a visitor should plok up that bolt after it had been aftu uily menufactured and was waiting to b used in the vessel, it would seem much

Vermont finally into commission is the carefully studied and exactly described drawing of a future hanmock hook. All these plans go forward in general groups, the ship boing divided into hull and engines and electrical arraincoments, and engines and electrical arm and the work of the yard foil lines of division. The two do start their drawing simultane engineering department, whose urally includes hundreds of of of machinery, driving rods cranks, waives and gauges a the big engines and dynamo, making rather less than the r plans made by the departmen

provided he pleases to do nothing which

hall again at "quarters," and from there

the different divisions are marched to the

places where their real work for the day begins-the work of learning the various things which a sailor has to know in order to be one of Uncie Sam's best.

With the exception of half an hou

for dinner and half an hour's time for recreation after it, the rest of the day, up to quarter of five in the afternoon, is

and exercises, which transform the boy into the man-o'-wat's-man.

From quarter of five until supper time

he band plays, and the boys can dance and play about the buildings and the

and pay about the bunnings and the grounds, or read and write and play games in the library. After supper there is nothing to do but to enjoy one's self until hammocks are "piped down" at \$25, when every boy goes and gets his hammock and carries it to the place where he to church

of the establishment. At 9 o'clock all assemble in

unficts with the regulations and rules

access. s at short notice plan for a bolt-the drawing-that is, v "bip and Engine "yes to il-the perfect mechanical drawing Company in the United

HOW UNCLE SAM TEACHES HIS BOYS TO BECOME SAILORS.

His Great Training Schools Where He Educates Every American Lad Who Wishes It, Gives Him Clothes and Food, Sends Him on Cruises and Pays Him While He Is Doing It.

NO. IL

THE PROBATIONARY TERM

By H. IRVING KING.

BRIGHT, ambitious boy, who really means business and wants to be a sailor and a good one, need not stry in the new-comers' squad at the training ation more than two, or at most, three ceks. By that time the novelty of his froundings has worn off and be knows lot of things he did not know before, otably how to keep himself and all his clongings scrupulously clean. He has been instructed in the manual arms, has had plenty of exercise in the gymansium, and, if it is summer, as been exercised and instructed in

exercised and instructed

ist has examined his teeth and if they needed it.

aired them if they needed it. Inally, the day comes when the chief iswain's mate, who has charge of the ad, and whom the newcomers have look upon as vested with aulittle lower than angels, recom-lot of them for promotion

ig his hammock and his clothed i his other belongings, the new marched over to the hig build-which he is to make his born while he is at the training

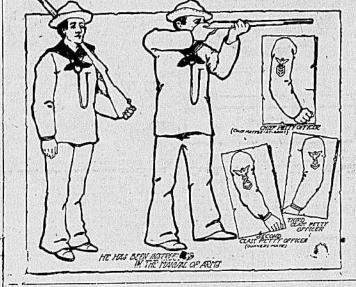
like any other boy at a all now-a young cub with his will have his friends and

sossibly his little "scraps," but he s to rely upon himself and to be-strong and manly. awings his harmock that first night

building in a great room with the boys, and, as the was f other boys, and, as the was of other beach lull him siready a sailor. But he isn't-

morning the boy, no such and such & s division, and of the regular battallo

his full outfit of clot



It comes to tying his black slik necker-chief he despairs of producing anything is the way of a sailor knot that will not gcod-natured fellow helps him out, and he is back in the great hall with the rest of them, and in his place in the formation hugles have ceased announcing be a disgrace to

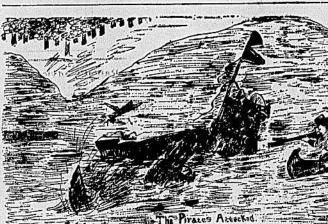
hat breakfast is ready. This breakfast formation involves another inspection, at which an officer

looks over the boys to see if they are all in proper uniform. One who is not is punished with two demerits.

The officer of the day, a conflicer, makes this inspection makes this inspection and pre-at the formation. To the appren is a great and powerful potentate flicer, makes sides has sharp eyes and the militar air which impresses. At the formation the names

apprentices who have been guilty of in-fractions of the rules and regulations of he school and read out, together with the charges against them. The order: for the also read, but of these the new understand about half.

If the weather is good his formation is held out of doors. At its close a gun is fired and the station flag hoisted to the top of the lefty staff in front of the com-mandant's office, with proper ceremonies. This is "colors," and a formal notice that the navy is "at home" for the day. this gratifying intelligence the entir ontinllo marches off to breakfast. The all had a cup of cocoa when they got out of their hammocks, but by t got out of their nammocks, but by s time every boy feels that he could justice to several breakfasts, all at e. The new apprentice thinks with a ite "if his mother could see him now"-



DRAWN BY JOHN SM ART, OF RICHMOND.

omitted to wash his face and hands prop-

erly. He already begins to say to himself: Oh, could that boy be 1?" When he takes his place at the break ast table to-day he sits among the older

en held in the around it. In al flags, and,

It is an imposing place, and this being the first time the new boy has taken art in any longing to vast system which flags and stately

goes and gets his hammock and carries it to the piace where he is to sling it from great hooks in the beams overhead. Then, at the order, he hooks up his hammock and prepares for bed. When the lively notes of "tattoo" are heard the boy is supposed to be in his hammock, and when they are followed by the good-night of "taps" at 9 o'clock a slience fails over the great building, and that day's work and pleasures are done. Troubles of a Boy. has a report against him about which Editor T. D. C. C.:

1 have sent you three colored pictures but as none of them took the prize, J an going to try for it again, by telling you something that happened to me while i was in the country.

