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## EVENINGS AT HOME;

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## THE JUVENILE BUDGET.

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CONSISTING OE:
A. VARIETX OF MISCELLANEOUS PIECES,

## EOR

THE INSTRUCTION AND AMUSEMBNT OF:
YOUNG PERSONS.
Y.OL.. I.

SECOND EDITION.

LONDON:

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## Lately publifbed,

By Mrs. BARBAULD,

1. LESSONS for CHILDREN, from two to
four years of age ; four parts, price 6d. each. 3. HYMNS in Profe for Children, Is.
By. Dr. AIKIN,
2. The CALENDAR of NATURE, is:
3. ENGLAND DELINEATED ; or, a Geo* graphical Defcription of England and Wales, with Maps of all the Counties: 73. bound.

## INTRODUCTION.

$\mathrm{T}_{\mathrm{HE}}$ / manlionthoure / of / the | pleafant village of Beachgrove was inhabited by the family of Fairborne, confifting of the matter and miftrefs, and a numberous progeny of children of both fees. Of there, part were educated at home under their parents' care, and part were font out to fchool. The houfe was reldom unprovided with vifitors, the intimate friends or relations of the owners, who were entertained with cheerfulnefs and hofpitality, free from ceremony and parade. They formed, during their flay, part of the family ; and were eady to concur with Mr. and Mrs. Fair borne in any little domestic plan for vary.ng their amusements, and particularly for promoting the inftruction and entertainment of the younger part of Vol. I.
the houfehold. As fome of them were accuftomed to writing, they would frequently produce a fable, a ftory, or dialogue, adapted to the age and undertanding of the young people. It was always confidered as a high favour when they would fo employ themfelves; and after the pieces were once read over, they were carefully depofited by Mrs. Fairborne in a box, of which fhe kept the key. None of thefe were allowed to be taken out again till all the children were affembled in the holidays. It was then made one of the evening amufements of the family to rummage the budget, as their phrafe was. One of the leaft children was fent to the box, who putting in its little hand, drew out the paper that came next, and brought it anto the parlour. This was then read diftinetly by one of the older ones; and after it had undergone fufficient confideration, another little meffenger was difpatched for a frefh fupply ; and fo
on, till as much time had been fpent in this manner as the parents thought proper. Other children were admitted to thefe readings; and as the Budget of Beachgrove Hall became fomewhat celebrated in the neighbourhood, its proprietors were at length urged to lay it open to the public. They were induced to comply; and have prefented its contents in the promifcuous order in which they came to hand, which they think will prove more agreeable than a methodical arrangement. Thus, therefore, without further preface, begins the

## FIRST EVENING。

ON THE OAK.
á dialogue.
Tiutor-George-Harry.
Tut. Come, my boys, let us fit down awhile under yon fhady tree. I don't
$\mathrm{B}_{2}$
know
know how your young legs feel, but mine are almoft tired.

Geo. I am not tired, but I am very hot.

Har. And I am hot, and very dry too.

Tut. When you have cooled yourfelf you may drink out of that clear brook. In the mean time we will read a little out of a book I have in my pocket.
[They go and Sit down at the foot of the tree.
Har. What an amazing large tree! How wide its branches fpread! Pray what tree is it ?

Geo. I can tell you that. It is an Oak. Don't you fee the acorns?

Tut. Yes, it is an Oak-the nobleft tree this country produces:-not only grand and beautiful to the fight, but of the greateft importance from its ufes.

Har. I thould like to know fomething about it.

Tut. Very well ; then inftead of reading, we will fit and talk about Oaks. George, you knew the Oak by its acorns -fhould you have known it if there had been none?

Geo. I don't know-I believe not.
Tut. Obferve, then, in the firf place, that its bark is very rugged. Then fee in what manner it grows. Its great arms run out almof horizontally from its trunk, giving the whole tree a fort of round form, and making it fpread far on every fide. Its branches are alfo fubject to be crooked, or kneed. By there marks you might guefs at an Oak even in winter, when quite bare of leaves. But its leaves afford a furer mark of diftinction, fince they differ a good deal from thofe of other trees; being neither whole and even at the edges, not yet cut like the teeth of a faw, but rather deeply fcolloped; and formed into feveral rounded divifions.

Their colour is a fine deep green. Then the fruit-
-Har. Fruit!
Tut. Yes-all kinds of plants have what may properly be called fruit, though we are apt to give that name only to fuch as are food for man. The fruit of a plant is the feed, with what contains it. This, in the Oak, is called an acorn, which is a kind of nut, partly enclofed in a cup.

Geo. Acorn-cups are very pretty things. I have made boats of them, and fet them a fwimming in a bafon.

Tut. And if you were no bigger than a fairy you might ufe them for drinking cups, as thore imaginary little beings are faid to do.

> Pearly drops of dew we drink in acorn-cups fill'd to the brink.

Ilar. Are acorns good to eat?
Geo. No, that they are not. I have ried, and did not like them at all.

Tut. In the early ages of man, before he cultivated the earth, but lived upon fuck wild products as nature afforded, we are told that acorns made a confiderable part of his food; and at this day I believe they are eaten in forme countries. But this is in warmer climates, where they probably become fweeter and better-flavoured than with us. The chief use we make of them is to feed hogs. In thole parts of England where Oak woods are common, great herds of fine are kept, which are driven into the woods in autumn, when the acorns fall, and provide for themfelves plentifully for two or three months. This, however, is a foal part of the praife of the Oak. You will be furprifed when I tell you, that to this tree our country owes its chief glory and fecurity.

Hat. Aye, how can that be?
Tut. I don't know whether in your reading you have ever met with the flory, that Athens, a famous city in

Greece, confulting the oracle how it might beft defend itfelf againft its enemies, was advifed to truft to wooden walls.

Har. Wooden walls !-that's oddI Should think ftone walls better, for wooden ones might be fet on fire.

Tut. True; but the meaning was, that as Athens was a place of great trade, and its people were 1 killed in maritime affairs, they ought to truft to their fhips. Well, this is the cafe with Great Britain. As it is an inand, it has no need of walls and fortifications while it por feffes fhips to keep all enemies at a diftance. Now, we have the greateft and fineft navy in the world, by which we both defend ourfelves, and attack other nations when they infult us; and this is all built of Oak.

Geo. Would no other wood do to build fhips?

Tut. None nearly fo well, efpecially for men of war; for it is the ftouteft and ftiongeft wood we have ; and there-
fore beft fitted, both to keep found under water, and to bear the blows and fhocks of the waves, and the terrible ftrokes of cannon balls. It is a peculiar excellence for this laft purpofe, that Oak is not fo liable to fplinter or Chiver as other woods, fo that a ball can pafs through it without making a large hole. Did you never hear the old fong,
Heart of Oak are our fhips, hearts of Oak are our men, \&c. ?
Geo. No.
Tut. It was made at a time when England was more fuccefsful in war than had ever before been known, and our fuccefs was properly attributed chiefly to our fleet, the great fupport of which is the Britifh Oak ; fo I hope you will henceforth look upon Oaks with due refpect.

Har. Yes-it fhall always be my favourite tree.

Tut. Had not Pope reafon, when he faid, in his Windjor Foref,

Let India boalt her plants, nor envy we The weeping amber, or the balmy tree, While by our Oaks the precious loads are borne, And realms commanded which thofe trees adorn?

Thefe lines refer to its ufe as well for merchant fhips as for men of war; and in fact all our fhips are built either of native or foreign Oak.

Geo. Are the mafts of fhips made of Oak?

Tut. No-it would be too heavy. Befides, it would not be eafy to find trunks of Oak long and ftraight enough for that purpofe. They are made of various kinds of fir or pine, which grow very tall and taper.

Geo. Is Oak wood ufed for any thing befides fhip-building?

Tut. O yes!-It is one of the principal woods of the carpenter, being employed wherever great ftrength and durability are required. It is ufed for door and window frames, and the beams that are laid in walls to ftrengthen them.

Floors and ftaircafes are fometimes made with it ; and in old houfes in the country, which were built when Oak was more plentiful than at prefent, almoft all the timber about them is Oak. It is alfo occafionally ufed for furniture, as tables, chairs, drawers, and bedfteads; though mahogany has now much taken its place for the better fort of goods, and the lighter and. fofter woods for the cheaper: for the hardnefs of Oak renders it difficult and expenfive to work. It is ftill, however, the chief material ufed in mill-work, in bridge and waterworks, for waggon and cart bodies, for large caiks and tubs, and for the laft piece of furniture a man has occafion for. What is that, do you think, George ?

Geo. I don't know. Har. A coffin.
Tut. So it is.
Har. But why fhould that be made of fuch itrong wood?

Tut. There can be no other reafon, than that weak attachment we are apt to have for our bodies when we have done with them, which has made men in various countries defirous of keeping them as long as poffible from decay. But I have not yet done with the ufes of the Oak. Were either of you ever in a tanner's yard ?

Geo. We often go by one at the end of the town; but we durft not go in for fear of the great dog.

Tut. But he is always chained in the day-time.

Har. Yes-but he barks fo loud, and looks fo fierce, that we were afraid he would break his chain.

Tut. I doubt you are a couple of cowards. However, I fuppofe you came near enough to obferve great ftacks of bark in the yard.

Geo. O yes-there are feveral.
Tut. Thofe are Oak bark, and it is ufed in tanning the hides.

Hor. What does it do to them ?
Fut. I'll tell you. Every part of the Oak abounds in a quality called aftringency, or a binding power. The effect of this is to make more clofe and compact, or to fhrivel up, all foft things, and thereby make them firmer and leis liable to decay. The hide, then, when taken from the animal, after being fteeped in lime and water to get off the hair and greafe, is put to foak in a liquor made by boiling Oak bark in water. This liquor is ftrongly aftringent, and by ftiffening the foot hide, turns it into what we call leather. Other things are alfo tanned for the purpofe of ereferving them, as filhing nets, and boatfails. This ufe of the bark of the Oak makes it a very valuable commodity; and you may fee people in the woods carefully ftripping the Oaks when cut down, and piling up the bark in heaps.

Geo. I have feer fuch heaps of bark, but I thought they were only to burn.

Tut. No, - they are much too valuable for that. Well, but I have another ufe of the Oak to mention, and that is in dying.

Hat. Dying! I wonder what colour it can dye?

Tut. Oak faw-duft is a principal ingredient in dying fuftians. By various mixtures and managements it is made to give them all the different hades of drab and brown. Then, all the parts of the Oak, like all other aftringent vegetables, produce a dark blue or black by the addition of any preparation of iron. The bark is fometimes ufed in this way for dying black. And did you ever fee what boys call an Oakapple?

Geo. Yes-I have gathered them myself.

Tut. Do you know what they are?

Geo. I thought they were the fruit of the Oak.

Tut. No-I have told you that the acorns are the fruit. Thefe are excrefcences formed by an infect.

Geo. An infect-how can they make fuch a thing ?

Tut. It is a fort of fly, that has a power of piercing the outer fkin of the Oak boughs, under which it lays its eggs. The part then fwells into a kind of ball, and the young infects, when hatched, eat their way out. Well; this ball or apple is a pretty ftrong aftringent, and is fometimes ured in dying black.- But in the warm countries, there is a fpecies of Oak which bears round excrefcences of the fame kind, called galls, which become hard, and are the ftrongeft aftringents known. They are the principal ingredients in the black dyes, and common ink is made with them, together with a fub-
ftance called green vitriol or copperas, which contains iron.

I have now told you the chief ufes that I can recollect of the Oak; and thefe are fo important, that whoever drops an acorn into the ground, and takes proper care of it when it comes up, may be faid to be a benefactor to his country. Befides, no fight can be more beautiful and majeftic than a fine Oak wood. It is an ornament fit for the habitation of the firft nobleman in the land.

Har. I wonder, then, that all rich gentlemen who have ground enough, do not cover it with Oaks.

Tut. Many of them, efpecially of late years, have made great plantations of thefe trees. But all foils do not fuit them; and then there is another circumftance which prevents many from being at this trouble and expence, which is, the long time an Oak takes in growing, fo that no perfon can reafonably
expect to profit by thofe of his own planting. An Oak of fifty years is greatly fhort of its full growth, and they are fearcely arrived at perfection under a century. However, it is our duty to think of pofterity as well as ourfelves; and they who receive Oaks from their anceftors, ought certainly to furnifh others to their fucceffors.

Hor. Then I think that every one who cuts down an Oak fhould be obliged to plant another.

Tut. Very right-but he fhould plant two or three for one, for fear of accidents in their growing.

I will now repeat to you fome verfes defcribing the Oak in its ftate of full growth, or rather of beginning decay, with the various animals living upon it -and then we will walk.

See where yon Oak its awful fructure rears, The mafly growth of twice a hundred years ; Survey his rugged trunk with mofs o'ergrown, His lufty arms in rude diiorder thrown,

His forking branches wide at diftance fpread, And dark'ning half the $\mathbb{R k y}$, his lofty head; A mighty cafle, built by nature's hands, Peopled by various living tribes, he flands. His airy top the clamorous rooks inveft, And crowd the waving boughs with many a neft. Midway the nimble fquirrel builds his bow'r; And tharp-bill'd pies the infert tribes devour; That gnaw bemeath the bark their fecretways, While unperceiv'd the ftately pile decays.

## THE YOUNG MOUSE.

> A FABLE.

