which this gas will at once put out. Fill a bubble with air; let it fall upon the acid gas. It will remain supported - seemingly upon nothing, for the air ir invisible-as long as any of the gas is lett. If you could fill a bubble with hidrogen, it roould bound upward at a great rate; for that gas is the lightest known.
Let us now look at tho colours in our bubble. How beautiful they are, dancing and flushing so fast, changing so rapidly wo cannot begin to count them! But we know that whito light-that is, sunlight-is composed of soven coluurs. They can all be seen in the rainbow.
Lat a beam of light fall upon the bubble. Part of the light passes right through, or is absorbed, and part is at once thrown bark or reflected. The portion of the fim that absorbs all the colours, and reffects or throws back only the blue will appear blue, and so on for all the others. And as the thickness of the film changes, the absorption and reflection of the light changes, so it is that our bubble sparkles with all the beautiful and delicate tints of the rainbow.

Adding more glycerine will make the colouring oven more brilliant. Indeed, our bubbles can be made perfectly gor-geous.-Christian at Work.

## THE CRUCIAL TEST.

T- 7 E EPLY learned, fresh from school, Comes my all-aicomplished daughter vewly freed fromi bookish rule,
ay what wisdom havo thog taught her?
Olugies I care not for.
Mystic science, classic lore,
Sa she be but skilled enough in Homoly arts to toast my ruuftin.

Knows she, as her mother knew,
Recip-s and quaint directious: Horr to bake, to boal, :o brew Dainty syrups, swect confections,
Or, as others of her sox.
Born and nurtured but to vex. Scarcely knows she of snch stuff in Naturo as untoasted muffin?

Hare they trained her to pursuc Pastimes merely ormamental And, with priucoly retinue,
To cxpend a Uothschild:'s rental:
Can she nothing do tut dance,
Paiut on china, dream romanco? Well, rerhaps I grow too rough in Expectation of my mufin.

Come, tinco, pretty maid, at orice
l'rove my jealons frars unfounded ;
Nake me oria mysolf the dunce,
All my gibes or envs groundod.
iet one waraing word believa,
sfind of men can naught conceive
So anconquerahly tough, in

## IUTHER'S COIIRAGE

S Luther drew near the door which was about to admit him into the the prosence of his. judges (the Diet of Worms), he met a valiant knight, the colebrated Georgo of Freudsberg, who, four years later, at the head of his German lans quenets, bent the knee with his soldiers on the field of Pavia, and then charging to the left of the French army, drove it into the Ticino, and in a great measure decided the captivity of the king of France. The old general, seeing Luther pass, tapped him on the shoulder, and ahaking hishoad, blanched in many battles, said kindly: "Poor monk, poor monis! thou art now going to make a bolder gtend than I or any other captains have over made in the bold ast of our battles. Bat if thy canse in just, and thou art sure of it, go for-
ward in God's name, and fear nothing. God will not forsako thee." A noble tributo of respect paid by the courage of the sirord to the courago of the unini. - Merle D'Aubigne.

## THE FRESH-AIR FUND.



HE sketch and pocm explain the story of Little Dot, given in a late number. Close by the river, at the foot of a dismal street, stands a big shod, in which eightoen families cat and sleep. It is a quarter of New York where decent people are soldom seen. On overy side thero are shantica and rookeries, and the air is heary with sickening smells from slaughterhouses. Dirt is every where: a foul ooze of garbage and standing -ater in the guttor; solid layers of dus. $i$. dark entries which are never scratched by a broom; heaps of unclean straw serving for pillow and bed in the clcsets which are known as bedrooms; and thick coatings of grime, ancient and modern, on the hands and faces of the children swarming about the door-ways, 95 well as in the shreds, tatters, and patches with which they are scantily clothed. The midsummer sun heats up the pilos of reluse until they steam with foul vapors, which are caught up by the windows ; and when the doors leading into the halls are opened for a draught of fresh air, there is a stifling sense of closeness and dampness, which makes the babies sneeze and the mothers cough. The long wooden building, with its three floors and rickety staircases, is so unsteady and tottering that one who watches it in the noontime heat of a July day fairly holds his bresth, expecting to hear a sudden crash and to see its ragged roof and dingy walis fall to pieces, disappearing in a cloud of dust.

That unly shed is known as "The Barracks." Rubbish heap though it be, it contains within its patched and slimy shell eighteen homes, with as many as sixty children. On esch of its three floors there are six families, and no household has more than two rooms, one of them being barely larger than a closet, and as dark as night even in the dsy-time. In those two rooms the cooking and waghing for the family are done, and at night the father, mother, and sometimes us many as six or eight children, have to aleep close together, like eardines in a box. "The Barracks" is bat one of the hundireds of tenewont houses where the children of the poor live all the pear mound."

The children in these tonement houses alpays look older than they really are.

