

## THE AGITATOR.

## $\frac{\mathrm{V}}{2}$

## THE BOMDMAD.         <br> $\qquad$ <br>  <br>  <br> 

WELLSBORO, TIOGA COUNTY, PA., THURSDAY MORNING, SEPTEMBER 9, $1858 . \quad$ NO 6.
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    Silici
    
    

    Telegraphic Instraments.

    ## As the electricians are supposed to be ex. perimenting at Trinity Bay and Valentia, wiht the various recording instruments in ues

    wilh the various recording instruments in use,it is of interest to know what are the chief
    diferences between them
    Tro Morse Insirument, in common' use
    from the frrst in this country, transmiss
    messages by the atternate breaking nod reThe Morse Instrument, in common' use
    from the frrst in the country, transmits
    messages by the alternate breaking nad re-
    connecting of the electric current. The cur-
    rent rent alling of the electric current. The cur-
    rentow a moment produces a
    dot, if a litile longer a line. The operator
    taps on a single key, and the messares ate laps on a single key, and the messages are
    recorded by an aphabet composed of a com.
    bination of lines and dots, thus: .... .. In the hands or an expert, the speed or this
    instrument is about wenty words a minute. The Cook and Wheass:one insirument is used in England. A needie on a dial plati
    tevolves, pointing out the letters, which are
    inset
    ibed around the circumference like the hours on the face or a clock. This is a
    much more intelligible procks to outsiders, but it is slow, arccomplishings, ot the outsiders, fastest,
    only about fourteen words a minute. The House Insirument prints the message
    in Roman capitals on a long stip of paper,
    by the revoluon of a tpe whel, the opera.
    tor playing on a key.board like that of a tor playing on a key. board like, that of a
    piano, with a key for each letter. The prin.
    hing is done by clock-work, the use of ithe
    electric current being to prese electric current being to preserve equal time
    so thal the letters or one machine may cor-
    respond to those of the other. respond io those of the other.
    ment prints twenty five to thirty words a
    minute.
    The Hughes Instrument is a combination of the Morse and Hows onvalions. In the
    Morse Instrument, two or three pulsati,ns of
    the electric current are required to indicate one leter. In the House Instrument, in re-
    quires from one to twenty-eight pulsations.-
    In the Hughes Insirument, it requires but a In the Hughes Instrument, it requires but a
    single pulsaion for each leter. The me:
    chnnism by which this is accomplished is simple, though the principle on which it is
    pased is complex. The type wheels at the
    respective slations revolve to print the mes respective slations revolve to perint the mes-
    sage, and their revoluions are governed by vibrating springs. These springs caused thy
    to revolve in exaclly the same time, There is an acoustis principle involved, viz : that
    two spring which give the sme muscal
    tone while vibrating, vibrate the sume number of times per second. The springs are there-
    fore chosen and regulated by sound. This
    instrumen, it is evient, economize both
    time and elecric pover.
    its exceeding time and elecric powser. Its exceeding sen.
    sitiveness to the least perceptible pulsation of
    the electric. current adapts it especially for long lines and submarine cables. It is cn-
    pable of writing forty words a minute wiih
    about one.tenth the ballery power of other
    instrume At least, so its inventor claims, and it
    be tested on the Allantic cable.-Al.

    ## The Young Men

    The N. Y. Expresss louches, in an inimi-
    table manner, a very delicate sulject in the fullowing parayraphs. They should be read
    and pondered upon by all classes of readers: "Our young men are a painful study. As
    hey lounge about the streets with bold, leer. ng faces, poisoning the air with oathe, or
    shirl mady along, behind lashed horses, or oom up dimly amid the smoky glare of haunts
    of folly, sin and shame, it is sickening to think
    hat with them rests the future of ry, and in them lies is hope. lt is no won-
    er that he hears of fathers and mothers
    nd sisters are filled wih dread and grief. ice to the young man is to go into "ladies
    ociety." The advice is good. There is positively safely for him in the society of a
    modest, genile, kindly and sensible girl.,
    Thene is comparative saffy for him in the company of a vain, giggling, tifining girl.-
    ".TTe most empty-headed and empty-heart.d for him than a cursing, tippling fellow, who
    hinks mainly of all manner of silliness and
    sin, and will travel fast, alliough hell yawns sin, and will travel fast, al hough hell yawns
    at ihe end or the road. Yea, your yo...ng
    man's salyanaion is in he sweet smile and
    voice, the beauiful graces and accomplishments of some fair creature, altracive alike
    in mind and body. But your young manion
    diare not go and see a yrung woman he fan cies, and make a friend and companion of
    her. Will not all the Mrs. Grundies think
    and sny that it means some:hing and imit. heir suspicings loud enough wor the whitper
    including the respective families of the youn inclucing the respective families of the young
    persons- to hear them? In ont your young
    man a iri, teaserat fellow, in whom hore
    is danger, if he is in kown to alf a dozen girls at the same time? Hay
    oot this fine propriety which pervades mur noulaw ry and sornething vo to do with the terrible
    oous of the young mon?
    Has not rigid, ghasily eligurue driven them
    from from the parlor to the rum shop and worse?
    In the days when some of us were boys and girls, it was not a prosf that wo young pen-
    pile were nagaged to be married, that thy
    were often together, happy in the interchnore of interest and sympathy and all kindly feet.
    ing. And sumehow there were better toys
    ihan there are now; and girls, too, for that

    ## During ah examination, a medical staden being nsked the question, $\cdots$ When doas mar ufication ensuc ;" replied. "W/ whication ensuc ;" replied. "When you pop the question and are answered 'No."

    He who turns spy fir plennare would no