A young Moufe lived in a cupboard where fiweemeats were kept: fhe dined every day upon bifcuit, marmalade, or fine fugar. Never any little Moure had lived fo well. She had offen vertured to peep at the family while they fat at fupper; nay, fhe had fometimes fole down on the carpet, and picked up the crumbs, and nobody had ever hurt her. She would have been quite happy, but that the was fometimes fright-
ened by the cat, and then foe ran tretbling to her hole behind the wainfoot. One day fie came running to her mothe in great joy; Mother! fail the, the good people of this family have built me a house to live in; it is in the cupboard: I am fure it is for me, for it is jut big enough : the bottom is of wood, and it is covered all over with wires; and I dare fay they have made it on purpose to fcreen me from that terrible cat, which ran after me fo often: there is an entrance jut big enough for me, but puls cannot follow; and they have been fo good as to put in forme toafted cheefe, which fuels fo deliciously, that I fhould have run in directly and taken poffeffion of my new houfe, but I thought I would tell you firft, that we might go in together, and both lodge there tonight, for it will hold us both.

My dear child, faid the old Mouse, it is molt happy that you did not go in,
for this houfe is called a trap, and you would never have come out again, except to have been devoured, or put to death in fome way or other. Though man has not fo fierce a look as a cat, he is as much our enemy, and has ftill more cunning.

## THE WASP AND BEE.

A FABLE.

A Wasp met a Bee, and faid to him, Pray, can you tell me what is the reafon that men are fo illnatured to me, while they are fo fond of you? We are both very much alike, only that the broad golden rings about my body make me much handfomer than you are: we are both winged infects, we both love honey, and we both fting people when we are angry; yet men always hate me, and
and try to kill me, though I am much more familiar with them than you are, and pay them vifits in their houfes, and at their tea-table, and at all their meals: while you are very fhy, and hardly ever come near them: yet they build you curious houfes, thatched with ftraw, and take care of, and feed you, in the winter very often :-I wonder what is the reafon.

The Bee faid, Becaufe you never do them any good, but, on the contrary, are very troublefome and mifchievous; therefore they do not like to fee you; but they know that I am bufy all day long in making them honey. You had better pay them fewer vifits, and try to be ufeful.

## TRAVELLERS' WONDERS.

One winter's evening, as Captain Compafs was fitting by the fire-fide with his children all round him, little Jack faid to him, Papa, pray tell us fome fories about what you have feen in your voyages. I have been vaftly entertained whillt you were abroad, with Gulliver's Travels, and the adventures of Sinbad the Sailor; and I think, as you have gone round and round the world, you muft have met with things as wonderful as they did. - No, my dear, faid the Captain, I never met with Lilliputians or Brobelingnagians, I affure you, nor ever faw the black loadftone mountain, or the valley of diamonds; but, to be fure, I have feen a great variety of people, and their different manners and ways of living; and if it will be any entertainment to you, I will tell you
fome
fome curious particulars of what I ob-ferved.-Pray do, Papa, cried Jack and all his brothers and fifters; fo they drew clofe round him, and he began as follows.

Well then-I was once, about this time of the year, in a country where it was very cold, and the poor inhabitants had much ado to keep themfelves from ftarving. They were clad partly in the fkins of beafts made foft and fmooth by a particular art, but chiefly in garments made from the outer covering of a middle-fized quadruped, which they were fo cruel as to ftrip off his back while he was alive. They dwelt in habitations, part of which was funk under ground. The materials were either ftones, or earth hardened by fire; and fo violent in that country were the ftorms of wind and rain, that many of them covered their roofs all over with ftones. The walls of their houfes had holes to let in the light ; but to prevent
the cold air and wet from coming in, they were covered with a fort of tranfparent ftone, made artificially of melted fand or flints. As wood was rather fcarce, I know not what they would have done for firing, had they not difcovered in the bowels of the earth a very extraordinary kind of ftone, which when put among burning wood, caught fire and flamed like a torch.

Dear me, faid Jack, what a wonderful ftone! I fuppofe it was fomewhat like what we call fire-ftones, that fhine fo when we rub them together. - I don't think they would burn, replied the Captain; befides, thefe are of a darker colour.

Well-but their diet too was remarkable. Some of them eat fifh that had been hung up in the fmoke till they were quite dry and hard; and along with it they eat either the roots of plants, or a fort of coarfe black cake made of powdered feeds. Thefe were the poorer clafs:
class: the richer had a whiter kind of cake, which they were fond of daubing over with a greafy matter that was the product of a large animal among them. This greafe they unfed, too, in almoft all their difhes, and when frefh, it really was not unpalatable. They likewife devoured the flefh of many birds and beats when they could get it; and eat the leaves and other parts of a variety of vegetables growing in the country, forme absolutely jaw, others varioully prepared by the aid of fire. Another great article of food was the curd of milk, preffed into a hard mats and fated. This had fo rank a fuel, that perfons of weak fomachs often could not bear to come near it. For drink, they made great ufe of the water in which certain dry leaves had been feeeped. There leaves, I. was told, came from a great diftance. They had likewife a method of preparing a liquor of the feeds of a grafs-like plant fteeped in Vol. I.
water, with the addition of a bitter herb, and then fet to work or ferment. I was prevailed upon to tafte it, and thought it at firft naufeous enough, but in time I liked it pretty well. When a large quantity of the ingredients is ufed, it becomes perfectly intoxicating. But what aftonifhed me moft, was their ufe of a liquor fo exceffively hot and pungent, that it feems like liquid fire. I once got a mouthful of it by miftake, taking it for water, which it refembles in appearance; but I thought it would inftantly have taken away my breath. Indeed, people are not unfrequently killed by it; and yet many of them will fwallow it greedily whenever they can get it. This, too, is faid to be prepared from the feeds above mentioned, which are innocent and even falutary in their natural ftate, though made to yield fuch a pernicious juice. The ftrangeft cuftom that I believe prevails in any nation I found here, which was, that fome
take a mighty pleafure in filling their mouths full of ftinking fmoke; and others, in thrufting a nafty powder up their noftrils.

I fhould think it would choke them, faid Jack. It almoft did me, anfwered his father, only to ftand by while they did it-but ufe, it is truly faid, is fecond nature.

I was glad enough to leave this cold climate ; and about half a year after, I fell in with a people enjoying a delicious temperature of air, and a country full of beauty and verdure. The trees and Shrubs were furnifhed with a great variety of fruits, which, with other vegetable products, conftituted a large part of the food of the inhabitants. I particularly relifhed certain berries growing in bunches, fome white and fome red, of a very pleafant fourifh tafte, and fo tranfparent, that one might fee the feeds at their very centre. Here were whole fields full of extremely odorifer-
ous flowers, which they told me were fucceeded by pods bearing feeds, that afforded good nourifhment to man and beaft. A great variety of birds enlivened the groves and woods; among which I was entertained with one, that without any teaching fpoke almoft as articulately as a parrot, though indeed it was all the repetition of a fingle word. The people were tolerably gentle and civilized, and poffeffed many of the arts of life. Their drefs was very various. Many were clad only in a thin cloth made of the long fibres of the ftalk of a plant cultivated for the purpofe, which they prepared by foaking in water, and then beating with large mallets. Others wore cloth wove from a fort of vegetable wool, growing in pods upon bufhes. But the moft fingular material was a fine glofly fuff, ufed chiefly by the richer claffes, which, as I was credibly informed, is manufactured out of the webs of caterpillars-a moft wonderful cir-
cumftance, if we confider the immenfe number of caterpillars neceffary to the production of fo large a quantity of the ftuff as I faw ufed. This people are very fantaftic in their drefs, efpecially the women, whofe apparel confifts of a great number of articles impofible to be defcribed, and ftrangely difguifing the natural form of the body. In fome inftances they feem very cleanly; but in others, the Hottentots can fcarce go beyond them; particularly in the management of their hair, which is all matted and ftiffened with the fat of fwine and other animals, mixed up with powders of various colours and ingredients. Like moft Indian nations, they ufe feathers in the head-drefs. One thing furprifed me much, which was, that they bring up in their houfes an animal of the tyger kind, with formidable teeth and claws, which, notwithftanding its natural ferocity, is played
with and carefled by the moft timid and delicate of their women.

I am fure I would not play with it, faid Jack. Why you might chance to get an ugly fcratch if you did, faid the Caprain.

The language of this nation feems very harih and unintelligible to a foreigner, yet they converfe among one another with great eafe and quicknefs. One of the oddeft cuftoms is that which men ule on falutig each other. Let the weather be what it will, they uncover their heads, and remain uncovered for fome time, if they mean to be extraordinarily refpectful.

Why that's like pulling off our hats, faid Jack. Ah, ha! Papa, cried Betfey, I have found you out. You have been telling us of our own country and what is done at home all this while. But, faid Jack, we don't burn ftones, nor eat greafe and powdered feeds, nor
wear fkins and caterpillars' webs, nor play with tygers. No? faid the Cap-tain-pray what are coals but fones; and is not butter, greafe; and corn, feeds; and leather, fkins; and nlk the web of a kind of caterpillar; and may we not as well call a cat an animal of the tyger-kind, as a tyger an animal of the cat-kind? So, if you recollect what I have been defcribing, you will find, with Betfey's help, that all the other wonderful things I have told you of are matters familiar among ourfelves. But I meant to fhow you, that a foreigner might eafily reprefent every thing as equally ftrange and wonderful among us, as we could do with refpect to his country; and alfo to make you fenfible that we daily call a great many things by their names, without ever enquiring into their nature and properties; fo that, in reality, it is only the names, and not the things themfelves, with which we are acquainted.

## ( 32 )

## SECOND EVENING.

## A LFRED.

A DRAMA.
PERSONS OF THE DRAMA.

Ayfred, King of England.
GubBA, a Farmer.
Gandelin, his Wife.
EliA, an Officer of Alfred.
Scene-Tbe Ifle of Atbelney.
Alfred. How retired and quiet is every thing in this little fpot! The river winds its filent waters round this retreat; and the tangled bufhes of the thicket fence it in from the attack of an enemy. The bloody Danes have not yet pierced into this wild folitude. I believe I am fafe from their purfuit. But I hope I fhall find fome inhabitants here, otherwife I fhall die of hunger.Ha! here is a narrow path through the wood; and I think I fee the fmoke of a cottage rifing between the trees. I will bend my feps thither.

Scene -Before the cottage.
Gubba coming forward. Gandelin within.

Alfred. Good even to you, good man. Are you difpofed to thew horpitality to a poor traveller ?

Gubba. Why truly there are fo many poor travellers now a days, that if we entertain them all, we fall have nothing left for ourfelves. However, come along to my wife, and we will fee what can be done for you.

Wife, I am very weary; I have been chopping wood all day.

Gandelin. You are always ready for your fupper, but it is not ready for you, I affure you: the cakes will take an hour to bake, and the fun is yet high; it has not yet dipped behind the old barn. But who have you with you, I trow?

Alfred. Good mother, I am a franger; and entreat you to afford me food and fretter.

Gendelin. Good mother, quotha! Good wife, if you please, and welcome. But I do not love ftrangers ; and the land has no reafon to love them. It has never been a merry day for Old England fence ftrangers came into it. Alfred. I am not a ftranger in England, though I am a ftranger here. I am a true born Englifhman.

Gubba. And do you hate thole wicked Danes, that eat us up, and burn our houses, and drive away our cattle?

Alfred. I do hate them.
Gandelin. Heartily! He does not speak heartily, hufband.

Alfred. Heartily I hate them; mont heartily.

Gubba. Give me thy hand then; thou art an honeft fellow.

Alfred. I was with King Alfred in the lat battle he fought.

Gandelin. With King Alfred? heaven blefs him!

Gubba. What is become of our good King ? Alfred.

Alfred. Did you love him, then?
Gubba. Yes, as much as a poor man may love a king; and kneeled down and prayed for him every night, that he might conquer thole Danish wolves; but it was not to be fo.

Alfred. You could not love Alfred better than I did.

Gubba. But what is become of him?
Alfred. He is thought to be dead.
Gubba. Well, the le are fad times; heaven. help us! Come, you hall be welcome to Share the brown loaf with us; I fuppofe you are too harp feet to be nice.

Gandelin. Ay, come with us; you Shall be as welcome as a prince! But hark ye, husband; though I am very willing to be charitable to this ftranger (it would be a fin to be otherwife), yet there is no reafon he fhould not do fomething to maintain himfelf: he looks ftrong and capable.

Gubba. Why, that's true. What can you do, friend ?

Alfred. I am very willing to help you in any thing you choofe to fet me about. It will pleafe me beft to earn my bread before $I$ eat is.

Gubba. Let me fee. Can you tie up faggots neatly ?

Alfred. I have not been ufed to it. I am afraid I fhould be awkward.

Gubba. Can you thatch? There is a piece blown off the cow-houfe.

Alfred. Alas, I cannot thatch.
Gandelin. Afk him if he can weave rufhes: we want fome new bafkets.

Alfred. I have never learned.
Gubba. Can you ftack hay?
Alfred. No.
Gubba. Why, here's a fellow! and yet he hath as many pair of hands as his neighbours. Dame, can you employ him in the houfe? He might lay wood on the fire, and rub the tables.

Gondelin. Let him watch thefe cakes, then: I muft go and milk the kine.

Gubba. And I'll go and ftack the wood, fince fupper is not ready.

Gandelin. But pray obferve, friend! do not let the cakes burn; turn them often on the hearth.

Alfred. I fhall obferve your directions.

## Alfred alone.

Alfred. For myfelf, I could bear it; but England, my bleeding country, for thee my heart is wrung with bitter anguifh !-From the Humber to the Thames the rivers are ftained with blood!——My brave foldiers cut to peices!-My poor people-fome maffacred, others driven from their warm homes, ftripped, abufed, infulted :-and I, whom heaven appointed their fhepherd, unable to refcue my defencelefs Slock from the ravenous jaws of thefe devourers!-Gracious heaven! if I am
not worthy to fave this land from the Danifh ford, raife up forme other hero to fight with more fuccefs than I have done, and let me fend my life in this obscure cottage, in there fervile offices: I fall be content, if England is happy.

