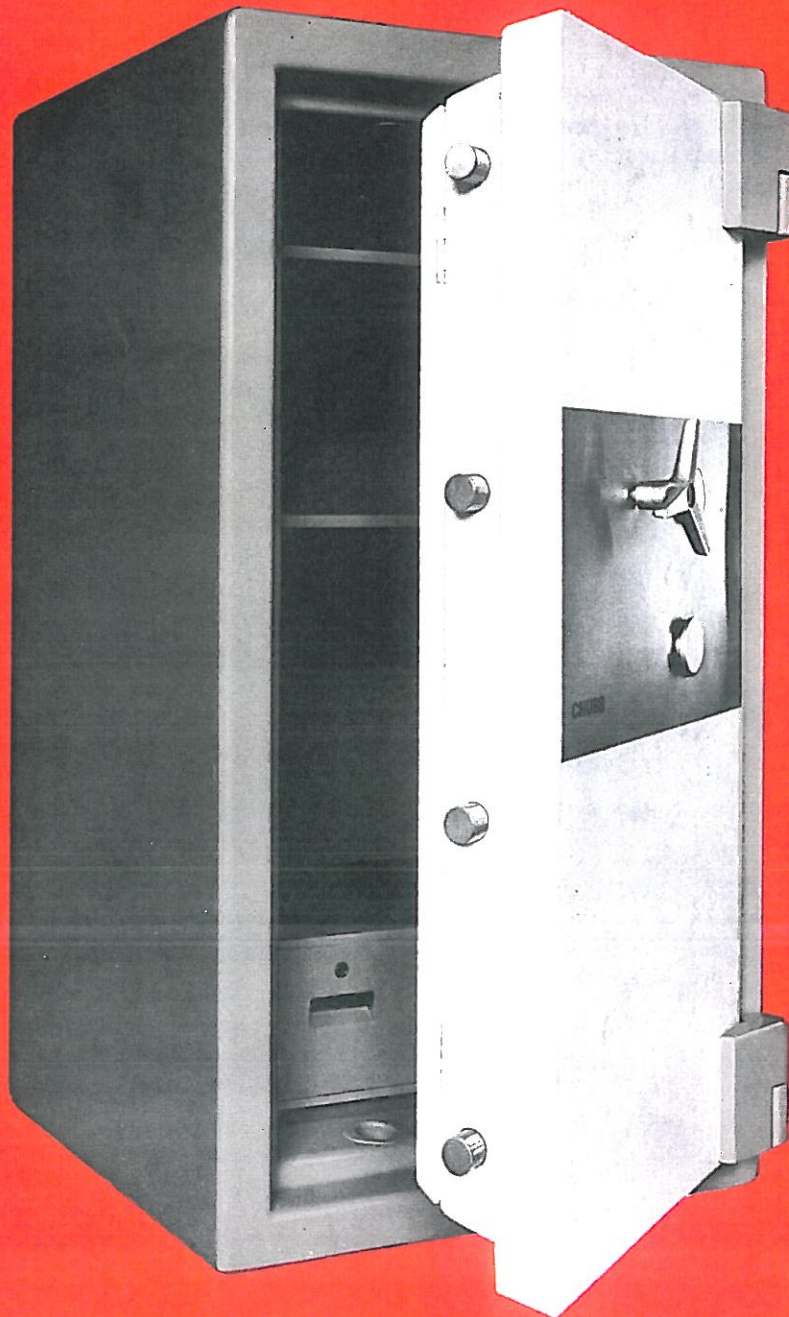


CHUBB

Bankers Treasury Safe



Design Council
Award 1977

Chubb Bankers Treasury Safe

Modern techniques versus modern criminals – the philosophy behind the Chubb Bankers Treasury safe.

