

US Prison and Detention Locks

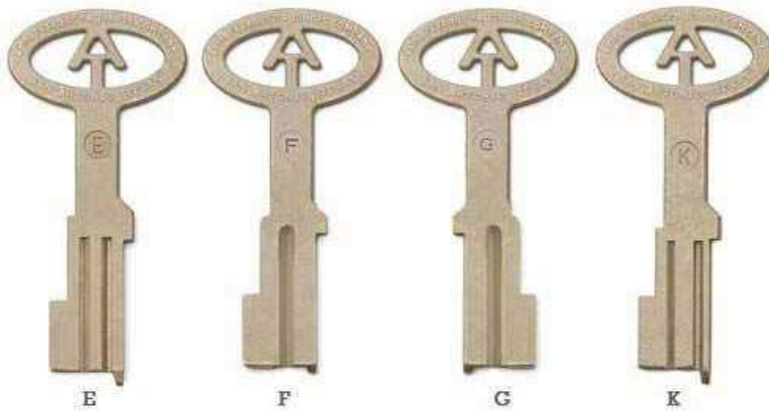
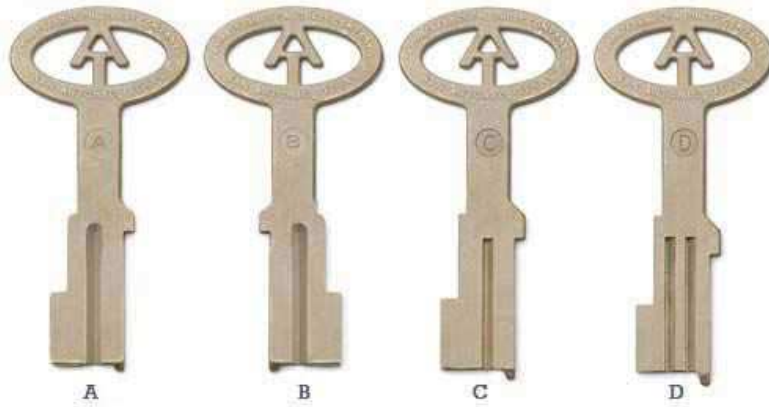
With over 40 different paracentric and mogul keyways in stock, there's no need to call anywhere else.

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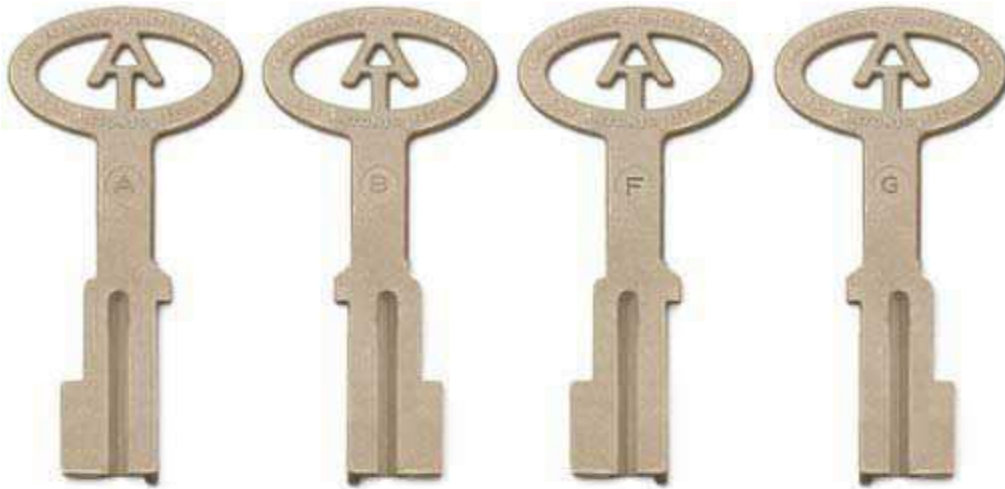
Folger Adam