O ! here comes my blunt hort and hoftefs.

Enter Gubea and Gandelin.
Gandelin. Help me down with the pail, hufband. This new milk, with the cakes, will make an excellent fupper: but, mercy on us, how they are burnt! black as my hoe; they have not once been turned: you oaf, you lubber, you lazy loon-

Alfred. Indeed, dame, I am forty for it; but my mind was full of fad thoughts.

Gubba. Come, wife, you muff forgive him; perhaps he is in love. I remembet when I was in love with theeGandelin. You remember!
Gubba. Yes, dame, I do remem-
ber it, though it is many a long year fince; my mother was making a kettle of furmety

Gandelin. Pr'ythee, hold thy tongue, and let us eat our fuppers.

Alfred. How refrefhing is this fweet new milk, and this wholefome bread!

Gubba. Eat heartily, friend. Where fhall we lodge him, Gandelin!

Gandelin. We have but one bed, you know; but there is frefh ftraw in the barn.

Alfred (afide). If I fhall not lodge like a king, at leaft I Thall lodge like a foldier. Alas! how many of my poor foldiers are flretched on the bare ground!

Gandelin. What noife do I hear? It is the trampling of horfes. Good hufband, go and fee what is the matter.

Alfred. Heaven forbid my misfortunes fhould bring deftruction on this fimple family! I had rather have perifhed in the wood.

Gubba returns, followed by Ella with bis fword drawn.
Gandelin. Mercy defend us, a fword! Gubba. The Danes! the Danes! O do not kill us !

Ella (kneeling). My Liege, my Lord, my Sovereign; have I found you!

Alfred (embracing bim). My brave Ella!
Ella. I bring you good news, my Sovereign! Your troops that were fhut up in Kinwith Caftle made a defperate fally - the Danes were flaughtered. The fierce IIubba lies gafping on the plain.

Alfred. Is it poffible! Am I yet a king?
Ella. Their famous flandard, the Danifh raven, is taken; their troops are panic fruck; the Englifh foldiers call aloud for Alfred. Here is a letter which will inform you of more particulars. (Gives a litter.)

Gubba (a/ide). What will become of us! Ah, dame, that tongue of thine has undone us!

Gandelin. O , my poor dear hufband !
we fall all be hanged, that's certain. But who could have thought it was the King ?

Gubba. Why, Gandelin, do you fee, we might have gueffed he was born to be a King, or forme fuch great man, becaufe, you know, he was fit for nothing elfe.

Alfred (coming forward). God be praifed for there tidings! Hope is fprung up out of the depths of defpair. O, my friend! Shall I again fine in arms, -again fight at the head of my brave Englifhmen, -lead them on to victory! Our friends Shall now lift their heads again.

Ella. Yes, you have many friends, who have long been obliged, like their matter, to fkulk in defers and caves, and wander from cottage to cottage. When they hear you are alive, and in arms again, they will leave their fatneffes, and flock to your ftandard.

Alfred. I am impatient to meet them: my people foal be revenged.

Gubba and Gandelin (throwing themSelves at the feet of Alfred). O, my: lord-

Gandelin. We hope your majefty will put us to a merciful death. Indeed, we did not know your majefty's grace.

Gubba. If your majefty could but: pardon my wife's tongue: the means no harm, poor woman!

Alfred. Pardon you, good people! I not only pardon you, but thank you. You have afforded me protection in my diftrefs; and if ever I am feated again on the throne of England, my firft care fall be to reward your hofpitality. I am now going to protect you. Come, my faithful Ella, to arms ! to arms! My bofom burns to face once more the haughty Dane; and here I vow to heaven, that I will never Sheath the ford againft thee robbers, till iithen I lope my life in this jut cafe, or Till dovelike Peace return to England's fore, And war and laughter vex the land no more.

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THE

## DISCONTENTED SQUIRREL.

In a pleafant wood, on the weftern fide of a ridge of mountains, there lived a Squirrel, who had paffed two or three years of his life very happily. At length he began to grow difcontented, and one day fell into the following foliloquy.

What, mult I fpend all my time in this fpot, running up and down the fame trees, gathering nuts and acorns, and dozing away months together in a hole! I fee a great many of the birds who in habit this wood ramble about to a diftance wherever their fancy leads them, and at the approach of winter, fet out for fome remote country, where they enjoy fummer weather all the year round. My neighbour Cuckow tells me he is juft going; and even little Nightingale will foon follow. To be fure, I have
not wings like them, but I have legs nimble enough ; and if one does not ufe them, one might as well be a mole or a dormoufe. I dare fay I could eafily reach to that blue ridge which I fee from the tops of the trees; which no doubt muft be a fine place, for the fun comes directly from it every morning, and it often appears all covered with red and yellow, and the fineft colours imaginable. There can be no harm, at leaft, in trying, for I can foon get back again if I don't like it. I am refolved to go, and I will fet out to-morrow morning.

When Squirrel had taken this refolution, he could not fleep all night for thinking of it; and at peep of day, prudently taking with him as much provifion as he could conveniently carry, he began his journey in high fpirits. He prefently got to the outfide of the wood, and entered upon the open moors that reached to the foot of the hills. Thefe he

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\begin{aligned}
& \text { discontented squirrel. } 45 \\
& \text { croffed before the fun was gotten high; }
\end{aligned}
$$ and then, having eaten his breakfaft with an excellent appetite, he began to afcend. It was heavy, toilfome work fcrambling up the fteep fides of the mountains; but Squirrel was ufed to climbing; fo for a while he proceeded expeditioufly. Often, however, was he obliged to ftop and take breath; fo that it was a good deal paft noon before he had arrived at the fummit of the firft cliff. Here he fat down to eat his dinner; and looking back, was wonderfully pleafed with the fine profpect. The wood in which he lived lay far beneath his feet; and he viewed with foorn the humble habitation in which he had been born and bred.

When he looked forwards, however, he was fomewhat difcouraged to obferve that another eminence rofe above him, full as diftant as that to which he had already reached; and he now began to feel ftiff and fatigued. However, after a little
a. Litie reft, he fet out again, though bat fo briflly as before. The ground was rugged, brown, and bare; and to his great fuppife, inftead of finding it warmer as he got nearer the fun, he felt it grow colder and colder. He had not travelled two hours before his ftrength and fpirits were almoft fpent; and he ferioully thought of giving up the point, and returning before night fhould come on. While he was thus deliberating with himfelf, clouds began to gather round the mountain, and to take away all view of diftant objects. Prefently a ftorm of mingled fnow and hail came down, driven by a violent wind, which pelted poor Squirrel moft pityfully, and made him quite unable to move forwards or backwards. Befides, he had completely loit his road, and did not know which way to turn towards that defpifed home, which it was now his only defire again to reach. The Itorm lafted till the approach of night :
and it was as much as he could do, benumbed and weary as he was, to crawl to the hollow of a rock at forme diftance, which was the beft lodging he could find for the night. His provifrons were fpent; fo that, hungry and Shivering, he crept into the furthefi cornee of the cavern, and rolling himself up, with his buffy tail over his back, he got a little neep, though difturbed by the cold, and the frill whittling of the wind among the ftones.

The morning broke over the diftant tops of the mountains, when Squirrel, "half frozen and famifhed, came out of his lodging, and advanced, as well as he could, towards the brow of the hill, that he might difcover which way to take. As he was nowly creeping along, a hungry kite, foaring in the air above, defcried him, and making a flop, carried him off in her talons. Poor Squirrel, lofing his fenfes with the fright, was borne away with vat ra-
pidity, and feemed inevitably doomed to become food for the kite's young ones: when an eagle, who had feen the kite feize her prey, purfued her in order to take it from her ; and overtaking her, gave her fuch a buffet, as caufed her to drop the Squirrel in order to defend herfelf. The poor animal kept falling through the air a long time, till at laft he alighted in the midft of a thick tree, the leaves and tender boughs of which fo broke his fall, that, though ftunned and breathlefs, he efcaped without material injury, and after lying awhile, came to himfelf again. But what was his pleafure and furprife, to find himfelf in the very tree which contained his neft. Ah! faid he, my dear native place and peacefur home! if ever I am again tempted to leave you, may I undergo a fecond time all the miferies and dangers from which 10 am now fo wonderfully efcaped.

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## A DIALOGUE

$x$ON DIFFERENT STATIONS IN LIFE.

Little Sally Meanwell hád one day been to pay an afternoon's vific to Mifs Harriet, the daughter of Sir Thomas Pemberton. The evening proving rainy, the was fent home in Sir Thomas's coach; and on her return, the following coniverfation paffed between her and her mother.

Mrs. Meanzell. Well, my dear, I hope you have had a preafant vifit.

Sally. O yes, mamma, very pleafant; you cannot think what a great many fine things I have feen. And then it is fo charming to ride in a coach !
Mrs. M. I fuppofe Mifs Harriet fhewed you all her playthings.

Sally. O yes, fuch fine large dolls, fo fmartly dreffed, as I never faw in my life before. Then the has a baby-boule Vol. I. D

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and all forts of furniture in it ; and a grotto all made of fhells, and fhining fones. And then fhe fhewed me all her fine clothes for the next ball; there's a white flip all full of fpangles, and pink ribbons; you can't think how beautiful it looks.

Mrs. M. And what did you admire moft of all thefe fine things?

Sally. I don't know-I admired them all; and I think I liked riding in the coach better than all the reft. Why don't we keep a coach, mamma? and why have not I fuch fine clothes and playchings as Mifs Harriet ?
Mrs. M. Becaufe we cannot afford it, my dear. Your papa is not fo rich, by a great deal, as Sir Thomas; and if we were to lay out our money upon fuch things, we fhould not be able to procure food and raiment and other neceffaries for you all.

Sally. But why is not papa as rich as Sir Thomas?

Mrs. M. Sir Thomas had a large eftaté left him by his father; but your papa has little but what he gains by his own induftry.
Sally. But why fhould not papa be as rich as any body elf? I am fare he deferves it as well.

Mrs. M. Do you not think that there are a great many people poorer than he, that are alfo very deferving?

Sally. Are there?
Mrs. M. Yes, to be fire. Don't you know what a number of poor people there are all around us, who have very few of the comforts we enjoy? What do you think of Plowman the labourer? I believe you never daw him idle in your life.

Sally. No; he is gone to work long before I am up, and he does not return till almoft bed-time, unless it be for his dinner.

Mrs. M. Well; how do you think his wife and children live? Should you
like that we fhould change places with them?

Sally. O no! they are fo dirty and ragged.

Mrs. M. They are indeed, poor creatures! but I am afraid they fuffer wore evils than that.

Sally. What, mamma?
Mrs. M. Why I am afraid they often do not get as much victuals as they could eat. And then in winter they mut be half ftarved for want of, fire and warm clothing. How do you think you could bear all this?
Sally. I need I don't know. But I have feen Plowman's wife carry great brown loaves into the houfe; and I remember once eating fome brown bread and milk, and I thought it very good. Mrs. M. I believe you would not much like it confantly: befides, they can hardly get enough of that. But you rem to know almost as little of the poor as the young French princess did.

Sally. What was that, mamma?
Mrs. M. Why there had been one year fo bad a harveft in France, that numbers of the poor were famifhed to death. This calamity was fo much talked of, that it reached the court, and was mentioned before the young princeffes. Dear me! faid one of them, how filly that was! Why, rather than be famifhed, I would eat bread and cheefe. Her governefs was then obliged to acquaint her, that the greateft part of her father's fubjects fcarcely ever eat any thing better than black bread all their lives; and that vaft numbers would now think themfelves very happy to get only half their ufual pittance of that. Such wretchednefs as this was what the princefs had not the leaft idea of; and the account fhocked her fo much, that fhe was glad to facrifice all her finery to afford fome relief to the fufferings of the poor.

Sally. But I hope there is nobody famifhed in our country.

Mrs. M. I hope not, for we have laws by which every perfon is entitled to relief from the parim, if he is unable to gain a fubfiftence; and were there no laws about it, I am fure it would be our duty to part with every fuperfluity, rather than let a fellow creature perifh for want of neceffaries.

Sally. Then do you think it was wrong for Mifs Pemberton to have all thofe fine things?

Nrs. M. No, my dear, if they are fuitable to her fortune, and do not confume the money which ought to be employed in more ufeful things for herfelf and others.

Sally. But why might not fhe be contented with fuch things as I have; and give the money that the reft coft to the poor?

Mrs. M. Becaufe fhe can afford both
to be charitable to the poor, and alfo to indulge herfelf in there pleafures. But do you recollect, that the children of Mr. White the baker, and Mr. Shape the taylor, might jut alk the fame queftions about you?

Sally. How fo?
Mrs. M. Are not you as much better dreffed, and as much more plentifull fupplied with playthings than they are, as Miss Pemberton is than y pu?

Sally. Why, I believe I may; for I remember Polly White was very glad of one of my old dolls; and Nancy Shape cried for fuck a fath as mine, but her mother would not let her have one.

Mrs. M. Then you fee, my dear, that there are many who have fewer things to be thankful for than you have; and you may alfo learn what ought to be the true meafure of the expectations of children, and the indulgences of parents.

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Sally. I don't quite underfand you, mamma.

