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Models



THOUSANDS OF OPERATIONS ARE NECESSARY.

ome Details of the Intricate Factors Entering Into the Manufacture of Warplanes.

The time, labor and material which go into the making of a warplane are thus set forth by Lieutenant Colonel Hiram Bingham, Signal Corps, U.S.A. Let me try to depict by a rough pic-

Think, then, of the hundreds of thousands of planes in the Ameri-can program and of how utterly hope-less for us the situation would be if those parts were not standardized, turned out by machinery in tens of different factories on any kind of plane. The reduction of aircraft manufacture to the simplest, stand-ardized quantity production basis has been one of America's great triumphs Think, then, of the hundreds been one of America's great triumphs in the air and an achievement which

in the air and an achievement which very soon will be making itself felt. But metal must be used in an air-plane as little as possible. It is alto-But metal must be used in an arr-plane as little as possible. It is alto-gether too heavy, especially when a few extra pounds make all the mar-gin in speed between victory and de-feat. An engine of 300 horsepower is in itself enormously heavy to rise into the air; so that the rest of the machine must attain the very acme of light heavy to rise into the air; so that the rest of the machine must attain the very acme of lightness

## The Strain Exerted.

That very lightness, however,

Tendo.

ailerons; 2.3 per cent. is fit for the wing beams; 4.6 per cent. for the long struts and the same for the landing gear. The balance can only be used for ribs and the smaller fittings. These figures show why America's vast lumber resources are being strained to the limit to build our air fleet. They explain also why it has been necessary for the United States to take over the whole spruce output as agent for the combined Allied program and eliminate the ruinous competition which had prevailed among the English, French and Italian Governments."

the necessary length and strength for

Yes, Who? The wounded Tommy was sitting

up in bed when the nurse brough him his tea. He stared at his plate, and just as the nurse was leaving him, he "Oh, I say! Who ever put the butter on this bread?" "Why, I did," returned the nurse indignantly. Tommy went rather red, and stammered: "I\_\_\_\_\_ Oh, pardon, nurse, but-well, who scraped it off again?"

LEMONS MAKE SKIN WHITE, SOFT, CLEAR.

Make this beauty lotion for a few cents and see for yourself.

Hiram Bingham, Signal Corps, U.S.A.
 Let me try to depict by a rough picture a plane in the making. Suppose, for instance, you were set to driving what were drived for a single mark two-thirds of the you have experiment were the bid one is acid, therefore irritating, and hose is soil, therefore irritating and the bid one less than two-thirds of the work of this sort required for a single mark two-thirds of the skill that goes into its for a French batte for an foats so gracefully through to the skill that goes into its driving.
 Must Use Little Metal.
 Must

## Minard's Liniment Lumberman's Friend

Worse Than He Realized. It is told of Rufus Choate, the fam-

so vivid was his description of the ex-tent to which the forge had been stripped, that the blacksmith, who sat

Theories as to the underlying causes of the great war are as nu-merous as guesses regarding the time when the end may come, and hardly **YES! MAGICALLY!** WITH FINGERS WITH FINGERS You say to the drug store man, "Give me a small bottle of freezone." This will cost very little but will positively remove every hard or soft "The work of the latest is from Dr. C. Killick Millard, medi-cal officer for Leicester, England, who

nis will cost very little but will positively remove every hard or soft corn or callus from one's feet. A few drops of this new ether com-pound applied directly upon a tender, aching corn relieves the soreness inoverflowing populations have been a fruitful cause of political unrest and war. Germany's mad dream of world supremacy was fostered and encour-aged by her rapid increase of popula-tion during the last fifty years. If the fall in the birth rate had set in our last latest returns show that is is

be lifted off with the fingers. This new way to rid one's feet of corns was introduced by a Cincinati man, who says that freezone dries in a moment, and simply shrivels up the be lifted off with the fingers.

Easy Enough.

Keep Minard's Liniment in the house.

Did you ever stop to think that farmer is a laborer and a capitalist? If he is to continue in that double ca-pacity he needs a proper return from both work and money. In other words he should have "a good living and 10 per cent.

Send wheat across the ocean To every good ally.

MONEY ORDERS.

War and Population

Apples will form the basis of almost any jelly



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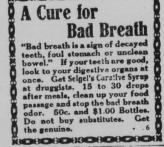
Celery and peas are not recommend-ed for small gardens, but runner beans will produce well for the space they occupy

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**CUTICURA HEALS ITCHING ECZEMA** 

So Bad Could Not Sleep. **Red With Water Blisters** and Burning.

"I had eczema so bad I could not sleep. It first started on my arm, then I had it on my body so that I could hardly wear my clothes, and I had to stay in bed. My fiesh was dark red with water blisters, and burning and the blog.

with water bisides, and burning where thehing. "Everything I tried seemed to make me worse, and I had the trouble for mearly two years. I read about Culi-cura Boap and Ointment, and I got them. They did me good right away, and now I am entirely healed." (Signed) Mrs. Peter McIntosh, French River, Ont., April 10, 1917. How often such distressing, disfig-uring skin troubles might be prevented by every-day use of Cuticura Soap and Ointment for all tollet purposes. For Free Sample Each by Mail ad-dress post-card: "Cuticura, Dept. A, Boston, U.S. A." Sold everywhere.





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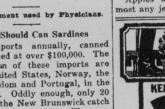
stantly, and soon the entire corn or callus, root and all, dries up and can

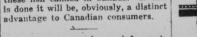
man, who says that freezone dries in a moment, and simply shrivels up the corn or callus without irritating the

Don't let father die of infection or lockjaw from whittling at his corns, but clip this out and make him try it. If your druggist hasn't any free-zone tell him to order a small bottle from his wholesale drug house for you.

Men own, with modesty becoming, That they've no knack for law or

plumbing Or adding figures, art or preaching





Auto Strop

RAZOR

Any banana can be used for mak-ing marmalade.