

THOMAS CHATWIN,

VICTORIA WORKS, GREAT TINDAL STREET,

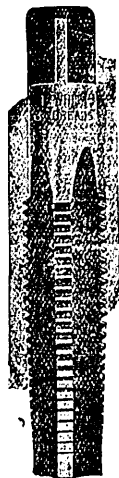
BIRMINGHAM, Eng.

MANUFACTURER OF . . .

Taps and Reamers. Stocks and Dies. Milling Cutters. Pipe Cutters

AND EVERY OTHER DESCRIPTION OF

"Small Tools."



ESTABLISHED
1846.

JOSEPH

Patentee and
OF
SINGLE AND
SCREW-TABLE
MUSIC STOOL SCREWS,

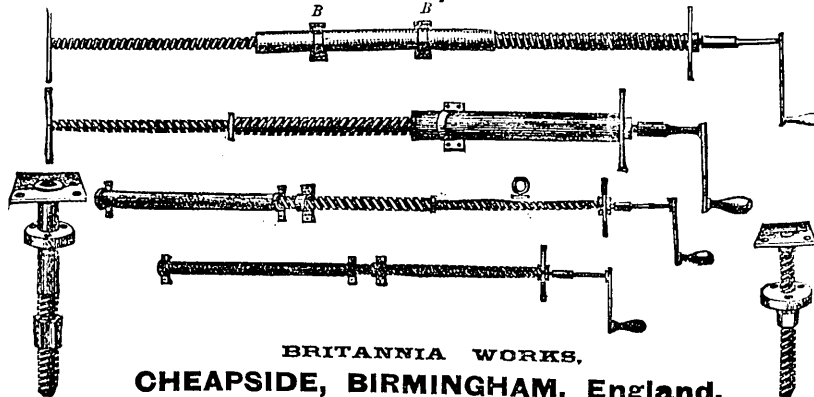


FITTER

Manufacturer
THE
DOUBLE-ACTION
EXPANDERS,

Telegraphic Address:
"EXPANDERS,
BIRMINGHAM."
Telephone No.
1455.

CHAIR SCREWS, CHAIR ACTIONS, SULREY or VEHICLE
SEAT ADJUSTING SCREWS, &c.,
FOR HOME AND EXPORTATION.



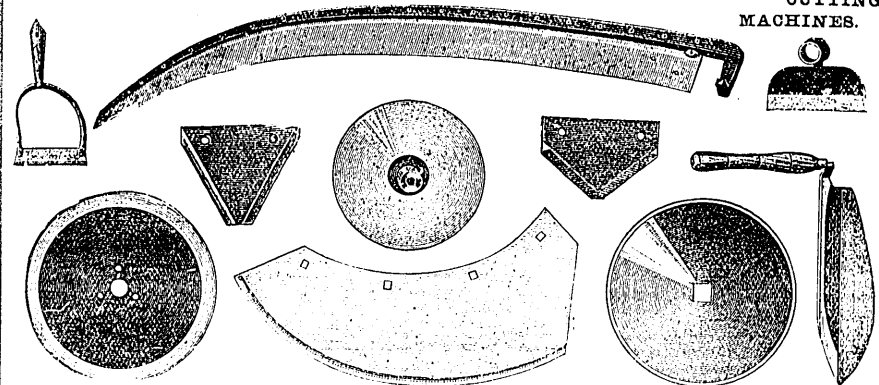
BRITANNIA WORKS,
CHEAPSIDE, BIRMINGHAM, England.

Melbourne Exhibitions, 1881 & 1889, Gold Medals Gained by W. TYZACK, SONS & TURNER, LTD., LITTLE LONDON WORKS, SHEFFIELD.

IMPROVED RIVETED
AND CROWN SCYTHES,
HAY KNIVES AND
REAPING HOOKS.



KNIVES FOR
REAPING, MOWING,
CHAFF & TURNIP
CUTTING
MACHINES.



CIRCULAR,
BAND, FRAME,
CROSSCUT, &c.,

SAWS

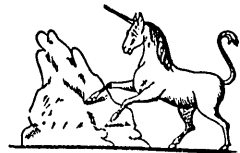
GOULTERS,
HARROW DISCS,
PLOWG PLATES, &c.

Rheinisch-Westfälische Sprengstoff Actien-Gesellschaft,



KÖLN-AM-RHEIN.

(Rhenish-Westphalian Explosives Co.
Lim.,
COLOGNE-O/-RHINE.)



Works at
Troisdorf, Nürnberg and Ronsahl.

SPECIALITIES of own Manufacture:—

SMOKELESS POWDER, GUN COTTON, CELLULOID, METAL CARTRIDGES, CAPS FOR CARTRIDGE SHELLS,
BREECH CAPS (Flobert's System), PERCUSSION CAPS (DETONATORS), DYNAMITE and ELECTRIC CAPS.

AUTOMATIC MEASURE TESTING MACHINES.

SPECIAL MACHINES for the PREPARATION OF METAL CAPS AND BULLETS.
SPECIAL DEPARTMENT at TROISDORF for the manufacture of BICYCLE TUBES and
OTHER FITTINGS.

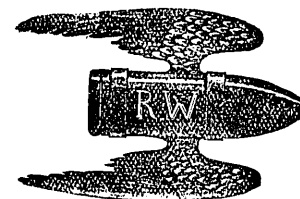
More than 1,400 workmen
are employed at our works.

Correspondence in German,
French and English.

CONTRACTORS TO SEVERAL

GOVERNMENTS.

Telegraphic Address—



"DYNASPRENG."