Southern Steel



Adtec



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W

X

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Z



M



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M6

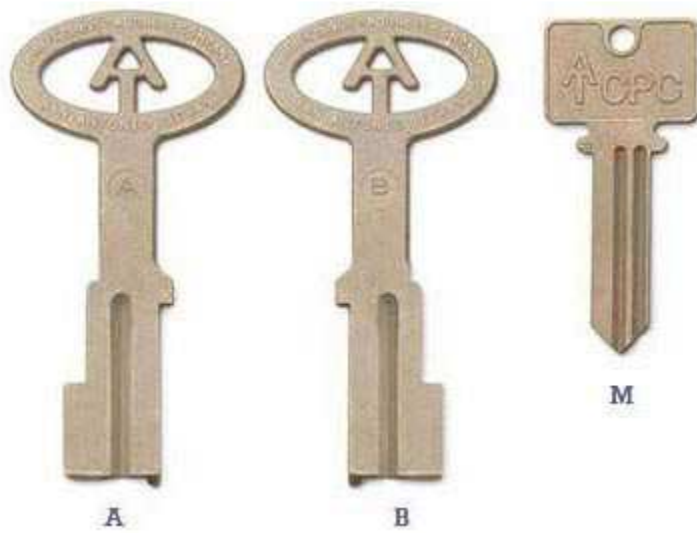


N6

Airteq



RR Brink



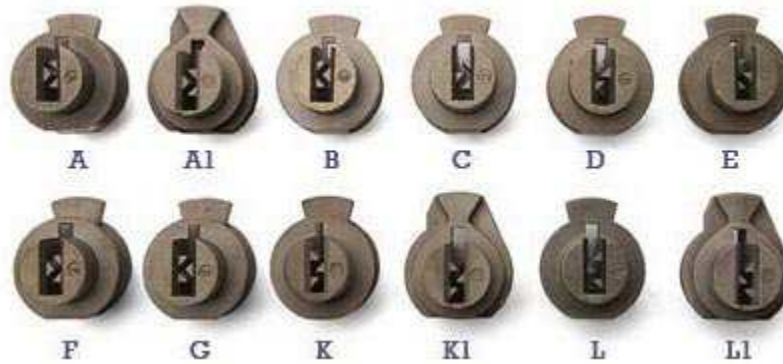
Cylinders for Prison and Detention Locks

Our investment cast cylinders come one-way, two-way or any key-way you may need.

