THE NUT-SHELLL, MAY, 1890.

- fointel Alobing rod, and supposing the cene, or a lengit. of the row, io just iv, and if the eun ohises, it will east a 17. and if the oun ohises, it will east a ohedow ; now with a poeket-rule, you anenure the it, sugh of feet. Here then we have is right angle of twe thet and Chree feet. Now measure from the hese of the tree to the end of its ahasow, and we will suppose it to le twenty feel. The problem, therefore, is sim. ply this: If a ease three feet high peats a shadow of two feet, how high must a tree be to east a shadow of twet. ty feet? Or, in other words, if two gives, three, how much will twenty, wive find the anower to the thirty feet Thus, by similar triangles, we have Thus, by aisuilar triangien, we have
$9.3: 20$. $\mathrm{X} . \mathrm{X}-30$ feet - the tree't height.
Moight. is another method whieh hasa
Tiere is the adrantage of being still more simaple and eanvenient, by which the height of a tree may eanify he deterinined by its shailow. Any person may easily meneure the exaet height of a tree when the sun shines, or during bright moonlight, hy making two linee
on the ground, three feet apart, and on the ground, three feet apart, and then placing in the ground, on the line
meareat the sun. a atiels that ohall meareat the sun, a stick that ohal stand exaetly three feet out of the the stick exaetly teuches the farthest lime, then also the shatow of the tree will be exactly in length the same messurement as ita height. Of course, in surh a esoes, the sun will be at an excet angle of $45^{\circ}$, or just an
the senith and the horizon
But the reader may now ank: Suppooe the sun duesn' then set up the cane as before, cay oighteen foet from the hase of the tree. Now place your head on the ground, with the ease hetween you and the tree, maving aearer to or farther Iroun it until you ean just see the top of the tree over the top of the cance, then place a pebble or mank on the ground at the point where you obtain This view. The eang being three feet high. the distance from the pelbhl to
it will he two feet, and from the pebble it will he two feet, and froma the pebble to the hase of the tree, twenty icet, height of the tree to be twenty feet, at explained slove.
The following method, with a little proetice, will emable any person to inesoure the alights of trese or other objecte with approximate neeuracy Whon the sun is not shining, and the method here given represent to the simsplest nad quiekest way to meanure colutely eorvect.
Firot make a marik on the tree or other oljuet, any six feet from the ground, ar place a pole six feet upright agoinot it. Then walk away to such a dintanes that the hreadth of the hand, eover the ais leet. Mark with the eye appint on the tree at the upprer end of the six foet, and mave tho hand upcamts and another hroesith, and thus procel until the whale heighs is meas for on mesistant to otand at the foot of the trop, and if with his hat on he will be als feet high, he may eerve ma meace: ure to hegin with instend of the rod It is well to stand at come distance frma the troe in manhing these measuremanto of otherwine the upper measured por tipas will the larger than the lower on coepunt of the " lomgar legg" of the imaginary triangle. If the diatance he too groen for the breadth of the hand, one or two pagers oniy may bectiot rule. ©r if the poelhot
 inte inches may lio macle to indiente the portione meseured, amd the whole completed at one meesurement.
The heighte of perpencilicular banks of latien or other preeiplees, or the decoent of a waterfall, have heon alingularly miafuatged for the wath of nome owel monas of mapasuroment as thoee demerilied ahove If the water of a lake Frosece in winter, the iee formas an exof any of its shores of hanks, and the of any of ice shoree of manke, and the which grow upee then.

COFT SUESTITYPAS.
Xorway even now uese eom for cola. cof roptar of money
in indicertrepof tea yriase eurcueng. colls dian gieven ef tile.

Bheep and ozen among the old Roanns took the place of snoney , sea the $Z_{\text {ulus }}$ Tin that value at the great fair at Niahn! Nee value at goroal.
auin the retired distriets of Now darinen female slaves form the atanAard of value.
Among tome of the native Australana areenstone (joile) and red vehre
Chocolate is stifl usel in the interior ${ }^{\circ}$ © South Amerien for curreney, as are Iron ats and eges.
Iron apikes, sif heing a drechm or $h_{\text {andful }}$ are still employed in eertain
Parts of Central Alries.

## : A. HEWSON \& SON ;

ARE NOW SHOWING
$\therefore$ NEW SPRING MILLINERY
LATFST STYLES IN
HATS, BONNETS, RIBBONS, LACES, 7 ULLES, VEILINGS, \&oc.