The childhood which scconds with their years, if not with thoir faces, can not be permanently restored to them, for poverty is their birthright, and every season brings with it privations and misery. But if they can bo helped to be children for two weoks in tho year, the memories of their holiday and the ronewed bealth which it gives to them will make them younger as well as healthier and bappier. If, when the scorching midsummer san falls with a white glare upon the thin roofs and flimsy walls of their tenement homes, the children can be taken out of the narrow closets where they aleep, and the steaming gatters where they
swarm like big black flies, and eet
down in the centro of the chillinen's play-ground, which is the country, a now glow will be kindled in their cheekr, and they will be the children they were meant to br-mot littlo old men and little old women.
Nom, this is the work of what is called "The Tribune Fresh-Air Fund." People who are rich or havo moderate means furnish the money for the chit. dren's travelling expenscis, sending it to "The Tribuns" nowspaper. Iast summer thero wero more than fifuen hundred generous persons, many of them children thomselves, who gave money for this purpose, the contributions amounting to $821,556.91$. With this sum, 5,599 of the poor chis inen of Now York were taken into the coun try, given a holiday of two weeks, and carried back to their tenement homes. While their travelling expronses were paid by the contributors to the Fund, the children were the invited guests of farmers and other hospitable people living in the country. During the spring, seventy-fiva pablic moetings wero held in as many villages in Now York, Connecticut, New Jersey, Massachusetts, Vermont, and other States, and arrangements wers made with committoes and clergymen in as many other localities; and when the kindhearted entertainers in the country were ready to receive them, the children were sent out from the city in larga companies, and distributed among the villages.
Tho manager of the Fresh-Air Fund is Willard Parsons, a bachelor clergyman, who has adopted the poor children of New York for his own. Hale and hearty, with a ruddy tace and an oye twinkling with good humour, he has a heart brimful of kindness for neglected children, a d the energy of twenty men. He it was who devised this simple and effective pian of entertain. ing in the country the poorest of poor children living in Now York and Brooklyn. The experiment was tried six years ago, when ho bad a country parish in Pennsylvania, and uow he is making this the business of his life. The first yeer, sizty children wero taken into the country. Last year, 6,000 children had an outing in green fields and pastures new. It is a charity as popular as it is beautiful, for every heart is touched by the sorrows of neglected ohildhood.-St. Nicholas.

## A BEAUTIFUL CHARITY.

減SUMMER moming, cool and fair; A whia -tr soft in the sanny air, And a sound of rippling laoghter. A distant patter of dancing feet; choras or cager roicco atweet
And a happl silenca after.

A motler, menry crowd of youth, With garments ragsid and worn, forsooth, But never a step that lingers. Lads and larses in laughiog hands, Babies that hold to guiding hands,
With clinging, anxions fingers.

Faces merry, or grave, or sad, Lut up with oxpectiation glariAray from dust, and nuise, and heat, The Guating citr's narrow stret. With croxded life $0^{\circ}$ erflowing.

To sunay figlds of dassied grass, Where cool the fitfal brecres pass Abore tho llossotal leaning. With binds Thoy learn the кaramer'a meaning.

Onder tho wonderfol blue sky,
The raighty arme of troe wips high,
in greea moads erchios over;
 AnJ terlas uf lurle clures.

On sundy wheras leade the sea,
And denciaf riptranhern:
11 hirte whypering arll orpat ther tale Thim revau thutalres ats the dalr,
To ring cant that lintea
Sorrourfal, riatful. pationt priv suw brisht with raptunous surpr
I'r soft with hajis monder.
Aall ch. Ko as whin an tho rinter knome Minsum in tints of bmwn and nose.

The aummer annshitic uti-Jer.
 Her -hencerst giths of all imparte. Thoir carrful thoughts leveuiling: She brasthes ber mecyels in thers estsThert eyes for, it the amart of teurs, Aud catch the treck of smilag.

They learn awret lesoons, day by day Whilo spend the wingel houra niway, In kray and kuldeu wrather:
They find, 10 fower or litid or iren, Fainit gh-amy of the Imatifal mystur That clangu the world togrther.

Ferchance some serinus, chu! lish eyrs
Cpilfted to the starlit skima,
A caul three a strange, new story
Tbe round world gafe, and oier it folds
The mantle of His glory.
A listant paiter of dancing feet,
A chnrus of hapigy voleces atreet
Glail vijces, nise thringh sll the land
Glui voiced, nso through sll the land!
Reach out, each little sunlurned hand.
In greoting warm and iender.
l'o those whose thoughtful hearts and trio Hare hightenal loringly, for you,

Your porerty's intlicion
And on ard helplul uplirit be
For this-the lovely chanty-
The childrea's benediction !
-S. Niichotas.

## BIRDS AND THEIR NESTS.

$5^{5-0}$IFFERENT appcies of birds have their distinctive ways of bailding. For instanco, the common wren luilds a nest like a ball, with a side entrance, while that of the golden-crosted wren is lat, open on top, made of moss, covered with leures, and linod with feathors, bair, and wool.

The saucy little house-rparrow builds its nest under the eare of a house, and the hedge-pparrow chooses the fork of a spreading bush

Among the wearer-binds-thoes which form the materials into a coa $v$, fibrous tissue-are the tailor bind, whose nest is placed in a largo leaf, the sides of which are sewed togethor, and the orioles. The Baitimore uriole makes a pouch, and surpends it from the apper branch of a shrub or troo; but the nest of the crested, New World oriole, is of dry grasses, woren into long sacks, increasing in size toward the hottom, with an clongated sideslit. Theoe nests are somotimes two jards long, and hang from troes. Although the opening is small, the bind has no difficulty in entering whilo on the wing.
The sociable, or republicsn bird, resembles a sparrow. Large numbers unite and form immense colonior Their dwellings rosemble an ojen umbrella, baving the trunk of a treo for the handle. The cells are arranged round the edge, sometimes to the number of three bundred. Theso nests are so bespy that a cart, with many men, has been employed in transporting ono of their colonies.

Listening to thass little songstors, and observing their wonderfal wajz, how can wo ever raise tho hand of |craclty against them ${ }^{9}$