Folger Adam



Southern Steel



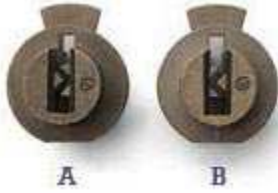
Adtec



Airtec



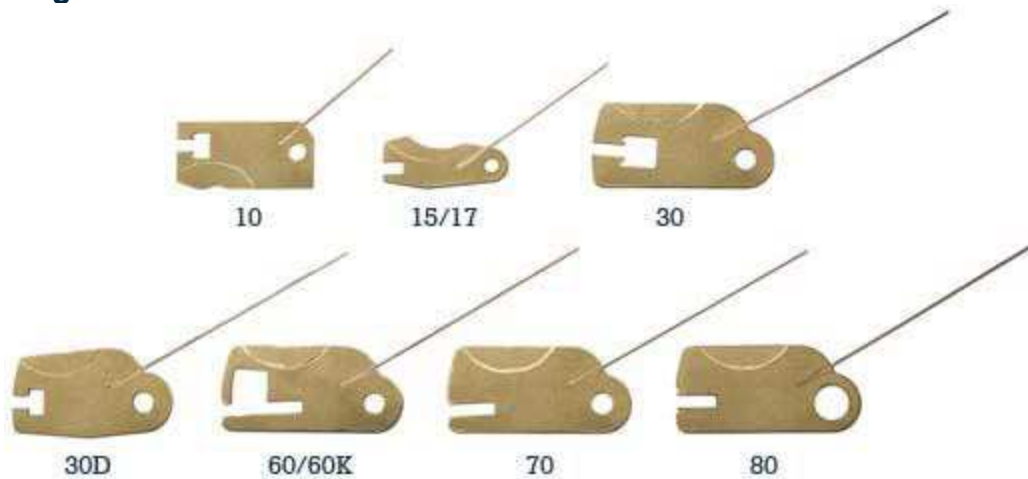
RR Brink



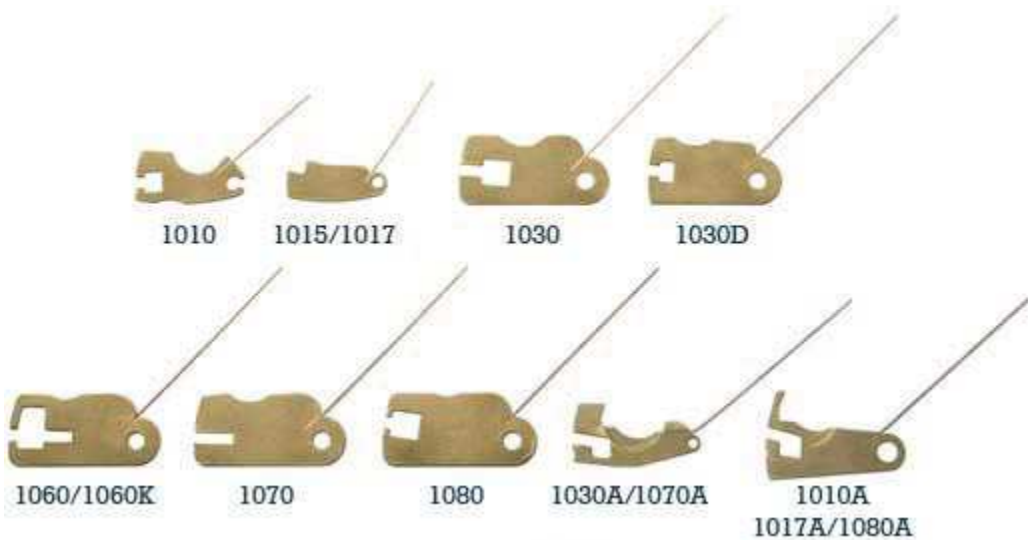
Tumblers for Prison and Detention Locks

For any, and we do mean any, mechanical locking system that needs a replacement tumbler, call us. **From the most common to the most obscure, we've got them in stock.**

