Examples: As 305 days on $A$ is to $\$ 0.40$ on $F$, so is 10 ns a 100 days on $\Lambda$ to 81.75 on $F$, aud so is 10 on $A$, as 1 day, to 81.75 on $F$, and so is $10^{\circ}$ as 10 days on $A$ to $17 \frac{1}{2}$ cents on $F$, and so is 20 days on $A$ to 35 cents on $F$, and so is 60 lays on $A$ to 10 cents on $F$, and 04 days on $A$ to 81.12 on $F$.

Rudre.- When the amount to bo divided is less than the number of days in the year, take 365 on $F$ and bring it in contnct with the porpendicular of tho amount to bo divided n" A. The diays on $F$ will cut dollars and cents on $\Lambda$, viz., as 305 on $F$ is to 83 or 300 conts on $A$, so is 10 days on $F$ to 8 cents on $A$, or $a 100$ on $F$ to 80 cents on $A$, sic., sce.
We havo bere selected 8 per cent. to retain the position of index, any other rate is equally simple.
To find the superficial contout of a board or plauk, the length in feet, and breadth in inches being given :
RoLe.- When the breadth is more than 12 inches, take it on $F$ and bring it in contact with the perpendicular of 12 . Tho gauge point on $A$. Then the perpendicular of any length on A will cut the superficial content or answer on F. (The index 100 on perpendicular of 80 on $\Lambda$ ).

Examples: Require the superficial content in square feet of a board 15 inches wide and 20 fect long.
As 12 inches, the guage point on $\Lambda$, is to 10 inches on $F$, so is the length 20 fect on $A$ to 25 feet on $F$, nnd so is any length on A to content on F.
The operator cannot fail to see that any breadth on 5 may be brought in contact with 12 , the guage point on $\Lambda$, and may take any length on $A$.
When the breadth is less than 12 inches:
Rule Ir. - Bring the 12 on $F$ or index in contact with the breadth on $A$. Thea any length on $F$ will cut the perpendicular of the answer on $A$. In this position, 12 on $F$ cuts 90 inches on $\Lambda$
Then as 12 on $F: 96$ inches on $A:: 20$ fect on $F: 16$ fect on $A$.
Note-Here the operator cannot fail to see that 12 on $F$ may be brought in contact with any breadth less than 12 on $A$.
To find the solid contents of a pieco of square timber, whose sides aro 15 inches deep and 20 feet in length:
Ruif. I.-Proceed as if one side were a board, then repent the operation, using the result or superficial contents of one side as length in the secone operation. This last result is the solid or cubic contents or answer.

Example: As 12 on $A$ is to 15 inches on $E$, so is 20 feet on $A$ to 26 on $F$, and so 25 feet on A will give $31 \frac{1}{y}$ solid fect on F.-Ans.

Rule II.-When the depth of side is less than 12 inches, use Rule 1I. for board measure and repent-without changing index -the operation as before.

When it will be as 12 on $F$ is to 9.6 on $A$, so is 20 on $F$ to 10 feet on $A$-: and so is 16 fect on $E$ to 12.75 on $A$-the answer Any depth in inches may belrought in contact with 12 on $A$ or $B$.

When timber is unequal sided: Rule-Bring the depth of one side to the in on $A$ or $F$, as the case may bo; find and note the result. Then bring tho depth of the other sido to 12 as befere, using this last result as length in the next operation. The result will be the cubic content or answer.
To find the cubic content of round timber, the length and di. ameler being given:
Rules-Procesd as in the case for square timber, using the diameter as if it were the depth of a side. Find and note the result. Then move the index to between the perpendicular of 78 and 79-nearest to 70 -then the a 0 oresaid result taken on index will give the cubic content on A. Note that, while the index is in this position, the square of any diameter trken on index will give the area of such circle on $A, \& c ., 8 \%$.
To find the number of acres in a plot or piece of ground, the dimensions being given in rads:
As an acre containg 100 rods-the 10 th division on A may be assumed as a 160 or guage-point. In this position of $F$, we find the 16th division.-As 160 on $A$ cuts 20-as 20 rods on $F$ for one side of field or piece of land: then as 100 rods on $A$ is to 20 rods on $F$, so is 20 rods on $A$ to 25 acres on $F$, and 50 is 30 rods on $A$ to 3.75 acresi on $E$, and while the index is in this position, any length on $A$ is to acres and tenths on $F-a$ tenth $=10$ rods.