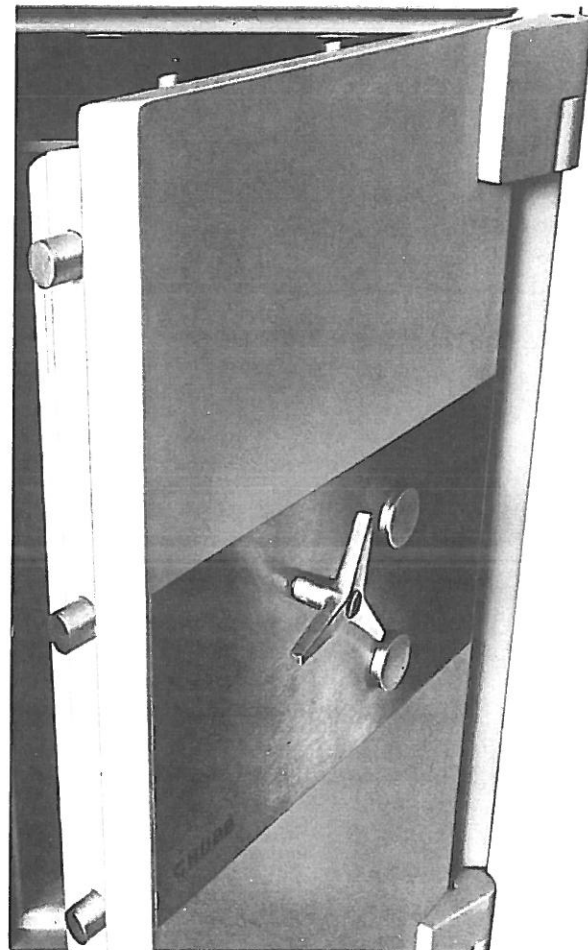
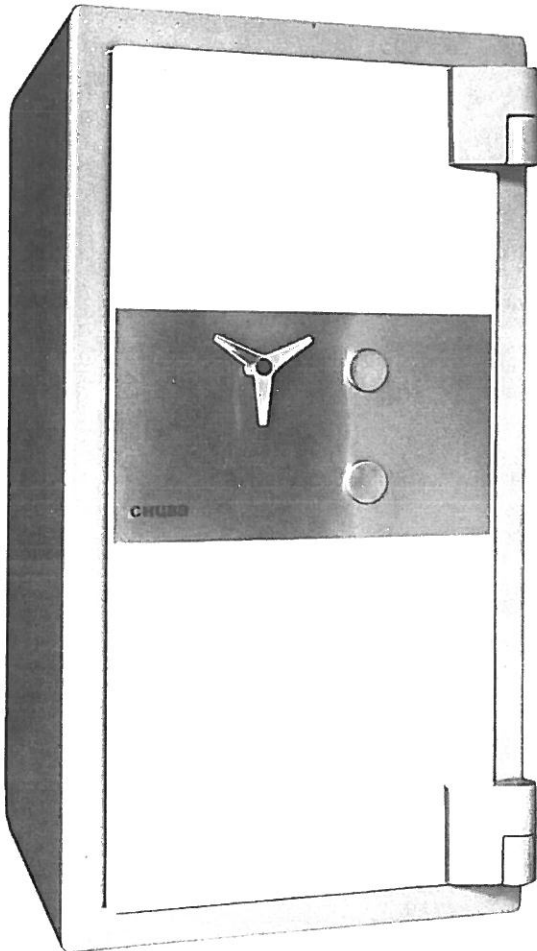
Today's criminal is practised in up-to-the-minute metal cutting techniques, skilled in the use of explosives and an experienced operator with an armoury more extensive, lethal and scientific than ever before.

It is science that has given the criminal these new opportunities and it is science that has given the safemaker the means to combat them.

The Chubb Bankers Treasury safe is a product

of exhaustive research into protective materials and techniques. The door is protected by Chubb Anti-Arc material and the body protection is Chubb Torch and Drill Resisting material, a composite with a matrix of thermal strength and toughness incorporating inclusions to resist drilling.

Advanced manufacturing techniques have enabled Chubb engineers to produce a safe body in a single cast unit of consistent strength. Added to this is Chubb Isolator boltwork, a revolutionary design of locking mechanism which not only provides highly sophisticated drill protection but incorporates advanced techniques for protection against explosive attack.



Specification

Door The door is 7½ in 190mm thick overall. Rectangular, it is constructed from outer and inner steel plates continuously welded to form a single structure and enclosing a solid layer of Chubb Anti-Arc material to produce a total metal thickness of 2⅝ in 73mm. This material offers great resistance to all forms of oxygen cutting apparatus as well as drills and forcing tools. In special areas over the door face immediately in front of the locks and locking mechanism extra protection is incorporated to further strengthen the drill resisting qualities of the door structure.