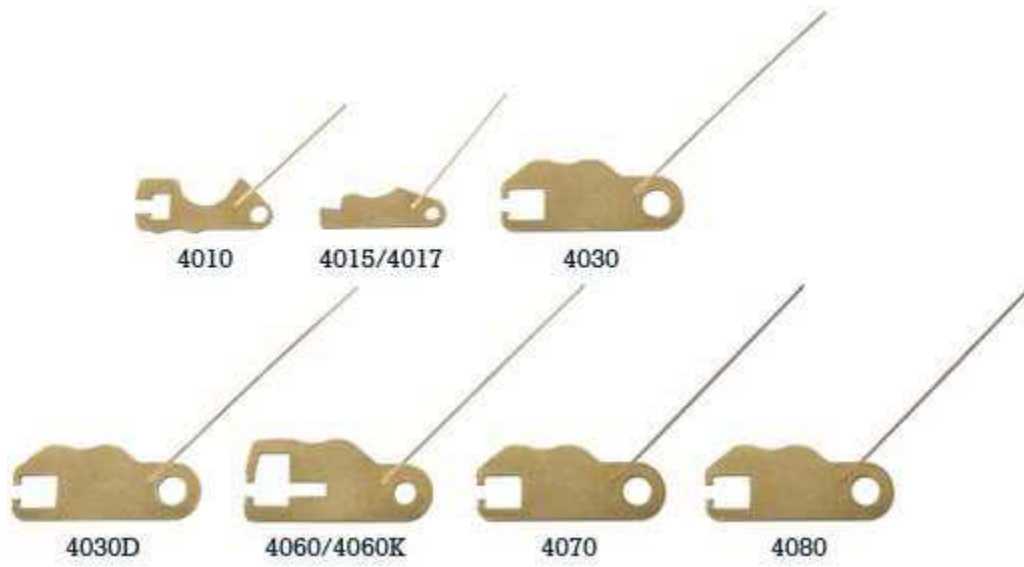
Folger Adam



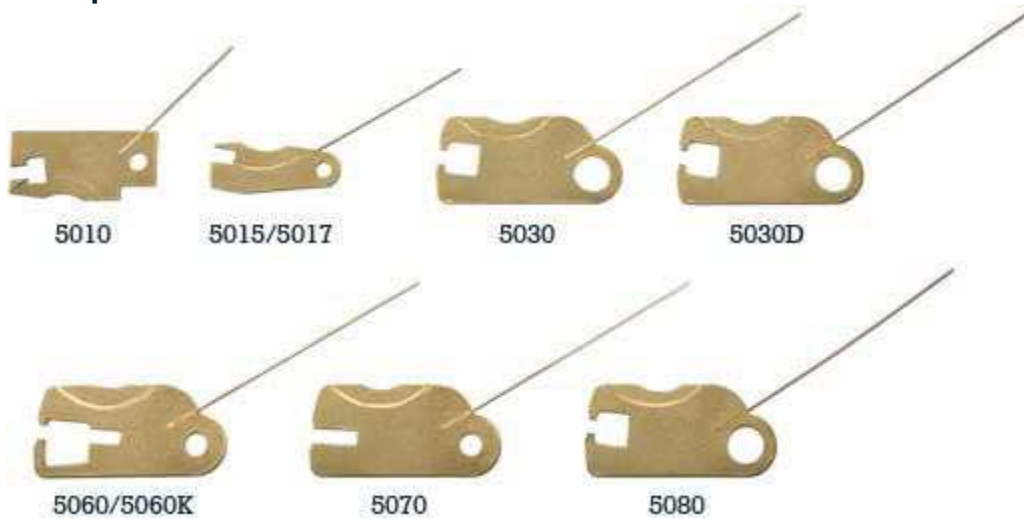
Southern Steel



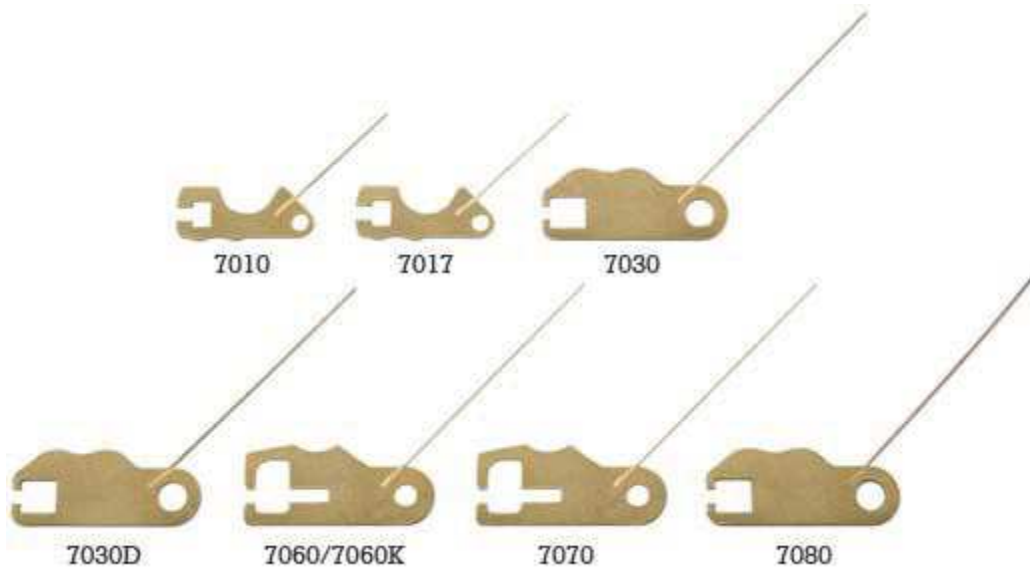
Adtec



Airteq



RR Brink



Mechanical Prison and Detention Locks

We manufacture our locks as direct replacements for those of the OEM. Same materials, same dimensions, same mounting, same key-way, same combination and our parts are completely interchangeable with your existing locks. **The big difference: better price, delivery and service.**

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10M Series



15 Series



17 Series



17M Series



30 Series



30D Series



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Cremone Series



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Built to Last a Life Sentence™. We manufacture a complete line of electric locks for every security level and voltage requirement. And we've engineered durability upgrades we're sure you and your maintenance budget will appreciate.

Narrow Jamb Series



120 Series



50 Series



HBM Series



Gate Lock Series



Detention Locks Industry History

1880

William J. Adam forms Adam Steel and Wire Works in Illinois and begins producing fencing and grille work. His son, Folger Adam, changes company name and focuses on manufacturing detention cells.

1897

David F. Youngblood forms Southern Steel Company and begins manufacturing mechanical sliding doors for prisons.

1905

Folger Adam Company begins manufacturing mechanical locks for swinging doors in prisons.

1940-1960

Folger Adam Company purchases the detention lock lines of Sargent & Greenleaf and Yale & Towne. Folger Adam Company later purchases the detention lock line of Stewart Iron Works. They are the **only manufacturer of both mechanical and electromechanical locks for prisons** until 1967.

1967

Southern Steel Company copies the lock designs of Folger Adam Company in both their mechanical and electromechanical locks and begins manufacturing detention locks as an equivalent to Folger Adam Company.

1978

RR Brink Locking Systems begins manufacturing the narrow jamb prison lock for use in swinging doors.

1984

Adtec Detention Systems is formed by the great-grandson of Southern Steel Company's founder. Adtec Detention Systems copies Southern Steel Company's lock designs. They produce an extensive line of Federal Bureau of Prison approved locks and sliding door devices.