Mrs. M. Every thing ought to be fuited to the ftation in which we live, or are likely to live, and the wants and duties of it. Your papa and I do not grudge laying out part of our money to promote the innocent pleafure of our children; but it would be very wrong in us to lay out fo much on this account as would oblige us to fpare in more neceffary articles, as in their education, and the common houfehold expences required in our way of living. Befides, it would be fo far from making you happier, that it would be doing you the greateft injury:

Sally. How could that be, mamma? Mrs. M. If you were now to be dreffed like Mifs Pemberton, don't you think you fhould be greatly mortified at being worfe dreffed when you came to be a young woman?

Sally. I believe I fhould, mamma;
for then perhaps I might go to affemblies; and to be fure I fhould like to be as fmart then as at any time.

Mrs. M. Well, but it would be fill more improper for us to drefs you then beyond our circumftances, becaufe your neceffary clothes will then coft more, you know. Then if we were now to hire a coach or chair for you to go a vifiting in, fhould you like to leave it off ever afterwards? But you have no reafon to expect that you will be able to have thofe indulgencies when you are a woman. And fo it is in every thing elfe. The more fine things, and the more gratifications you have now, the more you will require hereafter; for cuftom makes things fo familiar to us, that while we enjoy them lefs, we want them more.

Solly. How is that, mamma?
Mrs. M. Why, don't you think you have enjoyed your ride in the coach this
èvening more than Mifs Harriet would have done?

Sally. I fuppofe I have; becaufe if Mifs Harriet liked it fo well, fhe would be always riding, for I know the might have the coach whenever the pleafed.

Mrs. M. But if you were both told that you were never to ride in a coach again, which would think it the greater hardihip? You could walk, you know, as you have always done before; but fhe would rather flay at home, I believe, than expofe herfelf to the cold wind, and trudge through the wet and dirt in pattens.

Sally. I believe fo too; and now, mamma, I fee that all you have told me is very right.

Mrs. M. Well, my dear, let it dwell upon your mind, fo as to make you cheerful and contented in your ftation, which you fee is fo much happier than that of many and many other children.

## children. So now we will talk no more on this fubject.

## THE

## GOLDFINCH AND LINNET.

A gaudy Goldfnch, pert and gay, Hopping blithe from fpray to fpray,
Full of frolic, full of fpring,
With head well plum'd and burnifh'd wing,
Spied a fober Linnet hen,
Sitting all alone,
And bow'd, and chirp'd, and bow'd again ;
And with familiar tone,
He thus the dame addreft,
As to her fide he clofely pref.
"I hope, my dear, I don't intrude,
By breaking on your folitude;
But it has always been my paffion
To forward pleafant converfation;
And I fhould be a ftupid bird
To pafs the fair without a word;
I, who have been for ever noted
To be the fex's moft devoted.

Befides, a damfel unattended, Left unnoticed and unfriended, Appears (excufe me) fo forlorn, That I can fcarce fuppofe, By any the that e'er was born, 'Twould be the thing the chofe.
How happy, then, I'm now at leifure To wait upon a lady's pleafure; And all this morn have nought to do But pay my duty, love, to you.

What, filent!-Ah, thofe looks demure,
And eyes of languor, make me fure That in my random idle chatter I quite miltook the matter !
It is not fpleen or contemplation
That draws you to the cover;
But'tis fome tender affignation:
Well !-who's the favour'd lover ?
I met hard by, in quaker fuit,
A youth fedately grave and mute ; And from the maxim, like to like, Perhaps the fober outb might ftrike. Yes, yes, 'tis he, I'll lay my life, Who hepes to get you for a wife.

But come, my dear, I know you're wife, Compare and judge, and ufe your eyes.

No female yet could e'er behold The luftre of my red and gold, My ivory bill and jetty creft,
But all was done, and I was bleft.
Come, brighten up, and act with fpirit, And take the fortune that you merit."

He ceas'd-Linnetta thus replied, With cool contempt and decent pride :
"'Ti pity, Sir, a youth fo fret, In form and manners fo complete, Should do an humble maid the honour To wafte his precious time upon her. A poor forfaken the, you know,
Can do no credit to a beau;
And worfe would be the cafe, If meeting one whole faith was plighted, He thould incur the faid difgrace Of being flighted.

Now, Sir, the fober-fuited youth, Whom you were pleas'd to mention, To thole fall merits, fenfe and truth, And generous love, has rome pretenfion. And then, to give him all his due, He fings, sir, full as well as you, And fometimes can be filent too.

In fort, my tafte is fo perverfe, And fuch my wayward fate, That it would be my greateft curfe, To have a Coxcomb to my mate."

This faid, away fhe fcuds, And leaves beau Goldfunsh in the fuds.

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## THIRD EVENING

## ON THE PINE AND FIR TRIBE.

## A DIALOGUE.

Tutor-George-Harry.

Tut. Let us fit down a while on this bench, and look about us. What a charming profpect !

Hor. I admire thole pleafure grounds. What beautiful clumps of trees there are in that lawn!

Geo. But what a dark gloomy wood that is at the back of the houfe!

Tut. It is a fir-plantation; and thole trees always look difmal in the fummer, when there are fo many finer greens to compare them with. But the winter is their time for how, when other trees are tripped of their verdure.

Geo. Then they are evergreens ?
Tut. Yes; moft of the fir-tribe are evergreens; and as they are generally natives of cold mountainous countries, they contribute greatly to cheer the wintry landicape.

Geo. You were fo good, when we walked out laft, to tell us à good deal about Oaks. I thought it one of the prettieft leffons I ever heard. I fhould be very glad if you would give us fuch another about Firs.

Har. So fhould I too, I am fure.
Tut. With all my heart; and I am pleafed that you ank me. Nothing is fo great an encouragement to a tutor as to find his pupils of their own accord feeking after ufeful knowledge.

Geo. And I think it is very ufeful to know fuch things as thefe.

Tut. Certainly it is. Well thenYou may know the Pine or Fir-tribe in general at firt fight, as moft of them are of a bluifh-green colour, and all

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## ON THE PINE AND FIR. 65

have leaves confifting of a ftrong nearrow pointed blade, which gives them fomewhat of a tiff appearance. Then all of them bear a hard scaly fruit, of a longing or conical form.

Hor. Are they what we call Fir-appies?

Tut. Yes; that is one of the names boys give them.

Hor. We often pick them up under trees, and throw them at one another.

Geo. I have fometimes brought home my pocket full to burn. They make a fine clear flame.

Tut. Well-do you know where the leeds lie in them?

Geo. No -have they any?
Tut. Yes-at the bottom of every file lie two winged feeds; but when the fcales open, the feeds fall out ; fo that you can feldom find any in thole you pick up.

Hare. Are the feeds good for any thing?

Tut. There is a kind of Pine in the fouth of Europe called the Stone Pine, the kernels of which are eaten, and faid to be as fweet as an almond. And birds pick out the feeds of other forts, though they are fo well defended by the woody fcales.

Har. They muft have good ftrong bills, then.

Tut. Of this tribe of trees a variety of fecies are found in different countries, and are cultivated in this. But the only kind native here, is the Wild Pine, or Scotch Fir. Of this there are large natural forefts in the highlands of Scotland; and the principal plantations confift of it. It is a hardy fort, fit for barren and mountainous foils, but grows nowly.

Geo. Pray what are thofe very tall trees that grow in two rows before the old hall in our village?

Tut. They are the Common or Spruce Fir, a native of Norway and other northern
northern countries, and one of the loftheft of the tribe. But observe thole trees that grow fingly in the grounds oppolite to us, with wide fpread branches pointing downwards, and trailing on the ground, thence gradually lefening, till the top of the tree ends almoft in a point.

Hor. What beautiful trees!
Tut. They are the Pines called Larches, natives of the Alps and Apennines, and now frequently planted to decorate our gardens. There are not properly evergreens, as they fled their leaves in winter, but quickly recover them again. Then we have belides, the Weymouth Pine, which is the talleft species in America-the Silver Fir, fo called from the filvery hue of its foliage -the Pinafier-and a tree of ancient fame, the Cedar of Lebanon.

Geo. I fuppofe that is a very great tree.

Tut. It grows to a large fize, but
but is very Now in coming to its full growth.

Geo. Are Pines and Firs very ufeful trees?

Tut. Perhaps the moft fo of any. By much the greateft part of the wood ufed among us comes from them.

Hor. What-more than from the Oak ?

Tut. Yes, much more. Almoft all the timber ufed in building houles, for floors, beams, rafters, and roofs, is Fir.

Geo. Does it all grow in this country?

Tut. Scarcely any of it. Norway, Sweden, and Ruffia, are the countries from which we draw our timber, and a vaft trade there is in it. You have feen timber yards?

Geo. O yes-feveral.
Tut. In them you would obferve fome very long thick beams, called balks. Thofe are whole trees, only ftripped of the bark and fquared. You

## ON THE PINE AND FIR.

would alfo fee great piles of planks and boards, of different lengths and thicknefs. Thole are called deal, and are brought over ready fawn from the countries where they grow. They are of different colours. The white are chiefly from the Fir-tree; the yellow and red from the Pine.

Hor. I fuppofe there mut be great forefts of them in thole countries, or elf they could not fend us fo much.

Tut. Yes. The mountains of Norway are overrun with them, enough for the fupply of all Europe ; but on account of their ruggedness and want of roads, it is found impoffible to get the trees when felled down to the fea-coaft, unless they grow near forme river.

Geo. How do they manage them ? Tut. They take the opportunity when the rivers are fuelled with rains or melted frow, and tumble the trees into them, when they are carried down to the mouths
mouths of the rivers, where they are ftopped by a kind of pens.

Hor. I fhould like to fee them fwimming down the ftream.

Tut. Yes - it would be curious enough; for in fome places thefe torrents roll over rocks, making fteep water falls, down which the trees are carried headlong, and often do not rife again till they are got to a confiderable diftance; and many of them are broken and torn to pieces in the paffage.

Geo. Are thefe woods ufed for any thing befides building?

Tut. For a variety of purpofes; fuch as boxes, trunks, packing-cafes, pales, wainfots, and the like. Deal is a very foft woad, eafily worked, light and cheap, which makes it preferred for fo many ufes, though it is not very clurable, and is very liable to fplit.

Har. Yes-I know my box is made
of deal, and the lid is flit all to pieces with driving nails into it.

Geo. Are flips ever built with Fir?
Tut. It was one of the frit woods made ufe of for naval purpofes; and in the poets you will find the words Pine and Fir frequently employed to fignify flip. But as navigation has improved, the ftronger and more durable woods have generally taken its place. However, in the counties where Fir is very plentiful, large hips are fill built with it; for though they lat but a floret time, they colt fo little in proportion, that the profit of a few voyages is fufficient. Then, from the great lightnefs of the wood, they fwim higher in the water, and consequently will bear more loading. Mort of the large flips that bring timber from Archangel in Ruff are built of Fir. As for the marts of this, thole I have already told you are all made of Fir or Pine, on account of their ftraightnefs and lighters.

Geo. Are there not fome lines in Milton's Paradije Lof about that?

Tut. Yes. The fpear of Satan is magnified by a comparifon with a lofty Pine.

His fpear, to equal which the tallef Pine Hewn on Norwegian hills, to be the maft Of fome great ammiral, were but a wand.

Har. I remember, too, that the walking flaff of the giant Polypheme was a Pine.

Tut. Ay-fo Virgil and Ovid tell us; and he muft have been a giant indeed, to ufe fuch a ftick. Well, fo much for - the wood of thefe trees. But I have more to fay about their ufes.

Har. I am glad of it.
Tiut. All of the tribe contain a juice of a bitterifh taite and ftrong fragrant fmell. This, in fome, is fo abundant as to flow out from incifions; when it is called Turpentine. The larch, in particular, yields a large quantity. Turpentine is one of the fubftances
fubftances called refinous; it is fticky, tranfparent, very inflammable, and will not mix with water, but will diffolve in fpirits of wine.

Geo. What is it ufed for?
Tut. It is ufed medicinally, particularly in the compofition of plafters and ointments. It alfo is an ingredient in varnifhes, cements, and the like. An oil diftilled from turpentine is employed in medicine, and is much ufed by painters for mixing up their colours. What remains after getting this oil, is common rofin. All thefe fubftances take fire very eafily, and burn with a great flame; and the wood of the Pine has fo much of this quality, when dry, that it has been ufed in many countries for torches.

Har. I know deal fhavings burn very brinkly.

Geo. Yes; and matches are made of bits of deal dipped in brimftone.

Tut. True; -and when it was the Vol. I.
cultom to burn the bodies of the dead, as you read in Homer and other old authors, the pines and pitch-trees compofed great part of the funeral pile.

Har. But what are pitch-trees? Does pitch grow upon trees?

Tut. I was going on to tell you about that. Tar is a product of the trees of this kind, efpecially of one fpecies, called the Pitch-pine. The wood is burned in a fort of oven made in the earth, and the refinous juice fweats out, and acquires a peculiar tafte and a black colour from the fire. This is tar. Tar when boiled down to drynefs becomes pitch.

Geo. Tar and pitch are chiefly ufed about fhips; are they not?

Tut. They refif moifture, and therefore are of great fervice in preventing things from decaying that are expofed to wet. For this reafon, the cables and other ropes of fhips are well foaked with tar; and the fides of Inips are covered
with pitch mixed with other ingredients. Their reams, too, or the places where the planks join, are filled with tow dipped in a compofition of rofin, tallow, and pitch, to keep out the water. Wood for paling, for piles, coverings of roofs, and other purpofes of the like nature, are often tarred over. Cifterns and calks are pitched to prevent leaking.

Hor. But what are sheep tarred for, after they are fheared ?