The door is hung on hardened steel pivots with hinges of modern design.

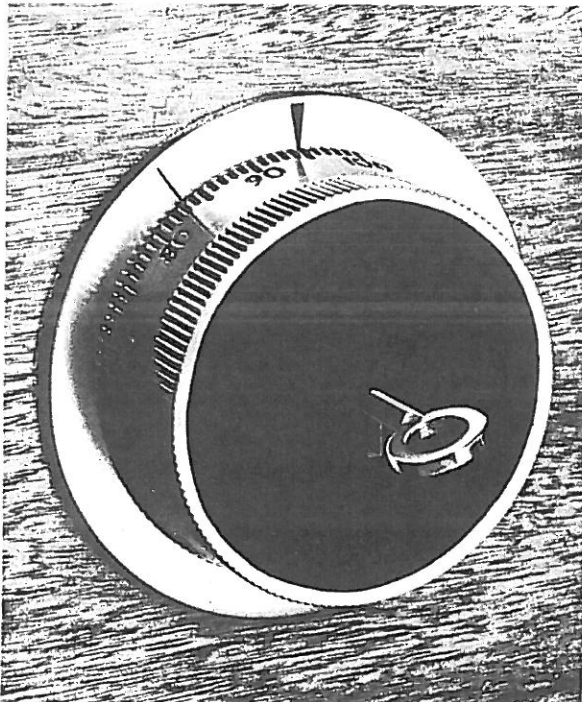
Body By enclosing the 2in 51mm monolith of Chubb Torch and Drill Resisting material in a single unit outer steel body, a safe body of great strength is produced. The outer steel body itself is constructed by the latest forming process coupled with the most up-to-date steel welding techniques. The total solid metal thickness forming the body of the safe is 2⅜ in 68mm.

Boltwork and locking Heavy cylindrical sliding bolts, 1½ in 38mm diameter, extend from all four sides of the door to ensure a solidarity with the body. The number of bolts at each side varies between three and five, according to safe size, whilst there are always two at top and bottom, an important feature in resisting explosive attack.

On turning the key of the Chubb 8-lever keylock or locking the Chubb 4-code keyless combination lock, the bolt throwing mechanism is disconnected from the bolt operating handle. Any attempt to force an entry by dislodging the lock (particularly by an explosive charge in the keyhole) is thereby defeated since, with the drive disengaged, there is no means of retracting the 4-way main bolts.

A glass reloading device amongst other devices is incorporated in the locking mechanism to ensure that the bolt throwing mechanism remains positively locked in the extended position under various types of attack.

Finish Light and dark grey enamels are used in a high quality finish, other colours being available at extra cost. The bolt throwing handwheel is satin chrome plated to blend with the stainless steel control mounting panel, with escutcheons or keyless combination lock dials to match.



Keyless combination locks The use of these locks is strongly recommended. They can be fitted in place of, or in addition to, a keylock.

Each lock is capable of 100,000,000 changes of code.

The operation of the lock is simple and quick. The alteration of the code can be effected in a few minutes without any prior reference to Chubb.

Being operated by a code, the possibility of keys being copied, lost, stolen or compromised is eliminated.

As the code can be changed readily and easily complete security can be maintained over a safe whenever there is a change of staff.

Elimination of a keyhole, a ready-made receptacle for explosive, reduces the possibility of explosive attack.

Refinements, such as a dial checklock and anti-observation shield, can be fitted at extra cost.

Timelocks The timelock operates independently of any other form of locking.

Pre-set to go off guard at a selected time, the lock prevents a safe from being opened until the correct time is reached even if the other locks have been unlocked.

The Chubb mechanical timelock has two movements, identical in every way, to preclude non-operation in the event of a breakdown of one of them, since it is only necessary for one movement to operate the lock. This lock may be set for any period up to 120 hours, this being long enough to cover long weekend holidays. The mechanical action has the dual advantage of having no battery to run down and no electrical connections to give trouble.

Space does not permit the fitting of a timelock in a Chubb Treasury Safe size 2215. All other sizes are prepared to receive a timelock.

Cupboards Cupboards are constructed of sheet steel suitably reinforced and secured by a keylock with keys in duplicate.

