

- WIRE ROPES. -
R. S. Newall & Son,
LIMITED.

(Founded by R. S. NEWALL, F. R. S., original patentee.)

MANUFACTURERS OF ALL DESCRIPTION OF
WIRE ROPES FOR MINES,
TRAMWAYS AND OTHER PURPOSES.

19 EXCHANGE SQUARE, GLASGOW.
 WORKS, Washington, - - - - - Co. Durham, England

THE CAPELL IS THE FAN
 —For the **COAL TRADE**
BECAUSE

- (1)—It allows of easy operation, working a larger area than any other fan.
- (2)—It will clean out dangerous and insupportable dust from a mine, by reason of its superior force and positive action.
- (3)—Because it costs less money to install, for every foot pound of actual work done on the mine; and is maintained and run cheaper than any other fan.
- (4)—It is incombustible and cannot burn.
- (5)—It gives adequate ventilation right to the end of the life of the mine. No replacing or diminution of air, like common fans. It will last the life of any mine.

The best reason for its use is the coal trade buys it; a Company having bought one, buy it always.
 Berwind-White Coal Mining Co., 7 Fans; W. L. Scott Companies, 7 Fans; Francis L. Robbins Companies, 3 Fans; Ellsworth-Morris Companies, 4 Fans; Moon Run Company, Washington Coal & Coke Co., Imperial Coal Co., Essen Coal Co., H. K. Wick Co., H. C. Frick Coke Co., Cambria Steel Co., Susquehanna & Watkins, Scranton, Alberta, N. W. T., and Cumberland Railway & Coal Co., W. & Can. may be taken as fairly representative of the coal trade besides outsiders, as Erie R. R. Co. and Hoosier Tunnel.

W CLIFFORD CAPELL FAN CO., JEANETTE, PA.

HOISTING AND HAULING ENGINES With automatic safety stop.
 Geared and Direct Action — — — Differential Drums.

WORTHINGTON AIR COMPRESSORS

Single and Duplex — Simple and Compound

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