## THE UNITED STATES PATENT OFEICE,

The patent office building oceupies two blocks of land, wituated between Seventh and Ninth and F and G utreets, and is 453 feet long and 331 feet wide, and is 75 feet high. In it are the officen of the Secretary of the Interior, the Commissioner of Indian Affairs, the Commissioner of the General Land Office and the Commissioner of Patents. Tho original building was of freestone and granite in the Doric atyie. Two wings of marble were afterwand added, each of which equaled the main edifice.

At the time of the fire in September, 187\%, the building contained nearly 75,000 modela, arranged and classified for the convenience of parties interested.

The World in Wax.-Mr. Grube, a maker of wax images in Now York city, has construeted what is olaimed to be the largest globe of the world, showing the ranges of moantains and other peonliarities of the surface of the earth, in relief, now in existence. Ita diameter is four feet and about one inch, the scale being one in $10,000,000$. The rauge of even the Himalayas would not be visible upon this globe if the scale were alopted for the elevations as for the map,

A New Roas locomotive,-A new road locomotive has lately been patented by Richands $\&$ Dale, 36 Taylor atreet, Springtield, Mass, in which the traction will be aceured by vertical burs acting as feet, diapensing entirely with driving wheels, The motive power will be applied direetly to the main shaft by a crank-rod and crank, as in ordinary engines. No new principles being thus involved in the use of the nteam, the machine in very nimple and more likely to te prasticable. The frame of the engine is horizontal with a two-wheeled truek at the rear end, while the main shaft is in front, in a horizontal tranaverse pouition. Thin shaft bears four cranks in aldition to these that drive it. Upon each of them is a leg consiating of a straight bar, provided at the lower end with a suitable foot or shoe by which the tration is obtained. There is also an arrangement for shortening the length of the step if asoending grades or drawing ususual loais. The machine will work equally well backward or forward, and if a foot should happen to cut a channel in the ground without drawing the earriage forward it can be turned in either dirention to get a frenh itart. The engine may be detached

## CHAFF,

Ir a man have a great many debts, are they very much to his eredit?
A sor of 12 , dining at hia unele's, maile such a good dimner that his auntio observed, "Johnay, you appear to eat well." "Yea," roplied the urohin, "I've been practicing eating all my life." A Nonos in a Weatera nownpaper ende at followe: "The eaptain swam ashors. So did the chambermaid; she was inaured for $\$ 15,000$ and loailed with iron."
Photogariza-"You look soberi smile a little." He amiles, and the photegrapher aayp, "Not so much, air; my instrument in too small to encompass the opening."
Is Stanstead, Canada, a man sold 10 -eent packages "warranted aure death te petato buga; no rink of poisoning animala as with Paria green." The packages were not to be opened until time to use them. One vietim having three, opened one and found two ayuare bloela of woor, on oas of which was written; "1'lace the bog on this blook and preas firmly with the other."
Pleamant Atrienative-Strangef! "Here ! You! We can't pase your ox 1" Runtios


## UNITED STATES PATENT OFVICE BULLDING, WASHINGTON, D, \&

and accordingly the relief is made upon a saale which exaggerates hights twenty times. The oeesans, seas and rivers are colorod blue: the continents are yollow; the glaciers, icebergg and floating cakes of ioe white. Mains and mountain ranges are cloarly shown, and every part of the world is exhibited in its true charaoter. Red, black and white lines cross the globe to indicate the inothermal belts, the varia tions of the maguatic needle the date line where ships correct their loges by slipping from Saturday to Monlay, and rice verm, and other facts of like charicter. The map has been corrected in the light of the latert diecoverie down to two months age. The northeru cosat of Siberis has been much altered in the atlases by the Nordenakjold expedition, the chipe niiling in deep water over places marked sa 500 miles inland, and being compelled to go huadrods of miles around promontories, ete, which ars oocupied on the maje by bodies of water. The globe is made of wood. The reliat is formedty wax. Mr. Grabe has beentwo years is perfect. ing his globe, and Chier Juatice Daly and other yeographers have lately been giving attention to it.
Tus new ateol bridge over the Misosri river, at Glasgow, Mo., is the lineat bridge of the kiad in the vorld it is nearly 500 fet long, said in to mory strad is warratad is bend double before it will broak.
from the fent so that it can be uned for hoisting as well as locomotion. In the alisence of illastrations we are unsble to my whether the machine could be male servicable is our miaing regions or not.
Cmisar Poncklats,-The Chinese subject the greater part of their porcelais to bat ose firing, first drying the pleess nufliciently in the air to prepare then for glaring. This plan they are able to purnes, becanse the nature of the material is nuch that it resiste the entracice of water. Their glase is mach soparier to any is use in the Eareppan poiterien, lut is requires the mont intense deyres of heat for its fusion, and considerable art is oonesquently required for the masuagrment of the firn, at well as in the cosestruction of their avens. These ame boilt in the meat sututantial manset, so that when the fire is at lte greatast hight the hasid may be spplied to the ontride without any fear of burning.
Blackise Broves-If thoee who lieck their own stoven will grose them belore blacking they will flad it prevente them from nasting Add a piach of brown engar to the Blacking juat helione applying This caves it to stien and if polishes moch estier and with half the rubling:
"Carn't ye $₹$ Tat'un pase yow, thes" "4htrangeri "No impalenos, sir. The pas isn't vide gnough for both." Histie "Hais'ist Well, 1 learea It to he. Meble ho'll tose ye for it $\mathrm{f}^{\prime}$-Punay Folls.

Thyyyon't sarly peen, "The laver'a Thale," just prablialied, contains shout 1,100 lises. A pretty lonig tale to puar inte her car, and he wast have gose to see her at lesat three niglite a week for a year. When he lefh, at it A. M, Monday, he would tie a string around har finser so she woshl remesibier where he left off. and whisjer is har est, as ho hisend her good. aights, "To be eontintued oe Tresilay evening"

Prankeviso Insecta -A, Iabualliare rebienmenils plunging the insects, in the frosh state, into alcohol which has lees saturatel by digestion with arsenious achl (1) pint will take up about 14 Troy graies of arsenie). The living insect put inte this preparation ahoorle aheut 0.008 of itsewn weight. Whes scaled is this liguid and dried the specimens are safe from the navages of moths, anflicusus of derapefis. This trestinent does not atfect the colot of Blas, grese or red heetles, If dried after moaking for 12 te 24 hoser. Ifresptera asd orthopteric cas be teseted is the asme way; alse the ceete, cevows and clurysaliles of insesta.