1989

Airteq Systems pioneers the use of pneumatic technology in locks and copies the mechanical lock designs of Folger Adam. Airteq Systems is part of the Norment Industries, which is a wholly owned subsidiary of Apogee Enterprises, Inc.

1990

RR Brink Locking Systems begins copying many of the lock designs of Adtec Detention Systems.

1998

Compudyne Corporation acquires Norment Industries from Apogee Enterprises. Compudyne creates the Norment Security Group.

2001

Corrections Products Company (CPC) purchases various assets of Adtec Detention Systems. In response to the escalating prices and delivery delays in the market, CPC replicates the locks and parts of Folger Adam, Southern Steel, RR Brink, Airteq and others. The choice and competition that CPC provides saves its customers over \$1,000,000 in the first year.

2004

ASSA ABLOY sells Folger Adam Company to Phelps-Tointon Inc., the parent company of Southern Steel. Phelps-Tointon renames the combined unit Southern Folger Detention Equipment Company.

2012

The U.S. Military's Joint Task Detention Group in Guantanamo Bay, Cuba recognizes CPC for its decade-long support of one of America's most important missions against terrorism.

Detention Locks, Keys, Parts & Services

Whether your needs span from renovations to retrofits, lock repair to simple keys or basic parts to custom engineering, CPC is ready to serve you.

As a manufacturer, we can solve problems distributors can't and the OEMs aren't willing to. Our products are Built to Last a Life Sentence™ and have been put to the test by facilities around the world. We offer a 100% money-back guarantee and your satisfaction is the sole purpose of the transaction.

Keys



Tumblers



Cylinders



Mechanical Locks



Electro-Mechanical Locks



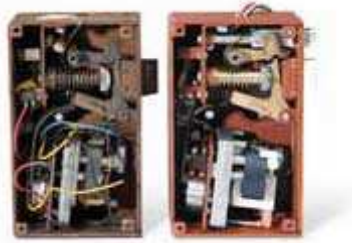
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Retrofit Locks



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**acentric & Mogul Key Readers -
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FOLGER ADAM



