on the other side. Stamps with the letters set with points, 'are usod by the blind to press through the paper; and in this way they are able to write a long letter upon a sheet of paper, to write the address by the same peans; and when they have finished, they can read with their finger all that they have written. At first, when the blind addressed their own letters, it was feared that the postmen would not be able to read the address; but in this they were agreeably disappointed, for the letters went from one end of the kingdom to the other, with as much accuraey as if they had been addressed in the common way. There has been no instance yet known of their having miscarried. It is exceedingly gratifying to the blind to be thus enabled to correspond with their friends, and to receive letters which they can read without assistance. They are also in the habit of writing poetry and private memoranda, in which they take great pleasure. The frame upon which the writing is performed, is very simple, and costs about 5s. The wooden stamps cost about 6s. 6d., ard the box for holding them arranged for writing, costs 3 s .6 d . ; so that the expense of the whole apparatus is about 15s. This is the most expensive part of the apparatus for the blind; but when once furnished, it may last for life, and is a source of much pleasure and convenience, as it enables the blind to print their o:m tooks, and esen to print music, as we shall afterwards show. The other mode of writing by the blind is by means of an instrument called a Typhlograph, the invention of Mr. Gall's son. The writing is done by a pointed pencil on paper, in a current large or small hand. The instrament used in the process consists of a board, a guide, and a slide-rest-the object of the apparatus being to guide the hand, and cause regalarity. It will be comprebended that the writing so executed can be read only by those who see. A blind person writing for the press would follow this plan.

Professor Saunderson, teacher of mathematics in the Unirensity of Cambridge, who was blind (see his bingraply in the 61st number of the Joarnal), invented a table for himself, by which be con!d cast up accounts. It consisted of a surface cut into squares, with grooves between, which crossed each otiber. Each square had uine holes, and according to the hole in which a pin was pat, so was
 Fiaes, upwards, and also sideways, and eac! rejresenting one figare, he was able to perform all the rules of arithmeac by its means. An improvement has been made on this plan; but it has not been found to answer the purpose so well as the simple process of computation by pins, also invented by Mr. Gall, jumior. All the apparatus now required by the blind to cast accoants, consists of a quantity of ordinary pins and a cushion; if a cushion be not at hand, any soff substance, such as the seat of a chair, a bed, a carpet, or the sleeve of a coat, will be sufficient. The ten figares and cheir combinations are represented by pins stuck into the cushion-the way in which the head of the pin points or projects being indicative of a number. For example, 1 is represented by the piustack with its head pointing from the person, 2 by its pointing to the right, 3 by its pointing towards the person, and 4 by its pointing to the left ; $5,6,7$, and 8 , are respectively represented by two pins close together, pointiug variously in the same manner; 9 is two pins with their heads projecting apwards, and 0 is one pin projecting upwards. A very little practice is sufficient to imprint the value of these tangible signs on the memory. In business transactions, the pin notation will be found to be most valuable to the blind. It occupies the place of a scroll journal. Every castomer has a smáll cusision appropriated to his accounts. These cushions have a loop of tape or riband sewed to the corner by which it is to hang. This loop fixes the position of the enshion, and is aiways supposed to be at the top, on the right hand. The person's name being written with the stamps on paper, is pinned to the centre of the top; and when an article is to be charged against him, the name of the article may either te writtea in the eame way, or indicated by peculiar combinatiope of pins. The Hind ought always to be taught book-keeping: This
is done first by making them cast the accounts on the cushion, and then copy thom into the cash-book or ledger with the stamps. The pincushion is the universal album of the blind. Not oniy aro the arithmeticul figures represented by its means, but any kind of diagram may bo represented to the touch. In forming dingrums, the pins are thrust into the cushion to tho very head, in lines correspouding with the shape intended to befoit. The houds of the pins, therefure, are the only parts which are felteach head represents a point, and a succession of them represents a line. It is necessary to havo a pair of nood en compasses for the forming of geometricai diagrams. Instead of the limbs terminating in points, as in other compasses, there is a small nick at each extremity, into which the pin is placed before thrusting it down The sides of the limbs are straight-one of them having slight grooves cut at regular distances, for making straight lines by rows of pins; the other having the grooves cat at distances of half an inch-every alternate groove being distinguished by a larger indentation at the top.

The pincushion is found to be an invaluable apparatus in the school and study of the bind. Young persons may be taught to read by it, for every body knows how ensy it is to form letters by heads of pins: a knowledge of writing tasy be communicated in the same manner; memoraudums may be made, diagrams drawn, and the outlines and relative distances of geographical objects communicated, all by means of a simple custion and a peanyworth of pins.
I: is of considerable inportance to have a plau by which the bliad may te taught music scientifically. Hitherto they have acguired a knowledge of tunes entirely by the ear, and retained a recolicetion of the notes by the memory. We are happy to say that this delivieney is now obviated. The blind may now sing manic from the book, almost as admantage ousty as if they had the use of thoir eyes. The notation fur them is not hy dots mad live paralle lines, that being too comples an armagement. A new notation has been invented, so sitmple that any one could understand how is sing from it with only one icsson. The notes are represent by the nambern $123+5$ 6 7. The "rest'" is represented ly a 0 . 'To give an indea of time, points are used after the figures; one point doubles the times of the sin ple fgute; iwo points multiplies it by four ; and three points matiphes it by eight. If more than this Le requared, a bine atter the firgure indicates four of the points, and one, of two points, ang follow it, so as $t 0$ matiply the time of the simple digure by sisth-four. For a hullaccount of thes very-jpteres os branch of chucation for the blind, we must refer th the authority undor mentioned, from which we have gleaned these particalars: it may be enough here to present the fullowing example of the uotation of part of a well-kiown tune in church music :-

