

HIGHEST AWARDS:
Caloutta, 1884; Stockholm, 1886; Adelaide, 1887; Melbourne, 1888.

THOMAS CHATWIN,

ESTABLISHED OVER HALF A CENTURY,

Victoria Works, Great Tindal Street, BIRMINGHAM, England.

PATENTEE AND MANUFACTURER OF

STOCKS, DIES, TAPS and RIMERS,
Improved **SCREWING MACHINES** for Hand and Power, Standard Cylindrical Gauges, Surface Plates, Twist Drills, Milling Cutters, Cut Gears, Clyburn, Budding, and other Spanners and Wrenches, Patent Tube Cutters, Tube Wrenches, Tube Vices, Main Pipe Drilling Apparatus, and General Tools for Engineers, Gasfitters, Hot Water Engineers, Plumbers, &c.

Sole Maker of
W. Jones' Patent
Pipe Cutter for Mains,
up to 36" dia.

Tube Screwing and Cutting-Off Machine,
for Hand and Power, with Self-Acting
Feed Cutting-Off Apparatus.



HIGH-CLASS TOOLS

ESTABLISHED
1846.

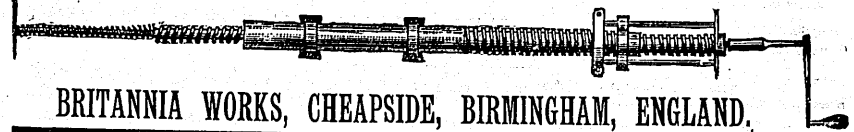
Telegraphic Address:
"EXPANDERS,
Birmingham."

JOSEPH FITTER,

MACHINIST,
AND MANUFACTURER
PATENTEE OF THE SINGLE AND



DOUBLE ACTION SCREW TABLE EXPANDERS, MUSIC STOOL SCREWS, CHAIR ACTIONS, HORTICULTURAL SCREWS, all kinds of Screws for Boot Stretchers. SCREW ADJUSTING TOES, for Billiard Table. CARPENTER'S BENCH SCREWS, SKYLIGHT LIFTING SCREWS, BRAKE AND VENEER SCREWS. INVALID BED AND COUCH SCREWS. VEHICLE SEAT ADJUSTING SCREWS, ETC.



BRITANNIA WORKS, CHEAPSIDE, BIRMINGHAM, ENGLAND.

HENRY MILWARD & SONS,

Two GOLD MEDALS, PARIS
Exhibition, 1900, for Needle and Hook Exhibit.

TRADE MARK.

The 'IRON ARM.'



Ask for . . .



THE "CREST"
Needle (Ordinary Eye).

MANUFACTURERS of
**NEEDLES,
FISH HOOKS,
FISHING TACKLE.**

Threads without
Threading,
The CALYX-EYED



NEEDLE.

REDDITCH,
ENGLAND.