SOUTHERN STEEL/ADTEC



AIRTEQ



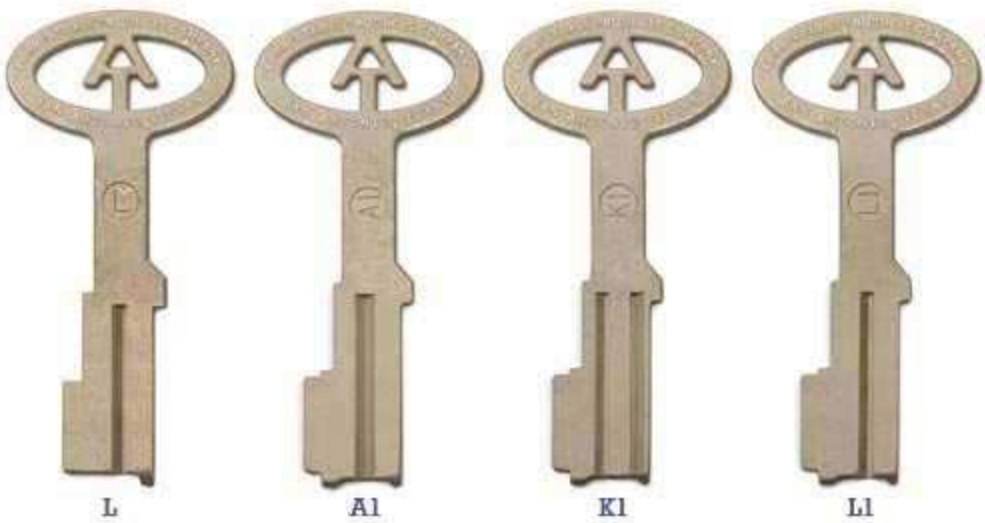
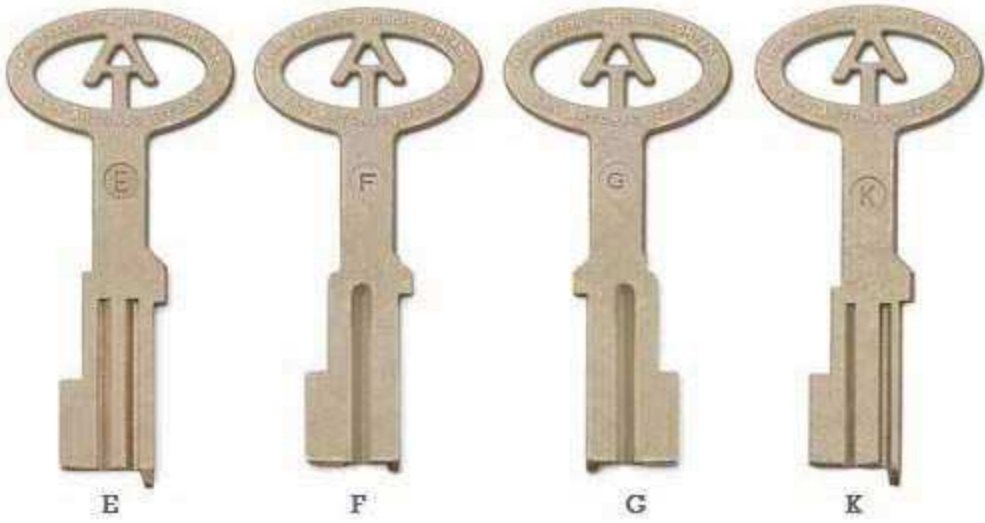
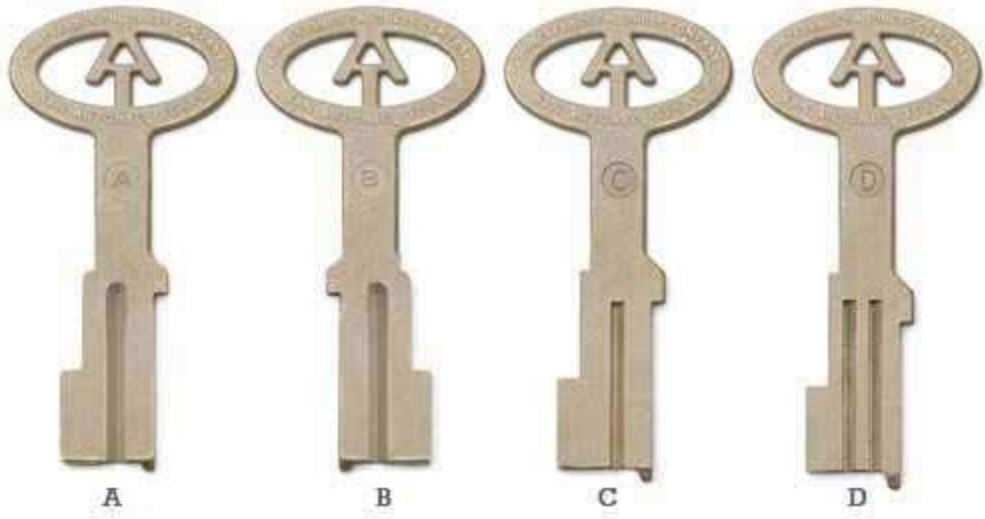
Keys for Prison and Detention Locks