When the dimensions are given in links:
Rure.-As 100,000 links are contained in a acre, the 100 on $F$ or the 100 on side 3 may readily be assumed as 100,000 links. In this position of $F, 100$ on it cuts 80 on A. Then 282100,000 linke on- $F$ is to 80 links on $A, 8080$ links $F$ to 004 of an acre on $A$ or 1024 rods; and as 100,000 links on $E$ is to 800 links on $A_{\text {, }}$ so is 80 links on $F$ to 04 on $A=$ to 102.4 rods, and as 100,000 links on $F$ is to 800 links on $A$, so is 800 links on $F$ to 6.4 acres on $A$-and so is any number of links on $F$ to acres and fractions of
geres on A. When the dimensions are given in chaing, 10 s.auare chains make an acre. The 100 on 15 assumed as 10 . Then is 10 chains on $F$ is to 8 chains on $A$, so is 8 clanans on $F$ to 6.4 acres on $A$; and as 10 chains on $F$ is to 80 chains on $A$, 80 is 80 chains on $E$ to 040 acres on $A$, and so is any number of chains on $F$ to acres and fractions on A.

To find the aren in acros, \&e., of a triangular field, two sides aud the contained angle being given:
Rore.-Set tho index to the given angle on are. 'Hake the groater side on $\Lambda$, the less side on $F$. $\Lambda$ perpendicular will bo found ready rockoned on 13, from the end of the less side on F , to fall at right-angles on $A$. IIalf that perpondicular, multiplied by the base, will by the foregoing rules give the area.

## COFERESPOINDIENCR.

For the Journal of Education.

## FEMCALE TEACIING.

WIERE is a disposition to undervalue femalo teaching. To get a male teacher is a first consideration; if this cannot be, if the people are poor and humble, and if the trials that arise from such causes are to be ondured, then only the people can think of a female teacher. IIave the friencu of right, and the keen dis-cri- -ination of providential arrangements, considered these conclusions? What place does the women occupy in the family? Who docs not know that in the most important institution in the world, Home, woman's mind is the governing power? Who does not know that all minds receive the first training, the first direction, the first noble, gencrous pulsation of future ambition, under tho moulding and elevating authority of the female? Take from our homes this female training; take from society, generally, thas clement, and what are our homes or what our country? There is a part of the great system of instruction in which woman towers immensely above man. The teacher's office is specially suited to women-who are natural edncators. Tho question is often asked, Why this disparity in the number of the soxes who teach? The $\mathfrak{a}^{\text {nswer }}$ is obvious. Females in far larger proportions are suited to tho work, and from a consciousness of their adaptation to it continue to teach and love tho profension, while by far the greater number of malcs, conscious of their want of adaptation to the work they have assumed-not chosen-quit the profesaion for something more genial. The disparity between the salaries of male and female teachers, must often arrest the attention of think ing persons. When it is stated that, for the same labor, females recoive less pay, though that labor may be as well, if not better, performed, we are compelled to feel that an aspersion is cast upon our sex, from which our past history and present influence ought to save us, and if it has any meaning at all, is a sad commentary upon the chivalry and gallantry of our countrymen.
Much of the work that is done in our school-rooms, is done better by women, simply because, from the constitation given by the All-wise Croator, she is better adapted to do it, and it would be woll for the school system of our land, if the feld of female labor, as teachers, were onlarged. I am quite sure that many of our County Acadenies and Sunerior Schools would receive a now and upward impulse if some of our active, energetic female teachers were placed orer them. In other places, experiments in this direction have been made with eminent satisfaction. Bat, in any case, I contend that when the same Tork is done by femaled and done well, they should have the same pay-anything short of this is unfair and unjust, for in the influence woman has exercised, she has assuredly won for herself this consideration. Eier supremacy as teacher in the United States is felt and confessed in every Statc. It is growing in the parent country, and in this our native Province it is 80 apparent that we may justly draw the notice of the Govemment to tho fact above stated, and inquiro why, when we do the same work, and do it well, we shonld not receive the same generous consideration for our toil and influence in the great cducational ficld.

These reflections hare long been in my mind, and I had hoped to see some of the stronger sex find this same train of thought and present them to view. As jet I have waited in rain. And now, though it is incongenial to my feelings, I send them, asking that they may have some spare corner of your excellent Journal, and by giving them such a place you will much ohlige

A Female Tfacher.