Standard sizes are 12in 305mm and 15in 381mm high inside.

The overall width of all cupboards is 1in 25mm less than the internal width of the safe, the overall depth of all cupboards being 1in 25mm less than the internal depth of the safe.

Fittings The fittings supports are formed in the sides of the lining, the fittings being designed so that they can be adjusted at 1⅞ in 27mm intervals.

The drawers are of steel secured by a keylock with keys in duplicate.

The drawers are mounted between two shelves secured to the supports by vertical clips. They are supplied either as one full-width drawer or two drawers side by side.

The shelves are of sheet steel flanged and secured to the support by clips.

Safe	inside size of drawer		fitment overall	type of drawer
	high	wide		
2215	4⅜ in	14½ in	6 in	full width
	111 mm	368 mm	152 mm	
	4⅜ in	6¾ in	6 in	half width
	111 mm	171 mm	152 mm	
3420	4⅜ in	19½ in	6 in	full width
4620 and	111 mm	495 mm	152 mm	
5520	4⅜ in	9¼ in	6 in	half width
	111 mm	235 mm	152 mm	
	6½ in	19½ in	8⅞ in	full width
	165 mm	495 mm	206 mm	
6428/17	6½ in	9¼ in	8⅞ in	half width
	165 mm	235 mm	206 mm	
	6½ in	13¼ in	8⅞ in	half width
	165 mm	337 mm	206 mm	

Safe 2215

outside body			inside body		
high	wide	deep	high	wide	deep
31"	24½"	26½"	22"	15"	15"
.788m	.623m	.674m	.558m	.381m	.381m
net weight 16cwt 810kg					
gross weight 17cwt 865kg					
size of case			high	wide	deep
			36"	30"	33"
			.91m	.75m	.83m
internal cubic capacity 2.86 cu ft .081 cu m					



Safe 3420

outside body			inside body		
high	wide	deep	high	wide	deep
43"	29½"	30½"	34"	20"	19"
1.092m	.750m	.775m	.863m	.508m	.482m
net weight 25¾cwt 1310kg					
gross weight 27½cwt 1400kg					
size of case			high	wide	deep
			49"	35"	38"
			1.25m	.90m	.97m
internal cubic capacity 7.47 cu ft .211 cu m					



Safe 4620

outside body			inside body		
high	wide	deep	high	wide	deep
55"	29½"	30½"	46"	20"	19"
1.397m	.750m	.775m	1.168m	.508m	.482m
net weight 31¼cwt 1590kg					
gross weight 33½cwt 1710kg					
size of case			high	wide	deep
			61"	35"	38"
			1.56m	.90m	.97m
internal cubic capacity 10.11 cu ft .285 cu m					



Safe 5520

outside body			inside body		
high	wide	deep	high	wide	deep
64"	29½"	30½"	55"	20"	19"
1.626m	.750m	.775m	1.397m	.508m	.482m
net weight 35½cwt 1810kg					
gross weight 38½cwt 1950kg					
size of case			high	wide	deep
			71"	37"	39"
			1.80m	.94m	.99m
internal cubic capacity 12.09 cu ft .342 cu m					



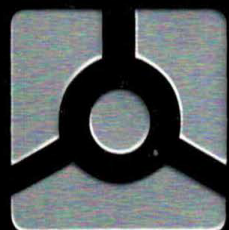
Safe 6428/17

outside body			inside body		
high	wide	deep	high	wide	deep
73"	37½"	28½"	64"	28"	17"
1.855m	.953m	.724m	1.625m	.711m	.432m
net weight 46¼cwt 2350kg					
gross weight 50¼cwt 2553kg					
size of case			high	wide	deep
			80"	45"	38"
			2.04m	1.14m	.96m
internal cubic capacity 17.6 cu ft .499 cu m					



Safe 6428/21

outside body			inside body		
high	wide	deep	high	wide	deep
73"	37½"	32½"	64"	28"	21"
1.855m	.953m	.826m	1.625m	.711m	.533m
net weight 48cwt 2434kg					
gross weight 52cwt 2650kg					
size of case			high	wide	deep
			80"	45"	40"
			2.04m	1.14m	1.02m
internal cubic capacity 21.7 cu ft .615 cu m					



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