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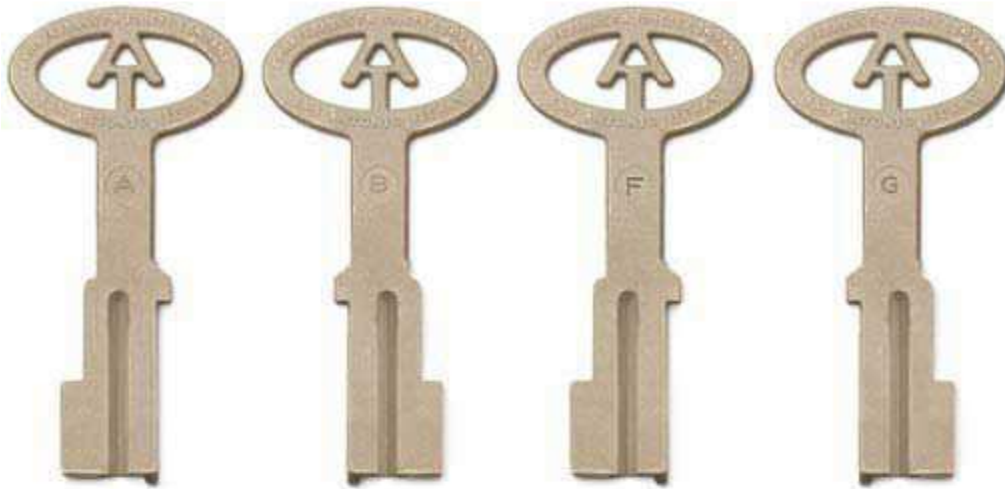
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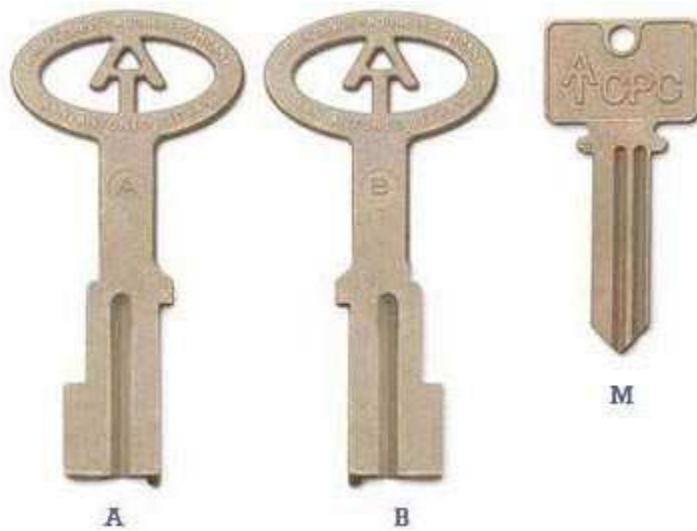


