W
HILE in New York reanny ad.
jusing the wase seale for motor-


fact that the satety valver of on cleotring
system are its fuses, and it is matiny at thrse pointe that danker from mre call be with licembuntibis these foses ary como With incemburtible material so that w pear, where, then, does the danger the? and fives oribingte of thesp points. Eitut the deren the sevarost of tostat before they ean be used as at reliabie elestrical device
this respect manufacturers more than the mark. Whas, thon, 1s left? Some sil
the wooken moulaing catches nirc, but $1 /$ is fireproofet. The report of the committ Journat of the Franklin Insttute on
$\qquad$ of conthesration, but when we tear of requiressents of an ideal fircprooting atance, bse citad by bim and applied in
tice by his metheds, to make wood resfatant," even this risk disappeara.
An tacal bireproonnk subatance reliable moulding is subjected must awien
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$\qquad$ munity can ofer. It is the satest bulling of hygtenic and engineering accomplish-ments.-Electricity.

New Field for Electricity
mill is in operation in upper sheenial The phat hactudes three groups of threw-foot light mills, each having an independent atternating current of 5, vol volta is recetved by an induction motor of wothorse power volts by a motor generator with a capacity ranging from 500 kilowatts normal to 1,00 revolutions varying from 3 S to man mer of The variations in the demand of the work are equalized by a twenty-ton cast-steel ily wheel. in the three rolling mills aro of cishteen-inch rolls, making singlo stand revolutions, a medium train with two to of fourteen-meh rolls and 150 to 230 revotio thons spred; and a small section mill with seven stands of ten and a half-inch rolls, Whe from 300 to 46 revolutions a minute. and the medium trains are or rouglinis average and 60 masimum horse power an eight-ton fly wheel. The small section mill has a motor ramsing between 300 and The roughing mill takes steet blooms s114 inches aquare, which can be tinithicd to bars 200 feet lons, bur, as a rule, the blooms are only weduced to est theless square and then sheared mito engths for finishing in this
smaller mills, which roll bars up to 130 rect in the mediun and 255 in tha smah