Tut. To cure wounds and fores in their fin. For the like purpofes, an ointment made with tar is often rubbed upon children's heads. Several parts of the Pine are medicinal. The tops and green cones of the Spruce Fir are fermented with treacle, and the liquor, called pruce-beer, is much drunk in America, particularly for the fcurvy.

Geo. Is it pleasant?
Tut. Not to thole who are unacctif tomed to it. Well-I have now finished my leffon, fo let us walk.
$E=$

Har. Shall we go through the grounds ?

Tut. Yes; and then we will view fome of the different kinds of Fir and Pine more clofely, and I will fhew you the difference of their leaves and cones, by which they are diftinguifhed.

## THE ROOKERY.

There the hoarfe voic'd hungry Rook,
Near her ftick-built neft doth croak, Waving on the topmoft bough.
'These lines Mr. Stangrove repeated, pointing up to a Rookery, as he was walking in an avenue of tall trees, with his fon Francis.

Froncis. Is that a Rookery, papa?
Mr. St. It is. Do you hear what a cawing the birds make?

Fr. Yes-and I fee them hopping about
about among the boughs. Pray, are not Rooks the fame with crows?

NV. St. They are a fpecies of crow; but they differ from the carrion crow and raven in not living upon dead flefh, but upon corn and other feeds, and grafs. They indeed pick up beetles and other infects, and worms. See, what a number of them have lighted on yonder ploughed field, almoft blackening it over.

Fr. What are they coing?
Mr. St. Searching for grubs and worms. You fee the men in the field do not moleft them, for they do a great deal of fervice by deftroying grubs, which, if they were fuffered to grow to winged infects, would do much mifchief to the trees and plants.

Fr. But do they not hurt the corn?
Mr. St. Yes-they tear up a good deal of green corn, if they are not driven away. But upon the whole, Rooks are reckoned the farmer's friends; and they
do not choofe to have them deftroyed.

Fr. Do all Rooks live in Rookeries?
Mrr. St. It is the general nature of them to affociate together, and build in numbers on the fame or adjoining trees. But this is often in the midlt of woods or natural groves. However, they have no objection to the neighbourhood of man, but readily take to a plantation of tall trees, though it be clofe to a houfe; and this is commonly called a Rookery. They will even fix their habitations on trees in the midft of towns; and I have feen a Rookery in a churchyard in one of the clofeft parts of London.

Fr. I think a Rookery is a fort of town itfelf,

Mr. St. It is:-a village in the air, peopled with numerous inhabitants; and nothing can be more amufing than to view them all in motion, flying to and fro, and bufied in their feveral occupations. The foring is their bufief time.

Early in the year they begin to repair their neits, or build new ones.

Fr. Do they all work together, or every one for itfelf?

Nir. St. Each pair, after they have coupled, builds its own neft; and inftead of helping, they are very apt to fteal the materials from one another. If both birds go out at once in fearch of fticks, they often find, at their return, the work all deftroyed, and the materials carried off; fo that one of them generally fays at home to keep watch. However, I have met with a ftory which fhows that they are not without fome fenfe of the criminality of thieving. There was in a Rookery a lazy pair of Rooks, who never went out to get fticks for themfelves, but made a practice of watching when their neigtbours were abroad, and helped themfelves from their nefts. They had ferved moft of the community in this manner, and wowe means had juit finimertalerican Indians. It
all the other Rooks in a rage fell upon them at once, pulled their nett in pieces, beat them foundly, and drove them from their fociety.

Fr. That was very right-I fhould have liked to have feen it. But why do they live together, if they do not help one another?

Mr. St. They probably receive pleafure from the company of their own kind, as men and various other creacures do. Then, though they do not affift one another in building, they are mutually ferviceable in many ways. If a large bird of prey hovers about a Rookery for the purpose of carrying off any of the young ones, they all unite to drive him away. When they are feeding in a flock, feveral are placed as centincts upon the trees all round, who give the alarm if any danger approaches. They often go a long way from home to fo, rand butt oar evening the whole tons. The firing is : nd cawing as
they fly, as if to direct and call in the ftragglers. The older Rooks take the lead: you may diftinguifh them by the whitenefs of their bills, occalioned by their frequent digging in the ground, by which the black feathers at the root of the bill are worn off.

Fr. Do Rooks always keep to the fame trees?

Mr. St. Yes-they are much attached to them; and when the trees happen to be cut down, they feem greatly diftreffed, and keep hovering about them as they are falling, and will fcarcely defert them when they lie on the ground.

Fr. Poor things! I fuppofe they feel as we fhould if our town was burned down or overthrown by an earthquake.
$M r$. St. No doubt! The focieties of animals greatly refemble thofe of man; and that of Rooks is like thofe of men in a favage ftate, fuch as the communities of the North $\Lambda$ merican Indians. It
is a fort of league for mutual aid and defence, but in which every one is left to do as he pleafes, without any obligation to employ himfelf for the whole body. Others unite in a manner refembling more civilized focieties of men. This is the cafe with the beavers. They perform great public works by the united efforts of the whole community, fuch as damming up ftreams, and conftructing mounds for their habitations. As thefe are works of great art and labour, fome of them muft probably act under the direction of others, and be compelled, to work whether they will or not. Many curious fories are told to this purpofe by thofe who have obferved them in their remoteft baunts, where they exercife their full fagacity.

Fr. But are they all true?
Mr. St. That is more than I can anfwer for; yet what we certainly know of the economy of bees may juftify us in believing extraoidinary things of the fa-
gacity of animals. The fociety of bees goes further than that of beavers, and in fome refpects, beyond moft among men themfelves. They not only inhabit a common dwelling, and perform great works in common, but they lay up a fore of provifion which is the property of the whole community, and is not ufed except at certain feafons and under certain regulations. A bee-hive is a true image of a commonwealth, where no member acts for himfelf alone, but for the whole body.

Fr. But there are drones among them, who do not work at all.

Nir. St. Yes-and at the approach of winter they are driven out of the hive, and left to perifh with cold and hunger. But I have not leifure at pre-s fent to tell you more about bees. You nall one day fee them at work in a glafs: uppofe I muit man time, remember fome time or other, I thought yout wuala like to have me begin them foon, for I well to all thofe of men likewife. Fr. What is that?
Mr. St. The principle upon which they all affociate, is to obtain fome benefit for the whole body, not to give particular advantages to a ferw.

## DIALOGUE,

ON THINGS TO BE LEARNED;

BETWEEN MAMMA AND KITTX.

Kitty. Pray, mamma, may I leave off working? I am tifed.

Mamma. You have done very little, my dear; you know you were to finih all that hem.
K. But I had wo. weitainly $\mathrm{k}_{1}$.w
K. But I hady of bees may juftify us in believing extraoidinary things of the fagacity
M. I know very well what that means, Kitty; you had rather do any thing but what I fet you about.
K. No, mamma; but you know I can work very well already, and I have a great many other things to learn. There's Mifs Rich that cannot rew half fo well as $I$, and the is learning mufic and drawing already, befides dancing, and I don't know how many other things. She tells me that they hardly work at all in their fchool.
$M$. Your tongue runs at a great rate, my dear; but in the firft place, yous cannot few very well, for if you could, you would not have been fo long in doing this little piece. Then I hope you will allow, that mammas know better what is proper for their little girls to learn, than they do themfelves.
K. To be fure, mamma: but as 1 fuppofe I muft learn all thefe things fome time or other, I thought you would like to have me begin them foon, for I

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have often heard you fay that children cannot be fet too early about what is neceffary for them to do.
M. That's very true, but all things are not equally neceffary to every one; but fome that are very fit for one, are farcely proper at all for others.
K. Why, mamma?
M. Becaufe, my dear, it is the pur-: pofe of all education to fit perfons for the ftation in which they are hereafter to live; and you know there are very great differences in that refpect, both among men and women.
K. Are there? I thought all ladies lived alike.
$M$. It is ufual to call all well educated women, who have no occafion to work for their livelihood, ladies; but if you will think a little, you muft fee that they live very differently from each other, for their fathers and hufbands are in very different ranks and fituations: in the world, you know.
K. Yes,

## THINGS TO BE LEARNED.

K. Yes, I know that fome are lords, and fome are fquires, and fome are clergymen, and fome are merchants, and fome are doctors, and fome are fhopke pers.
M. Well; and do you think the wives and daughters of all thefe perfons can have juft the fame things to do, and the fame duties to perform? You know how I fpend my time. I have to go to market and provide for the family, to look after the fervants, to help in taking care of you children, and in teaching you, to fee that your clothes are in proper condition, and affift in making and mending for myfelf, and you, and your papa. All this is my neceffary duty; and befides this, I mult go out a vificing to keep up our acquaintance; this I call partly bufinefs, and partly amufement. Then when I am tired, and have done all that I think neceffary, I may amufe myfelf with reading, or in any other proper way. Now a great
many of thefe employments do not belong to Lady Wealthy, or Mrs. Rich, who keep houfekeepers and governeffes, and fervants of all kinds, to do every thing for them. It is very proper, therefore, for them to pay more attention to mufic, drawing, ornamental work, and any other elegant manner of paffing their time, and making themfelves agreeable.
K. And fhall I have all the fame things to do, mamma, that you have ?
M. It is impoffible, my dear, to foreSee what your future ftation will be: but you have no reafon to expect that if you have a family, you will have fewer duties to perform than I have. This is the way of life for which your education hould prepare you; and every thing will be ufeful and important for you to learn, in proportion as it will make you fit for this.
K. But when $I$ am grown a young lady, fhall not I have to vifit, and go to affemblies
affemblies and plays, as Mifs Wilfons and Mifs Johnfons do?
M. It is very likely you may enter into forme amufements of this fort: but even then you will have feveral more ferious employments, which will take up a much greater part of your time; and if you do not do them properly, you will have no right to partake of the others.
K. What will they be, mamma ?
M. Why don't you think it proper that you fhould affift me in my houfehold affairs a little, as foon as you are able?
K. O yes, mamma, I fhould be very glad to do that.
M. Well, conffder what talents will be neceffary for that purpofe ; will not a good hand at your needle be one of the very firft qualities?
K. I believe it will.
M. Yes, and not only in affifting me, but in making things for yourjelf. You
know how we admired Mirs Smart's ingenuity when fhe was with us, in contriving and making fo many articles of her drefs, for which the muft otherwife have gone to the milliner's, which would have coft a great deal of money.
$K$. Yes, the made my pretty bonnet, and fhe made you a very handfome cap.
M. Very true; the was fo clever as not only to furnifh herfelf with thefe things, but to oblige her friends with fome of her work. And I dare fay fhe does a great deal of plain work alio for herfelf and her mother. Well, then, you are convinced of the importance of this bufiners, I hope.
K. Yes, mamma.
M. Reading and writing are fuch neceffary parts of education, that I need not fay much to you about them.
K. O no, for I love reading dearly.
M. I know you do, if you can get entertaining ftories to read; but there are many things alfo to be read for in-
ftruction, which perhaps may not be fo pleafant at firft.
K. But what need is there of fo many books of this fort?
M. Some are to teach you your duty to your Maker, and your fellow creatures, of which I hope you are fenfible you ought not to be ignorant. Then it is very right to be acquainted with geography; for you remember how poor Mifis Blunder was laughed at for faying that if fhe ever-went to France, it fhould be by land.
K. That was becaufe England is an illand, and all furrounded with water, was not it?
M. Yes, Great Britain, which contains both England and Scotland, is an ifland. Well, it is very ufeful to know fomething of the nature of plants, and animals, and minerals, becaufe we are always uing fome or other of them. Something, too, of the heavenly bodies, is very proper to be known, both that
we may admire the power and wifdom of God in creating them, and that we may not make foolifh miftakes, when their motions and properties are the fubject of converfation. The knowledge of hiftory too, is very important, efpecially that of our own country: and in hort every thing that makes part of the difcourfe of rational and well-educated people, ought in fome degree to be ftudied by every one who has proper opportunities.
K. Yes, I like fome of thofe things very well. But pray, mamma, what do I learn French for-am I ever to live in France?
M. Probably not, my dear; but there are a great many books written in French that are very well worth reading; and it may every now and then happen that you may be in company with foreigners who cannot fpeak Englifh, and as they almoft all talk French, you may be able to converfe with them in that language.
K. Yes,
$K$. Yes, I remember there was a gentleman here, that came from Germany, I think, and he could hardly talk a word of Englifh, but papa and you could talk with him in French; and I wifhed very much to be able to underftand what you were faying, for I believe part of it was about me.
M. It was. Well then, you fee the ufe of French. But I cannot fay this is a neceffary part of knowledge to young women in general, only it is well worth acquiring, if a perfon has leifure and opportunity, I will tell you, however, what is quite neceffary for one in your ftation, and that is, to write a good hand, and to caft accounts well.
K. I fhould like to write well, becaufe then I could fend letters to my friends when I pleafed, and it would not be fuch a forawl as our maid Betty writes, that I dare fay her friends can hardly make out.
M. She had not the advantage of
learning when young, for you know the taught herfelf fince fhe came to us, which was a very fenfible thing of her, and I fuppofe fhe will improve. Well, but accounts are almoft as neceffary as writing; for how could I caft up all the market bills, and tradefmen's accounts, and keep my houle books without it? $K$. And what is the ufe of that, mamma?
M. It is of ufe to prevent our being overcharged in any thing, and to know exactly how much we fpend, and whether or no we are exceeding our income, and in what articles we ought to be more faving. Without keeping accounts, the richeft man might foon come to be ruined before he knew his affairs were going wrong ?
K. But do women always keep accounts? I thought that was generally the bufnefs of the men.
M. It is their bufinefs to keep the accounts belonging to their trade, or
profeflion, or eftate; but it is the bufinefs of their wives to keep all the houfehold accounts: and a woman almoft in any rank, unlefs perhaps fome of the higheft of all, is to blame if fhe does not take upon her this neceffary office. I remember a remarkable inftance of the benefit which a young lady derived from an attention to this point. An eminent merchant in London failed for a great fum.
K. What does that mean, mamma ? M. That he owed a great deal more than he could pay. His creditors, that is thofe to whom he was indebted, on examining his accounts found great deficiencies which they could not make out; for he had kept his books very irregularly, and had omitted to put down many things which he had bought and fold. They fufpected, therefore, that great wafte had been made in the family expences; and they were the more fufpicious of this, as a daughter, who was
a very genteel young lady, was his houfekeeper, his wife being dead. She was told of this; upon which, when the creditors were all met, fhe fent them her houfe-books for their examination. They were all written in a very fair hand, and every fingle article was entered with the greateft regularity, and the fums were all caft up with perfect exactnefs. The gentlemen were fo highly pleafed with this proof of the young lady's ability, that they all agreed to make her a handfome prefent out of the effects; and one of the richeft of them, who was in want of a clever wife, foon after paid his addreffes to her, and married her.
$K$. That was very lucky, for I fuppofe the took care of her poor father, when the was rich. But I fhall have nothing of that fort to do a great while.
M. No; but young women fhould keep their own accounts of clothes and
pocket-money, and other expences, as I intend you fhall do when you grow up.
K. Am not I to learn dancing, and mufic, - and drawing too, mamma?
M. Dancing you fhall certainly learn pretty foon, becaufe it is not only an agreeable accompliffoment in itfelf, but is ufeful in forming the body to eafe and elegance in all its motions. As to the other two, they are merely ornamental accomplifhments, which though a woman of middling ftation may be admired for poffeffing, yet fhe will never be cenfured for being without. The propriety of attempting to acquire them muft depend on natural genius for them, and upon leifure and other accidental circumftances. For fome they are too expenfive, and many are unable to make fuch progrefs in them as will repay the pains of beginning. It is foon enough, however, for us to think about thefe things, and at any rate they are not to come in till Vol. I.
you have made a very good proficiency in what is ufeful and neceffary. But I fee you have now finifhed what I fet you about, fo you thall take a walk with me into the market-place, where I have two or three things to buy.
K. Shall not we call at the bookfeller's, to enquire for thole new books that Miss Reader was talking about?
M. Perhaps we may. Now lay up your work neatly, and get on your hat and tippet.