| 1. | 1 | 7 | 6 | 5 | 1. | 2. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| All | peo-ple | that on | carth do | dwell, |  |  |
| 3. | 3 | 3 | 2 | 1 | 4. | 3. |
| 3. | 2. |  |  |  |  |  |
| Sing | to the | Lord with | cheer - ful | voice. |  |  |

Music of this description may be primted with the types ased in the books for the blind, may be written with the stamps or typhlograph, or auy be represented by pins un the pincushion.
We kave now presented a fuithful though very imperfect account of what has lately been done to facilitate the school education and general instruction of the blind. We should, Lowever, be justly accased of negligence, if we omitted to mention in conclusion, that the great moving spring of action in the various improvements carried into effect, has been Mr. Gall of Edinbargh, the gentleman already alladed to. For althongh his success as the founder of a permanent literature for this helpless portion of his fellow-creatarer, has laterly raised up severat labourers in the same field, it is worthy of remark, that his operations were complets, if not perfect, several years before the pablic mind could be sufficiently roused to perceive its importance, far less to excite competition.
the education of the blind, and literature for their use, little progress would as yet have been mude in this groaz work oil charity und mercy. And we sinceroly hope that his exertions will ultimately be ruwarded as thay deserve. - A lute number of Chambers Journal.

Kiming an Aldigatoz-Oneday, while wo lay at anchor, I witnessed one of the most magenious ways of killing an alligator shat could be imagined. One of these huge creatures was discovered basking on a bank in the river, a short distance ahead of our vesesels. He was observed by two natives in a canve, who immediately padalad to the opposite side of the bauk, and having landed, crept cantiously towards him. As soon ns they wore near the anmal, one of the matives stoul up from his crouching position, holding a spear about sis feet long, which with one blow he struck through tho animul's tail into the sand. A most strenuors contedt immediately ensued; the man with the spear holding it in the sand as firmly as his strength allowed him, and clinging to it as it becnmo ne cessary to shift his position with the agility of a monkey; while his companion occasionally ran in as opportnnity of fired, and with mach dexterity gave the animal a thruat with his long knife retreating at the name momem from within reach ofits capacious jaws as it whirled roand upon the extraurdinary pivot which his companion had so suce cessfully placed in itstail. The batle lasted about halfan hour, terminating in the slaughter of the alligator, and the teiumph of his couquerors, who were not long in cutting him to pieces, and loading their canoes with his flesh, which they immediately carriod to the shore and remited to $t h$ ar countrymen. It is evident that the surcess of this plan depraded on the nerve and dexterity of the man who ;inned the animal's tail to the gromad; and his cumortiona and stragytes to keep his position were hinhly ridiculow and entertaning-Laird and Oldiald's viurrative of an Exjetana abothe interive of tiricu.
 ce? with the singular ireak of the young man whon mado a totery or hanselt: The fullowing han bera the dineuement of this ingentots spectation, for the truth of which a prorima cial jourtal rifers ta to the cival registry of lyons. The draving took phace in the fairent manare possible, in pro-
 phratic B., a young bady of forthat: at ley ots woa the young man. A ranghar incalent oce nered after the deawing had been decided. The yoting ledy was still namare of har owr grod forsum, when one laorming a lady waited upon her in a ceate of most panfal critemer. "Eave my lifo, Mademeitele." "How:" " Cerdic your ticket to me." "What ticket:" " 'he lothery ticket-the ticket for the young man." "Oh, I had gute forgnten is." "Then, know, Mademoiselle, that I love him-that! adore him. I had taken 20 tickets: it was asmach as my means would allow of my doing. My tickets are all blanks. Yours is the only prize. Cede it to mos or you will cause my death." "Matam," replied Madomoiselle Euphrasie, "there is a written chase on the tio: kets that if the young man should not please me, of if 1 should not pleaso the young man, wo aro to divide the 200,000 fruncs, and not to marry one another. This chance remains for you: as to my ticket. I shall keep it." An hour afterwards the prize young man presented himself to Luphrasie; they were mutually antisfied, and lont no time in binding the conjugal knot. The Indy who hed beren so anxious to obtain the transfer of Euphrasie's tioket was a widow of Careassone, and is snid to have der troyed herself. The young couple united by lottery are spending their honeymoonat Narbonne-Constity tionnel.
A Cavilefer Silenced.-A Aippant claticter, aflop having spoken slightingly of the miraclea, to Dr. Porr, exre claimed, "Well, but doctor, whet think you of the madr.; of the crose upon the asa's buck, whieh they say indicates the precise spot where the animal way smitten by Baluen: "Why, sir," replied the doctor, "I any that if you had ad little more of the crons, and a good deal lese of the ase, wrould be winch better for your."

