#### FUEL COST AND MECHANICAL DRAFT.

The possibilities in the way of reduction of fuel cost in modern boiler practice by the introduction of mechanical draft are well exemplified by the accompanying results obtained at the United States Cotton Co., Central Falls, R.I. This record covers a

| period of fifty-two | wecks.         |           |
|---------------------|----------------|-----------|
| Number of hours r   |                |           |
| Average indicated   | horse-power    | 1,543.8   |
| Coal.               | Pounds burned. | Cost.     |
| Buckwheat           | 6,074,400      | \$7,316.8 |
| Anthracite coal     | 1,173,826      | 800.3     |
| Cumberland,         | 565,906        | 836.0     |
| m                   | 7.014.400      | 502 050 0 |

| Cost per ton    |          | <br>\$2.29 |
|-----------------|----------|------------|
| Cost per 1 h.p. | per year | . 5.80     |

COMPOSITION OF MINTURE.

| Buckwheat       | cent. |
|-----------------|-------|
| Anthracite dust | 41    |
| Cumberland 7    | "     |

100 per cent.

of a low grade mixture costing only \$2.29 per ton, the burning of which has been rendered possible by the introduction of mechanical draft. The draft of the chimney which was previously employed lacked the intensity necessary for the free combustion of this fuel, and as a consequence it had been necessary to uso Cumberland somibituminous Coal.

This record covers a cocks.

The plant consists of three Babcock & Wilcox boilers of 325 rated horse power.

1,543.84

Cost.

6,074,400 \$7,316.89

1,173,826 \$800.34

1,173,826 \$800.34

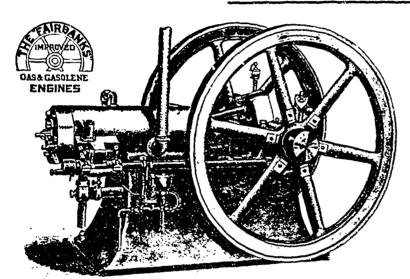
1,183 \$8,953.23

The plant consists of three Babcock & The installation of the fan, costing less than \$600, brought about an annual saving of no less than \$6,500 in the fuel bill. The fan, which was built by the B. F. Sturte-correction of the fan costing less than \$600, brought about an annual saving of no less than \$6,500 in the fuel bill. The fan, which was built by the B. F. Sturte-correction of the fan costing less than \$6,500 in the fuel bill. The fan, which was built by the B. F. Sturte-correction of the fan costing less than \$6,500 in the fuel bill. The fan, which was built by the B. F. Sturte-correction of the fan costing less than \$600, brought about an annual saving of no less than \$6,500 in the fuel bill. The fan, which was built by the B. F. Sturte-correction of the fan costing less than \$600, brought about an annual saving of no less than \$6,500 in the fuel bill. The fan, which was built by the B. F. Sturte-correction of the fan costing less than \$600, brought about an annual saving of no less than \$6,500 in the fuel bill. The fan, which was built by the B. F. Sturte-correction of the fan cost of \$5,500 in the fuel bill. The fan, costing less than \$600, brought about an annual saving of no less than \$6,500 in the fuel bill. The fan which was built by the B. F. Sturte-correction of the fan scool of th

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