> MOUSE, LAP-DOG, AND MONKEY.

A FABLE 。

A poor little Moue, being half ftarved, ventured one day to feal from behind the wainfoot while the family were at dinner, and trembling all the while,

picked

picked up a few crumbs which were fcattered on the ground. She was foon obferved, however : every body was immediately alarmed; fome called for the cat; others took up whatever was at hand, and endeavoured to crufh her to pieces; and the poor terrified animal was driven round the room in an agony of terror. At length, however, fhe was fortunate enough to gain her hole, where the fat panting with fatigue. When the family were again feated, a Lap-Dog and a Monkey came into the room. The former jumped into the lap of his miftrefs, fawned upon every one of the children, and made his court fo effectually, that he was rewarded with fome of the beft morfels of the entertainment. The Monkey, on the other hand, forced himielf into notice by his grimaces. He played a thoufand little mifchievous tricks, and was regaled, at the appearance of the defert, with plenty of nuts
and apples. The unfortunate little Moufe, who faw from her hiding-place every thing that paffed, fighed in anguifh of heart, and faid to herfelf, "Alas! how ignorant was I, to imagine that poverty and diftrefs were fufficient recommendations to the charity of the opulent. I now find, that whoever is not mafter of fawning and buffoonery, is but ill qualified for a dependant, and will not be fuffered even to pick up the crumbs that fall from the table."

## ANIMALS,

AND THEIR COUNTRIES。

O'er Afric's fand the tawny Lion falks: On Pbafis' banks the graceful Pheafant walks :
The lonely Eagle builds on Kilda's fhore :
Germania's forefts feed the tufky Boar:
From $A l p$ to $A l p$ the fprightly Ibex bounds :

With peaceful lowings, Britain's ifle refounds:
The Lapland peafant o'er the frozen meer
Is drawn in fledges by his fivift Rein-Deer:
The River-Horfe and fcaly Crocodile
Infeft the reedy banks of fruitful Nile:
Dire Dipfts' hifs o'sr Mauritanin's plain:
And Seals and fpouting Whales fport in the Norshern Main.

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## FOURTH EVENING。

## CANUTE'S REPROOF

TO HIS COURTIERS.

> PIRSONE.

| CANUTE, | King of England. |
| :--- | :--- |
| OSWALD, OFFA, | Courtiers. |

Scene-Tbe Sea-Side, near Soutbampton. The tide coming in.

Canute. Is it true, my friends, what you have fo often told me, that I am the greateft of monarchs?

Offa. It is true, my liege; you are the moft powerful of all kings.

Ofwald. We are all your nlaves; we kifs the duft of your feet.

- Offa. Not only we, but even the elements, are your 冋aves. The land obeys
you from fhore to fhore; and the fea obeys you.
Canute. Does the fea, with its loud boifterous waves, obey me? Will that terrible element be fill at my bidding?

Offa. Yes, the fea is yours; it was made to bear your thips upon its bofom, and to pour the treafures of the world at your royal feet. It is boifterous to your enemies, but it knows you to be its fovereign.

Canute. Is not the tide coming up?
Ofroald. Yes, my liege; you may perceive the fwell already.

Canute. Bring me a chair then; fetir here upon the fands.

Offic. Where the tide is coming up, my gracious lord ?

Camute. Yes, fet it jult here,
Ofroald (afide). I wonder what he is going to do !

Offa (afide). Surely he is not fuch a fool as to believe us !

Canute. O mighty Ocean! thou art F 4

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FOURTH EVENING。
my fubject; my courtiers tell me fo: and it is thy bounden duty to obey me: Thus, then, I fretch my fceptre over thee, and command thee to retire. Roll back thy fwelling waves, nor let them prefume to wer the feet of me, thy royal mafter.

Ofwald (afide). I believe the fea will pay very little regard to his royal commands.

Offa. See how fatt the tide rifes!
Oforald. The next wave will come up to the chair. It is a folly to flay; we Shall be covered with falt water.

Canute. Well, does the fea obey my commands? If it be my fubject, it is a very rebellious fubject. See how it fwells, and dafhes the angry foam and falt fpray over my facred perfon. Vile fycophants! did you think I was the dupe of your bafe lies? that I believed your abject flatteries? Know, there is only one Being whom the fea will obey. He is Sovereign of heaven and earth,

King of kings, and Lord of lords. It is only he who can fay to the ocean, ${ }^{\circ}$ Thus far fhalt thou go, but no farther, and here fhall thy proud waves be ftayed." A king is but a man; and man is but a worm. Shall a worm affume the power of the great God, and think the elements will obey him? Take away this crown, I will never wear it more. May kings learn to be humble from my example, and courtiers learn truth from your difgrace!
the history and adventures

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A C A T.

Some days ago died Grimalikin, the favourite tabby Cat of Nars. Petlove. Her diforder was a fhortnefs of breath, proceeding partly from old age, and partly from fat. As fhe felt her end F 5 approaching,
approaching, the called her children to her, and with a good deal of difficulty fpoke as follows.

Before I depart from this world, my children, I mean, if my breath will give me leave, to relate to you the principal events of my life, as the variety of fcenes I have gone through may afford you fome ufeful inftruction for avoiding thofe dangers to which our fpecies are particularly expofed.

Without further preface, then, I was born at a farm-houfe in a village fome miles from hence; and almoft as foon as I came into the world, I was very near leaving it again. My mother brought five of us at a litter; and as the frugal people of the houfe only kept Cats to be ufeful, and were already fufficiently ftocked, we were immediately doomed to be drowned; and accordingly a boy was ordered to take us all and throw us into the horfe-pond. This commiffion he performed with the pleafure boys
feem naturally to take in acts of cruelty, and we were prefently fet a fwimming. While we were ftruggling for life, a little girl, daughter to the farmer, came running to the pond fide, and begged very hard that the might fave one of us, and bring it up for her own. After fome difpute, her requeft was granted; and the boy, reaching out his arm, took hold of me, who was luckily neareft him, and brought me out when I was juft fpent. I was laid on the grafs, and it was fome time before I recovered. The girl then reftored me to my manther, who was overjoyed to get again one of her little ones; and for fear of another mifchance, flae took me in her mouth to a dark hole, where fhe kept me till I could fee, and was able to run by her fide. As foon as I came to light again, my little mittrefs took. poffefion of me, and tended me very carefully. Her fondnefs, indeed, was fometimes troublefome, as the pinched
my fides with carrying me, and once or twice hurt me a good deal by letting me fall. Soon, however, I became ftrong and active, and played and gamboled all day long, to the great delight of my maiftrefs and her companions.

At this time I had another narrow efcape. A man brought into the houfe a ftrange dog, who had been taught to worry all the Cats that came in his way. My mother flunk away at his entrance; but I, thinking, like a little fool as I was, that I was able to protect myfelf, fid on the floor, growling, and retting up my back by way of defiance. The dog inftantly ran at me, and before I could get my claws ready, feized me with his mouth, and began to gripe and thake me mot terribly. I fcreamed out, and by good luck my miftrefs was within hearing. She ran to us, but was not able to difengage me; however, a fervant, feeing her diftrefs, took a great flick, and gave the dog fuck a bang on
the back, that he was forced to let me go. He had ufed me fo roughly, that I was not able to ftand for fome time: but by care and a good conftitution I recovered.

I was now running after every body's heels, by which means I got one day locked up in the dairy. I was not forry. for this accident, thinking to feaft upon the cream and other good things. But having climbed up a fhelf to get at a bowl of cream, I unluckily fell backwards into a large veffel of buttermilk, where I flould probably have been drowned, had not the maid heard the noife, and come to fee what was the matter. She took me out, fcolding bitterly at me, and after making me undergo a fevere difcipline at the pump to clean me, the difmiffed me with a good whipping. I took care never to follow her into the dairy again.

After a while I began to get into the yard, and my mother took me into the
barn upoin a moufing expedition. I thall never forget the pleafure this gave me. We fat by a hole, and prefently out came a moufe with a brood of young ones. IMy mother darted among them, and firit demolifhed the old ones and then purfued the little ones, who ran about fqueaking in dreadful perplexity. I now thought it was time for me to do fomething, and accordingly ran after a ftraggler, and foon overtook it. Oh, how proud was I, as I flood over my rrembling captive, and patted him with my paws! My pride, however, foon met with a check; for feeing one day a large rat, I courageouny flew at him; but inftead of turning tail, he gave me fuch a bite on the nofe, that I ran away to my mother, mewing piteounly, with my face all bloody and fwelled. For fome time I did not meddle with rats again; but at length, growing ftronger and more nkilful, I feared neither rats nor any other vermin, and
acquired the reputation of an excellent hunter.

I had fome other efcapes about this time. Once I happened to meet with fome poifoned food laid for the rats, and eating it, I was thrown into a diforder that was very near killing me. At another time, I chanced to fet my foot in a rattrap, and received fo many deep wounds from its teeth, that though I was loofened as gently as poffible by the people who heard me cry, I was rendered lame for fome weeks after.

Time went on, and I arrived at my full growth; and forming an acquaintance with a he-cat about my age, after a decent refiftance by fcolding, biting, and ficratching, we made a match of it. I became a mother in due time, and had. the mortification of feeing feveral broods of my kittens difpofed of in the fame manner as my brothers and fifters had been. I fhall mention two or three other adventures in the order I remem-
ber them. I was once prowling for birds along a hedge at fome diftance from home, when the fquire's greyhounds came that way a courfing. As foon as they fpied me, they fet off full fpeed, and running much fafter than I could do, were juft at my tail, when I reached a tree, and faved myfelf by climbing up it. But a greater danger befell me on meeting with a parcel of boys returning from fchool. They furrounded me before I was aware, and obliged me to take refuge in a tree: but I foon found that a poor defence againft fuch enemies; for they affembled about it, and threw frones on all fides, fo that I could not avoid receiving many hard blows, one of which brought me fenfelefs to the ground. The biggeft boy now feized me, and propofed to the reft making what he called rare fport with me. This fport was to tie me on a board, and launching me on a pond, to fet fome water-dogs at me,
who were to duck and half drown me, while I was to defend myfelf by biting their nofes, and foratching their eyes. Already was I bound, and juit ready to be fet a failing, when the fchoolmaiter, taking a walk that way, and feeing the buftle, came up, and obliged the boys to fet me at liberty, feverely reprimanding them for their cruel intentions.

The next remarkable incident of my life was the occafion of my removal from the country. My miftrefs's brother had a tame linnet, of which he was very fond; for it would come and light on his fhoulder when he called it, and feed out of his hand; and it fung well befides. This bird was ufually either in his cage or upon a high perch; but one unlucky day, when he and I were alone in the room together, he came down on the table to pick up crumbs. I fpied him, and not being able to reffit the temptation, fprung at him, and catching him in my claws, foon began

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to devour him. I had almoft finifhed when his mafter come into the room; and feeing me with the remains of poor linnet in my mouth, he ran to me in the greateft fury, and after chafing me feveral times round the room, at length caught me. He was proceeding inftantly to hang me, when his fifter, by many entreaties and tears, perfuaded him after a good whipping to forgive me, upon the promife that I fhould be fent away. Accordingly, the next marketday I was difpatched in the cart to a relation's of theirs in this town, who want. ed a good Car, as the houle was overrun with mice.

