"Commercial Cobalt" H 214c

Tensile strength bar.
Cast from just above the melting point, allowed to cool in iron mould, and turned in lathe. Annealed at 850°C.
Date of microphotograph—May 6, 1914.

Analysis—	%
Co	97·09
Ni	none
Fe	1·45
C	0·067
S	0·012
Mn	2·04
Si	0·011
Cu	none
P	0·010

Tensile breaking load—70,500 pounds per square inch.
Etching—strong iodine—5 minutes.
Magnification—130 diameters.
Exposure—1 second.

"Commercial Cobalt" H 214c

Tensile strength bar.
Cast from just above the melting point, allowed to cool in iron mould, and turned in lathe. Annealed at 1,000°C.
Date of microphotograph—May 2, 1914.

Analysis—	%
Co	97·09
Ni	none
Fe	1·45
C	0·067
S	0·012
Mn	2·04
Si	0·011
Ca	none
P	0·010

Tensile breaking load—75,200 lbs. per square inch.
Etching—strong iodine—9 minutes.
Magnification—130 diameters.
Exposure—2 seconds.

"Commercial Cobalt" H 87c

Tensile strength bar.
Cast from just above the melting point, allowed to cool in iron mould, and turned in lathe. Annealed at 850°C.
Date of microphotograph—May 6, 1914,
Density—8·6658 at 17°C.

Analysis—	%
Co	97·8
Ni	0·50
Fe	1·46
S	0·020
C	0·18
Ca	trace
Si	0·020
P	trace