CHAS. BROCK HUGHES.

Aged nine years, No. 200 E. Franklin Street

at Val Verde two of the eggs, I tell out of one day and hurt my arm the chestnuts just the sar I received the badge of t you for sending it to

very pretty CHAS. BROCK HUGHES Agent nine years

fast table to-day apprentices and looks over pat to where the "newcomers" breakfast formation has been h great hall with the gallery aro the gallery there are signal f R OUR MOTHER GOOSE PAINT BOOK CONTEST. R

atronizingly and uniforms play a part. After breakfast he is sick and has to altend

formation in it, he feels a new officers, orders

of hundreds of other clothes bags. He is also taken to a locker where he is to keep his hammock, and he gets a new lot of orders and instructions, swhich soon come to be to him only a part of the daily routine of his life. The place is full of boys going and com-ing, petty officers hurrying about, and a commissioned officer or two here and there. The morning cleaning and scrub-bing is just over and the place and its or-cupants smell of song and water. It is time for the early morning in-meetion, being 7:15 A. M. and as the call sounds the boys fall in. They take their places in long lines. Their faces shine from only their underslothes, The new appren-tice, possibly with some difficulty, finds his place in the line and a petty officer may order him in a decided tone to stand straighter, to move to one side or the other, or a little forward or back. The for its called to see that all thy boys are there, and then the ranks are opened and the senior instructor com-mends. 'Off undershift's''''. At the first command, the boys strip off their undershift's''''. Two instructors now welk down the ranks holding them out so they can be seen all over. Two instructors now welk down the ranks booking carefully at the boys and their clothing to see, if any chance, there is a subjoin of dirt anywhere. As each boy is passed by the inspector be puts on his undershift again, and this makes a ripple of undershift being hoisted on to bare young backs running down the two ong lines.

The uniform order for the day is then read out-whether they shall wear their blue young backs running down the two long lines. The uniform order for the day is then read out-whether they shall wear their blue suits or their white ones-and then, at the order to "break ranks," the boys weamper off to the bag-room, where they get out their bags and don the dealg-nated uniform. They are supposed to be all dressed up, with shoes shalling like their faces, their hair combed and brushed and generally in "ship shape and Bristol order" by the time the hugles blow for breakfast for-mation at 7:60. The new boy has a hard time of it, for he is nervous, with so many other boys pushing and crowding about him, all taking at once, and he has not yet quite got the hang of his sallor togs and the knack of getting into them guickly.

quickly. His knife lanyard refuses to hang with just the same graceful and abandoned ir as that of the older boys, and when



- This is the house that Jack built. This is the malt that lay in the house that Jack built. This is the rat that ate the mult. This is the cat that killed the rat. This is the dog that worried the cat. This is the cow with crimpled horn that tossed the dog.

This is the maiden all forlorn that milked the cow with crumpled horn, This is the man, all tattered and torn, that kissed the malden all foriorn, This is the priest, all shaven and shorn, that married the man, all tattered and torn,

This is the cock that crowed in the morn, that waked the priest all sharen and shorn,

This is the farmer sowing his corn, that kept the cock that crowed in the morn.

In this series of "Mother Goose" picture painting contests, three prizes will be awarded each week, and each will consist of a copy of the "Mother Goose Paint Book," 48 pictures and 48 pages of verse, making a book of about 100 pages, with paint brush and five cakes of paint attached to the cover. The three pictures that are most nearly and most appropriately colored will be selected each week for prizes

RULES -- Cut out the picture, leaving the coupon attached, and color the picture as neatly and

Write your name, ago and address in the blanks on the coupon left for the purpose. All pictures intended for competition must be in **The Times.Dispatch** office not later than Satur-day at 6 P. M.

The pictures look better if mounted on stiff paper or cardboard, but mounting is not required. The award will be made a week from next Sunday.

Address EDITOR CHILDREN'S PAGE, TIMES-DISPATCH, RICHMOND, YA.

	No. 206 E. Franklin Street.
1	In Meadows Green I Wandered
	In meadaws green I wandered One sultry summer day, The wind was blowing gently, And the clouds were silvery gray,
	The little birds were twittering, In the tree-tops over head; And the frogs were chining softly In their deep and watery bed.
	Many pretty flowers were blooming, In the grasses 'neath my feet, And they seemed to whisper to me In accents low and sweet.
	But at length my feet grew weary, And I hay me down to sheep. And God's blest and holy angels Watch did o'er my slumberg keep.
	And behold when I awakened The stars were shining bright. And I bade farewell to the meadows In the stillness of the night. LINWOOD HUGHS WARWICK.
	R.
warded each	"If any little word of mine May make a life the brighter. If any little song of mine May make a heart the lighter. Then help me speak the little word. And take my bit of singing. And trop it in some lonely vale. To set the echoes ringing.
	"If any little love of mine May make a life the sweeter, If any little care of mine May make a friend's the fleeter, If any lift of mine may ease The burden of another. God give me love and carb and strengt -Selected by Louis Cohen.
1 48 pages of to the cover.	A CONTRACTOR OF
to the cover.	Tabby Gray,

I'm a pretty little kitten. My name is Tabby Gray. I live in Frogley Farm house, Some twenty miles away.

My little eyes are hazel. My skin as soft as silk. I'm fed each night and morning. With a saucerful of milk.

I'm petted by the misizess And children of the house, And sometimes when I'm nimble, I catch a little mouse, KATHLEENE E. SEAT.