In the fervice of this family I continued a good while, performing my duty as a moufer extremely well, fo that I was in high efteem. I foon became accquainted with all the particulars of a town life, and diftinguifhed my activity in climbing up walls and houfes, and jumping from roof to roof, either in

## HISTORY OF A CAT.

purfuit of prey, or upon goffiping parties with my companions. Once, however, I had like to have fuffered for my venturing; for having made a great jump from one houfe to another, I lis upon a loofe tile, which giving way with me, I fell from a vaft height into the ffreet, and thould certainly have been killed, had I not had the luck to light in a dung-cart, whence I efcaped with no other injury but being half ftifled with filth.

Notwithitanding the danger I had run from killing the linnet, I am forry to confefs that I was again guilty of a fimilar offence. I contrived one nighe to leap down froma roof upon the board of fome pigeon-holes, which led to a garret inhabited by thofe birds. I entered, and finding them afleep, made fad havock among all that were within: my reach, killing and fucking the blood: of near a dozen. I was near paying dearly for this, too; for on attempting

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to return, I found it was impoffible for me to leap up again to the place from whence I had defcended, fo that after feveral dangerous trials, I was obliged to wait trembling in the place where I had committed all thefe murders, till the owner came up in the morning to feed his pigeons. I rufhed out between his. legs as foon as the door was opened, and had the good fortune to get fafe down fairs, and make my efcape through a window unknown; but never mall I forget the horrors I felt that night! Let my double danger be a warning to you, my children, to controul your favage appetites, and on no account to do harm to thofe creatures which like ourfelves are under the protection of man. We Cats all lie under a bad name for treacherous difpofitions in this refpect, and with frame I muft acknowledge it is but too well merited.

Well-but my breath begins to fail me, and I muft haften to a conclufion.

I ftill lived in the fame family, when our prefent kind miftrefs, Mrs. Petlove, having loft a favourite tabby, advertifed a very handfome price for another that fhould as nearly as poffible refemble her dead darling. My owners, tempted by the offer, took me for the good lady's infpection, and I kad the honour of being preferred to a multitude of rivals. I was immediately fettled in the comfortable manfion we now inhabit, and had many favours and indulgencies befowed upon me, fuch as I had never before experienced. Among thefe I reckon one of the principal, that of being allowed to rear all my children, and to fee them grow up in peace and plenty. My adventures here have been few; for after the monkey had fitefully bit off the laft joint of my tail (for which I had the fatisfaction to fee him foundly corrected) I kept beyond the length of his chain; and neither the parrot nor lap-dogs ever dared to moleft me. One
of the greateft afflictions I have felt here, was the ftifling of a whole litter of my kittens by a fat old lady, a friend of my miftrefs's, who fat down on the chair where they lay, and never perceived the mifchief fhe was doing till fhe rofe, though I pulled her clothes, and ufed all the means in my power to fhew my uneafinefs. This misfortune my miftrefs took to heart almoft as much as myfelf, and the lady has never fince entered our doors. Indeed, both I and mine have ever been treated here with the utmoft kindnefs-perhaps with too much; for to the pampering me with delicacies, together with Mrs. Abigail's frequent wafhings, I attribute this afthma, which is now putting an end to my life, rather fooner than its natural period. But I know all was meant well; and with my laft breath I charge you all to Shew your graticude to our worthy miftrefs, by every return in your power.

And now, my dear children, farewell;
we fhall perhaps meet again in a land where there are no dogs to worry us, or boys to torment us-Adicu!

Having thus faid, Grimalkin became fpeechlefs, and prefently departed this life, to the great grief of all the family.

## THE LITTLE DOG.

A FABLE.
"What fhall I do," faid a very little Dog one day to his mother, "to Thew my gratitude to our good mafter, and make myfelf of fome value to him? I cannot draw or carry burdens, like the horfe; nor give him milk, like the cow; nor lend him my covening for his clothing, like the fheep; nor produce him eggs, like the poultry; nor catch mice and rats fo well as the cat. I cannot divert him with finging, like the ca-

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naries and linnets; nor can I defend him againft robbers, like our relation Towzer. I Should not be of fe to him even if I were dead, as the hogs are. I am a poor infignificant creature, not worth the colt of keeping; and I don't fee that I can do a dingle thing to entitle me to his regard." So laying, the poor little Dog hung down his head in filent defpondency.
"My dear child," replied his mocher, "though your abilities are but small, yet a hearty good-will is fufficient to fupply all defects. Do but love him dearly, and prove your love by all the means in your power, and you will not fail to pleafe him."

The little Dog was comforted with this affurance ; and on his matter's approach, ran to him, licked his feet, gamboled before him, and every now and then flopped, wagging his tail, and looking up to his matter with expreffins of the mot humble and affec-
sionate attachment. The mafter obfervi ed him. Ha! little Fido, faid he, you are an honeft, good-natured Jittle fellow !-and ftooped down to pat his head. Poor Fido was ready to ga out of his wits wich joy.

Fido was now his mafter's conftant companion in his walks, playing and fkipping round him, and amufing him by a thoufand fportive tricks. He took care, however, not to be troublefome by leaping on him with dirty paws, nor would he follow him into the parlour, unlefs invited. He alfo attempted to make himfelf ufeful by a number of little fervices. He would drive away the fparrows as they were ftealing the chickens' meat; and would run and bark with the utmoft fury at any ftrange pigs or other animals that offered to come into the yard. He kept the poultry, geefe, and pigs from fraying beyond their bounds, and particularly from doing mifchief in the gar-
YoL.I.
den. He was always ready to alarm Towzer if there was any fulpicious noife about the houfe, day or night. If his matter pulled off his coat in the field to help his workmen, as he would fometimes do, Fido always fat by it, and would not fuffer either man or beaft to touch it. By this means he came to be confidered as a very trufty protector of his matter's property.

His mafter was once confined to his bed with a dangerous illness. Fido planted himfelf at the chamber door, and could not be perfuaded to leave it, even to take food; and as foo as his matter was fo far recovered as to fit up, Fido, being admitted into the room, ran up to him with fuch marks of exceflive joy and affection, as would have melted any heart to behold. This circumftance wonderfully endeared him to his matter; and forme time after he had an opportunity of doing him a very inportant fervice. One hot day after dinnet,

Her, his matter was fleeping in a fum-mer-houfe, with Fido by his fade. The building was old and crazy; and the Dog, who was faithfully watching his matter, perceived the walls flake, and pieces of mortar fall from the ceiling. He comprehended the danger, and began barking to awake his matter; and this not fufficing, the jumped up, and gently bit his finger. The mafter, upon this, farted up, and had jut time to get out of the door before the whole building fell down. Fido, who was behind, got hurt by dome rubbifh which fell upon him; on which his matter had him taken care of with the utmof tendernefs, and ever after acknowledged his obligation to this little animal as the preferver of his life. Thus his love and fidelity had their full reward.

Moral. The pooreft man may repay his obligations to the richeft and greateft by faithful and affectionate fervice- vour and regard of the Creator himfelf, by humble gratitude, and ftedfaft obedience.

## THE MASQUE OF NATURE.

Who is this beautiful Virgin that approaches, clothed in a robe of light green? She has a garland of flowers on her head, and flowers fpring up whereever fhe fets her foot. The fnow which covered the fields, and the ice which was in the rivers, melt away when the breathes upon them. The young lambs frink about her, and the birds warble in their little throats to welcome her coming; and when they fee her, they begin to choofe their mates, and to build their nefts. Youths and maidens, have ye feen this beautiful Virgin? If ye have, tell me who is fhe, and what is her name.

Who is this that cometh from the fouth, thinly clad in a light tranfparent garment? her breath is hot and fulery; the feels the refrefmment of the cool Shade; The feeks the clear ftreams, the cryftal brooks, to bathe her languid limbs. The brooks and rivulets fly from her, and are dried up at her approach. She cools her parched lips with berries, and the grateful acid of all fruits; the feedy melon, the harp apple, and the red pulp of the juicy cherry, which are poured out plentifully around her. The tanned hay-makers welcome her coming; and the fheepe Shearer, who clips the fleeces of his flock with his founding hears. When She-cometh let me lie under the thick fade of a Spreading beech tree, -let me walk with her in the early morning? - when the dew is yet upon the grass, let me wander with her in the fort twilight, when the Shepherd huts his fold,

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and the star of evening appears. Who is the that comet from the fouth? Youths and maidens, tell me, if yous know, who is the, and what is her name.

Who is he that cometh with fober pace, flealing upon us unawares? His garments are, red with the blood of the grape, and his temples are bound with a flea of ripe wheat. His hair is thin and begins to fall, and the auburn is mixed with mournful grey. He flakes the brown nuts from the tree. He winds the horn, and calls the hunters to their fport. The gun founds. The trem. bling partridge and the beautiful pleafont flutter, bleeding in the air, and fall dead at the fportfman's feet. Who is he that is crowned with the wheatSheaf? Youths and maidens, tell me, if ye know, who is he, and what is his name.

WHo is he that cometh from the north, clothed in furs and warm wool? HIe wraps his cloak clone about him. This head is bald; his beard is made of Tharp icicles. Ie loves the blazing fire high piled upon the hearth, and the wine fparkling in the glass. He binds fates to his feet, and frims over the frozen lakes. Wis breath is piercing and cold, and no little flower dares to peep above the furface of the ground, when he is by. Whatever he touches tums to ice. If he were to ftroke you with his cold hand, you would be quite, if and dead, like a piece of marble. Youths and maidens, do you fee him? Ie is coming fart upon us, and foon he will be here. Tell me, if you know, who is he, and what is his name.

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## WFTHEVENING。

## ON THE MARTIN.

Look up, my dear (faid his papa to little William), at thofe bird-nefts above the chamber-windows, beneath the eaves of the houfe. Some, you fee, are but juft begun,-nothing but a little clay: fluck againft the wall. Others are half finifhed; and others are quite builtclofe and tight-leaving nothing but a fmall hole for the birds to come in and. go out at.

What nefts are they? faid William.
They are Martin's nefts, replied his father; and there you fee the owners. How bufily they fly backwards and forwards, bringing clay and dirt in their bills, and laying it upon their work,
forming it into flame with their bills and feet! The nets are built very flong and thick, like a mud wall, and are lined with feathers, to make a fort bed for the young. Martins are a kind of fallows. They feed on flies, gnats, and other infects; and always build in towns and villages about the houfes. People do not moleft them, for they do good rather than harm, and it is very amuring to view their manners and actions. See how fifty they flam through the air in purfuit of their prey! In the morning they are up by day-break, and twitter about your window while you are aneep in bed; and all day long they are upon the wing, getting food for themfelves and their young. As foo as they have caught a few flies, they harden to their nets, pop into the hole, and feed their little ones. I'li tell yo l a flory about the great care they take of their young. A pair of Martins once built their nett in a porch; and when they
had young ones, it happened that one of them climbing up to the hole before he was fledged, fell out, and lighting upon the ftones, was killed. The old birds, perceiving this accident, went and got fhort bits of ftrong fraw, and fuck them with mud, like palifades, all round the hole of the neft; in order to keep the other litele ones from tumbling after their poor brother.

How cunning that was! cried William.

Yes, faid his father: and I can tell. you another ftory of their fagacity, and allo of their difpofition to help one another. A faucy cock-fparrow (you know what impudent rogues they are!) had got into a Martin's neft whilft the owner was abroad; and when he returned, the fparrow put his head into the hole, and pecked at the Martin with open bill as he attempted to enter his own houfe. The poor Martin was fadly provoked at this injuftice, but was

## ON THE MARTIN.

unable by his own ftrength to right himfelf. So he flew away, and gathered a number of his companions, who all came with a bit of clay in their bills, with. which they plattered up the hole of the neft, and kept the fparrow in prifon, who died miferably for want of food and air.

He was rightly ferved, faid William.

So he was, rejoined papa. Well; I have more to fay about the fagacity: of thefe birds. In autumn, when it begins to be cold weather, the Martins and other fwallows affemble in great numbers upon the roofs of high buildings, and prepare for their departure to a warmer country; for as all the infects here die in the winter, they would have nothing to live on if they were to ftay. They take feveral fhort flights in flocks round and round, in order to try their ftrength, and then, on fome fine calm day, they fet out together for a long journey G 6 fouthwards
fouthwards, over fea and land, to a very diftant country.

But how do they find the way? faid William.

We fay, anfwered his father, that they are taught by infindt; that is, God has implanted in their minds a defire of travelling at the feafon which he knows to be proper, and has alfo given them an impulfe to take the right road. They fteer their courfe through the wide air, directly to the proper foot. Sometimes, however, ftorms and contrary winds meet them, and drive the poor birds about till they are quite fpent, and fall into the fea, unlefs they happen to meet with a faip, on which they can light and reft themfelves. The fwallows from the country are fuppofed to go as far as the middle of Africa to foend the winter, where the weather is alvays warm, and infects are to be met with all the year. In fpring they take another long journey back again to thefe
northern countries. Sometimes, when we have fine weather very early, a few of them come too foon; for when it changes to froft and frow again, the poor creatures are ftarved for want of food, or perifhed with the cold. Hence arifes the proverb,

One fivallow does not make a fummer.
But when a great many of them are come, we may be fure that winter is over, fo that we are always very glad to fee them again. The Martins find their way back over fuch a vaft length of fea and land, to the very fame villages and houfes where they were bred. This has been difcovered by catching fome of them, and marking them. They repair their old nefts, or build new ones, and then fet about laying eggs and hatching their young. Pretty things! I hope you will never knock down their nefts, or take their eggs or young-ones; for as they come fuch a long way to
vilit us, and lodge in our houses without fear, we ought to use them kind. by.