ROUCHINGS AND DIRECTOIRE FRILLINGS.

DRESS GOODS, FRENCH CHALLIS,

NEW DRESS MATERIALS

> HOSIERY AND GLOVES.


FOULARDS AND SATEENS. AND MANTLE CLOTHS.
tolinevo and tobaceo reecipta were legal tender: corn nand heane and cooltisb aploged
The amall, harti shell, known an the on lolandes, and Afriea, in the place ot aubidiary eoin,
Aceonling to Preneott, the money of The Aatecs and the nations in kin, conand hage of choeolate graina
Before the introduetion of eoinel money into Oreees, skowers or apikee of iron and eepper were a curreney. ais herigg a drachin or handful.
The Carthaginiane had hetter money. Barharines, during his igh twith Mi. on did John the Good of France in

Montesquinu being found in eertain Farta of Af ' Cen. It is an ideal motuey, of value wi. $\quad t \mathrm{~m}$ unit.

## APHORISMS.

He surely is moet in want of anothH's patiesce who has mone of his own. -Lavater.
To endeavor to worl upon the vuigar fith ane sense is like atten.
Prejudice and aelf autticieacy naturally proceed from inexperience of the ally prosed and ignorance of mankind.Addison.
One of the greateat of all mental pleasures is to have our thoughta often divinel, even entered into with sym-pathy-Landon
Never be diseouraged by trifies. If a spider breaks his thread twenty times
he will mend it an many. Persever. he will mend it an many. Peraever.
ance and patience will nceomplith wonance and pati
ders.-Blair.
Our devirea always incrvane with our possenasions. The knowleige that sonething remaina yet unenjoyed impmirs our enjoyment of the good inefore us.Johnaon.

## QUEER TRADES IN PARIS.

There are many queer trades in Paris. One of the oddent is that of "painter of turkeys lega. This artist is known
only to the poultry dealing fraternivy only to the poultry dealing fraternicy
and is a highly useful member of this and is a highiy useria memiser of arill he enmbles the trader to paim off a birit of inatriarehal age, with a certain vague romance as to the date of its decense, upon the minguided housewife, or even upon an experienced buyer, who hes lemarned to judge a turkey after the manner of eookery hook writers. Tur. hays when freahly killed have shing hisek lege and claws, but an the day of their death becomes more of andient himetory their lower extremitien asaume a slaty, dingy gray tromitien onsume a siaty, dingy gray
eolor. Old turkeys too, have long eolor, and horny looking beaks, which the ingenuous artist pares and varnishes. The artist gues round to hie euttomers three or four times a weel, juints the foet of the birids with his soIution (which was sold as a traile seeret to the prosent owner for 240 ) onre-
fully pares the nails and beals, and fully paree the nalis and beakf and half as muell geain. It is only during holf no mumelh again. It is onily during the denjerace cervegile with the anciont you realise her frewitalent are its prsyou romione to jevemeltity.
"Wot hillione" epe met mumerous, but the fov onter apengelition the trale malte - phe ohen ports athout midnight with youls meparde of torriers, and effop the Aep elve coldom reiura to skife repecila to fariors anal thoir foelh to the freegees ot "semith houses, is ste" is ens vorite dich. Soes for stewed rabiblt ome likee to be satlicted that a bunay has bepn saeriliced, so the workmen whe delight in this dainty require to seeps. rabliti's hoed as a proof of the boma lad.
es of the dich. This would puasle men ordimary individual, but the "eat hiller is a gemius and a Fronchmank, and is not co casily alepretite
He aleo deels is mablit alkies, and has an arrangement fith the coots in the neighborhood to the same time thesking of the rabsbite for his panany or two. By this in. genious meethod the is onabled to send out to hie eustomaers two or three caty bodies minus the tails, with eaeh rahbit's head, and one more dainty dish is cddert to the Parioian menu and eight or tea shillings to the well fllled purse of the extermainator of the foline raee. The Fromeh eapital harhors the largeot number of eate of any eity in the world in proportion to ito sise. Whole colovinimity of the markets, where they feed on broken vietuals and make in. emanat warozen the rata.
At the Halles Centrales their numbiers have ineromed so rapidily of late that a portion of them had to he dontroged, at they roamed alvout in hasis like wild beeth, and were beglanise to ho daaainger, has oarnel the sitsie of Le pere dee eloate, for he daily foele huadrels