## THE SHIP.

Charles Ofbom, when at home in the holidays, had a vifit from a fchool-fellow who was jut entered as a midshipman on board a man of war. Tom Hardy (that was his name) was a freehearted fpirited lad, and a favourite among his companions; but he never liked his book, and had left fchool ignorant of almoft every thing he came there to learn. What was worfe, he had got a contempt for learning of all kinds, and was fond of Shewing it. "What does your father mean," fays he to Charles, "to keep you moping and ftudying over things of no ufe in the world but to plague folks? - Why can't you go into his majefty's fervice
like me, and be made a gentleman of? You are old enough, and I know you are a lad of frit." This kind of talk made forme impreffion upon young ofborn. He became left attentive to the leffons his father let him, and lefs willing to enter into inftructive converfacion. This change gave his father much concern; but as he knew the cause, he thought it bet, inftead of employing direct authority, to attempt to give a new impreffion to his fon's mind, which might counteract the effects of his comfanion's fuggeftions.

Being acquainted with an Eaft-India captain who was on the point of failing, he went with his for to pay him a farewel vifit on board his flip. They were fhewn all about the veffel, and viewed all the preparations for fo long a voyage. They fam her weigh anchor and unfurl her fails; and they took leave of their friend amid the flouts of the feamen and all the buftle of departure.

Charles was highly delighted with this fcene ; and as they were returning, could think and talk of nothing eife. It was eafy, therefore, for his father to lead him into the following train of difcourfe.

After Charles had been warmly expreffing his admiration of the grand fight of a large fhip completely fitted out and getting under fail ;-I do not wonder (faid his father) that you are fo much ftruck with it:-it is, in reality, one of the fineft fpectacles created by human Ikill, and the nobleft triumph of art over untaught nature. Near two thoufand years ago, when Julius Cæfar came over to this inand, he found the natives in poffefion of no other kind of veffel than a fort of canoe, formed of wicker work covered with hides, and no bigger than a man or two could carry. But the largeft fhip in Cæfar's fleet was not more fuperior to thefe, than the Indiaman you have been feeing is to what that was. Our favage anceftors ven-
tared only to paddle along the rivers and coats, or crofs fmall arms of the fea in calm weather; and Cæfar himfelf would have been alarmed to be a few days out of fight of land. But the fhip we have juft left is going by itfelf to the oppofite fide of the globe, prepared to encounter the tempeftuous winds and mountainous waves of the vaft fouthern ocean, and to find its way to its deftined port, though many weeks munt pafs with nothing in view but fea and fky. Now what do you think can be the caufe of this prodigious difference in the powers of man at one period and another?

Cbarles was filent.
Is it not (faid his father) that there is a great dealmore knowledge in one than in the other?

To be fure it is, faid Charles.
Fatber. Would it not, think you, be as impoffible for any number of men, untanght, by their utmoft efforts, to build
build and navigate fuch a flip as we have feen, as to fly through the air?

Charles.: I fuppofe it would.
Fa. That we may be the more fenfile of this, let us confider how many arts and profefions are neceffary for this purpofe. Come-you hall begin to name them, and if you forget any, I will put you in mind. What is the first?

Cb. The fhip-carpenter, I think.
Fa. True-What does he do?
Cb. He builds the hip?
Cb. How is that done?
Cb. By fattening the planks and beams together.

Fa. But do you fuppofe he can do this as a common carpenter makes a box or a feet of fhelves?

Cb. I do noe know.
Fa. Do you not think that fuch a vaft bulk requires a good deal of contriveance to bring it into Chape, and fit it for all its purpofes?

C\%. Yes.
Fa. Some flips, you have heard ${ }_{2}$. fail quicker than others-fome bear forms better-fome carry more lad-ing-fome draw left water-and fo on. You do not fuppofe all there things are left to chance!

Cb. No.
Fa. In order with certainty to produce there effects, it is neceffary to study proportions very exactly, and to lay down an accurate fcale by mathematical lines and figures after which to build the hip. Much has been written upon this fubject, and nice calculations have been made of the refitance a flip meets with in making way through the water, and the beft means of overcoming it; alfo, of the action of the wind on the fails, and their action in puffing on the flip by means of the mats. All the fe mut be underftood by a perfect matter of fhip-building.

Ch. But I think I know fhip-build-
ers who have never had an-education to fit them for underfanding thefe things. Fa. Very likely; but they have followed by rote the rules laid down by others; and as they work merely by imitation, they cannot alter and improve as occafion may require. Then, though common merchant fhips are trufted to fuch builders, yet in conAtructing men of war and Indiamen, perfons of fcience are always employed. The French, however, attend to this matter more than we do, and in confequence, their fhips generally fail better than ours.

Ch. But need a captain of a fhip know all thefe things?

Fia. It may not be abfolutely neceffary; yet occafions may frequently arife in which it would be of great advantage for him to be able to judge and give directions in thefe matters. But fuppofe the fhip built-what comes nest?

Cb. I think fhe muft' be rigged.
Fa. Well - who are employed for this purpofe?

Ch. Maft-makers, rope-makers, failmakers, and I know not how many other people.

Fa. Thefe are all mechanical trades; and though in carrying them on much ingenuity has been applied in the invention of machines and tools, yet we will not fop to confider them. Suppofe her, then, rigged - what next?

Cb. She mutt take in her guns and powder.

Fa. Stop there, and reflect how many arts you have now fet to work. Gunpowder is one of the greateft inventions of modern times, and what has given fuch a fuperiority to civilifed nations over the barbarous. An Englifh frigate furrounded by the canoes of all the favages in the world, would eafily beat them off by means of her guns;
and if Cafar were to come again to Eng land with his flect: a battery of cannon would fink all his fhips, and fet his legions a fwimming in the fea. But the making of gunpowier, and the cafting of cannon, are arts that require an exact knowledge of the fcience of cbemiftry.

Ch. What is that?
Fia. It comprehends the knowledge of all the properties of metals and minerals, falts, fulphur, oils, and gums, and of the action of fire and water and air upon all fubftances, and the effects of mixing different things together. Gunpowder is a mixture of three things only, faltpetre or nitre, fulphur or brimfone, and charcoal. But who could have thought fuch a wonderful effect would have been prodiced by it?

Cb. Was it not firft difcovered by accident?

Fa. Yes-but it was by one who
was making chemical experiments, and many more experiments have been employed to bring it to perfection.

Cb. But need a captain know how to make gunpowder and cannon?

Fa. It is not neceffary, though it may often be ufeful to him. However, it is quite neceffary that he fhould know how to employ them. Now the fciences of gunnery and fortification depend entirely upon mathematical principles; for by thefe are calculated the direction of a ball through the air, the diftance it will reach to, and the force with which it will ftrike any thing. All engineers, therefore, muft be good mathematicians.

Cb. But I think I have heard of gnnners being little better than the common men.

Fa. True-there is a way of doing: that bufinefs, as well as many others, by mere practice; and an uneducated man may acquire fkill in pointing a
cannon, as well as in fhooting with a common gun. But this is only in ordinary cafes, and an abler head is required to direct. Well-now fuppofe your fhip completely fitted out for fea, and the wind blowing fair; how will you navigate her?
$C h$. I would fpread the fails, and fteer by the rudder.

Fa. Very well-but how would you find your way to the port you were bound for?

Cb. That I cannot tell.
Fa. Nor perhaps can I make you exactly comprehend it ; but I can hew you enough to convince you that it is an affair that requires much knowledge, and early ftudy. In former times, when a veffel lefi the fight of land, it was fteered by obfervation of the fun by day, and the moon and ftars by night. The fun, you know, rifes in the eaft, and fets in the weft; and at noon, in thefe parts of the world, it is exactly fouth of
us. There points, therefore, may be found out when the fun fines. The moon and furs vary; however, their place in the fly may be known by exact obfervation. Then, there is one far that always points to the north-pole, and is therefore called the pole-ftar. This was of great ufe in navigation, and the word pole-ftar is often unfed by the poets to fignify a fure guide. Do you recollect the defcription in Homer's Odyffey, when Ulyffes fails away by himfelf from the inland of Calypfo, how he fleer by the ftars?

Cb . I think I remember the lines in Pope's tranflation.

Fa. Repeat them, then.
$C h$. Placed at the helm he fat, and marked the flies,
Hor clos'd in fleep his ever watchful eyes, There view'd the Pleiads, and the northern team, And great Orion's more refulgent beam, To which, around the axle of the $\mathbb{f k y}$, The Bear revolving, points his golden eye: VoL. I. H Who

Who flines exalted on th' ethereal plain, Nor bathes his blazing forehead in the main.

Fa. Very well-they are fine lines indeed! You fee, then, how long ago failors thought it neceffary to ftudy aftronomy. But as it frequently happens, efpecially in ftormy weather, that the ftars are not to be feen, this method was fubject to great uncertainty, which rendered it dangerous to undertake diftant voyages. At length, near 500 years fince, a property was difcovered in a mineral, called the magnet or loadftone, which removed the difficulty. This was, its polarity, or quality of always pointing to the poles of the earth, that is, due north and fouth. This it can communicate to any piece of iron, fo that a needle well rubbed in a particular manner by a loaditone, and then balanced upon irs centre fo as to turn round freely, will always point to the north. With an inftrument called a mariner's compals,
compass, made of one of there needles. and a card marked with all the points, north, fouth, eaft, and weft, and the divifions between there, a flip may be fteered to any part of the globe. Cb. It is a very easy matter, then.
Fa. Not quite fo early, neither. In a long voyage, crofs or contrary winds blow a flip out of her direct courfe, fo that without nice calculations, both of the ftraight track the has gone, and all the deviations from it, the failors would not: know where they were, nor to what point to feer. It is alfo frequently neceffary to take obfervations, as they call it; that is, to observe with an inftrumont where the fun's place in the fly is at noon, by which they can determine the latitude they are in. Other obfervatons are neceffary to determine their longitude. What there mean, I can hew you upon the globe. It is enough now to fay, that by means of both together, they can tell the exact foot they are on
at any time; and then, by confuting their map, and letting their compass, they can fleer right to the place they want. But all this requires a very exact knowledge of aftronomy, the use of the globes, mathematics, and arithmetic, which you may fuppofe is not to be acquire without much ftudy. A great number of curious inftruments have been invented to affift in there operations; fo that there is fcarcely any matter in which fo much art and fcience have been employed, as in navigation; and none but a very learned and civilized nation can excel in it.

Cb. But how is Tom Hardy to do? for I am pretty fore he does not understand any of there things.
$F a$. He mut learn them, if he means to come to any thing in his profeffion. He may, indeed, head a prefs-gang, or command a boat's crew, without them; but he will never be fit to take charge of a man of war, or even a merchant flip.

Ch. However, he need not learn La. tin and Greek.

Fa. I cannot fay, indeed, that a failor has occafion for thofe languages; but a knowledge of Latin makes it much eafier to acquire all modern languages; and I hope you do not think them unneceffary to him.

Ch. I did not know they were of much importance.

Fa. No! Do you think that one who may probably vifit moft countries in Europe and their foreign fettlements, hould. be able to converfe in no other language than his own? If the knowledge of languages is not ufeful to bim, I know not to whom it is fo. He can hardly do at all without knowing fome; and the more, the better.

Cb. Poor Tom! then I doubt he has not chofen fo well as he thinks.

Fa. I doubt fo, too.
Here ended the converfation.
They
foon after reached home, and Charles
did not forget to define his father to hew him on the globe what longitude and latitude meant.

## THINGS

## BY THEIR RIGHT NAMES.

Charles. Papa, you grow very lazy. Lat winter you wed to tell us lories, and now you never tell us any; and we are all got round the fire quite ready to hear you. Pray, dear papa, let us have a very pretty one?

Father. With all my heart-Whae. Shall it be?
C. A bloody murder, papa!
F. A bloody murder! Well thenOnce upon a time, forme men, dreffed all alike . . . .
C. With black crapes over their faces. $F$. No; they had feel caps on:having croffed a dark heath, wound cautioufly along the flirts of a deep foreft. ...
C. They were ill-looking fellows, I dare fay.
F. I cannot fay fo; on the contrary, they were tall perfonable men as moft one fhall fee:-leaving on their right hand an old ruined tower on the hill . . .
C. At midnight, juft as the clock ftruck twelve; was it not, papa?
F. No, really; it was on a fine balmy fummer's morning :-and moved forwards, one behind another . . . .
C. As full as death, creeping along under the hedges.
$F$. On the contrary-they walked remarkably upright; and fo far from endeavouring to be hufhed and ftill, they made a loud noife as they came along, with feveral forts of inftruments.
C. But, papa, they would be found out immediately.
F. They did not feem to wifh to conceal themfelves: on the contrary, they gloried in what they were about. - They moved forwards, I fay, to a large plain, where
where ftood a neat pretty village, which they fet on fire . . . .
C. Set a village on fire? wicked wretches!
E. And while it was burning, they smurdered-twenty thoufand men.
C. O fie! papa! You do not intend I fhould believe this; I thought all along you were making up a tale, as you often do; but you fhall not catch me this time. What! they lay ftill, I fuppofe, and let thefe fellows cut their throats!
F. No, truly - they refifted as long as they could.
C. How fhould thefe men kill twenty thoufand people, pray?
$F$. Why not? the murderers were thirty thoufand.
C. O, now I have found you out! You mean a Battle.
F. Indeed I do. I do not know of any murders half fo bloody.

END OF THE FIRST YOLUME,

$n$
MHNPMELCO