N6

Airteq



RR Brink



Folger Adam Model 82 - Prison Lock

by [MacGyver101](#) » Sun Oct 02, 2011 11:37 am

This has been an ongoing project for a while, which I've finally managed to get some photos of. This project started a couple of years ago, when Urbex acquired a pile of old Folger Adams Model 82 jail cell locks that had been removed from a recently-renovated prison, and a Folger Adam key from eBay.

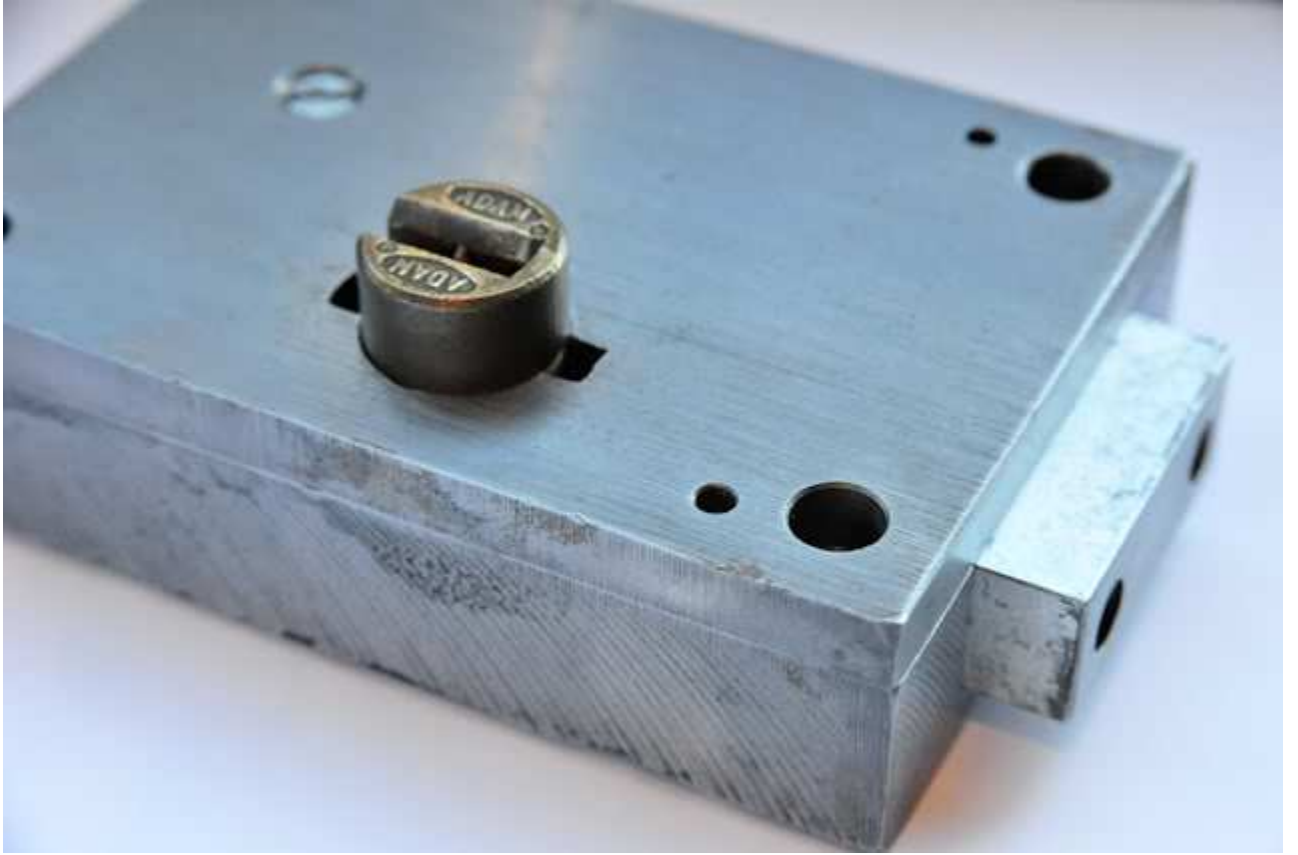


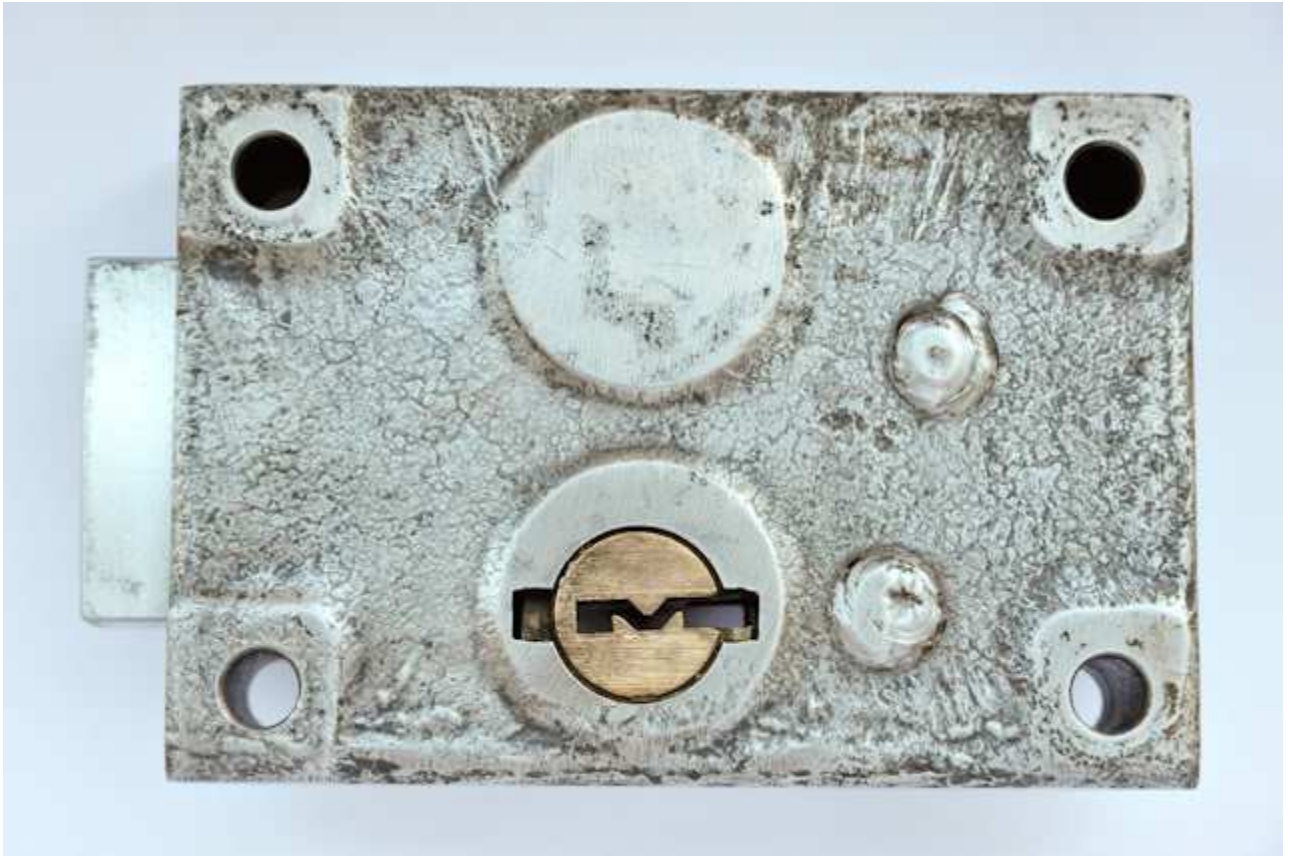
After years of service, the lock was rusted, painted and filled with dirt and old grease. After several weeks of careful cleaning, paint stripping, polishing and a few chemical chelation baths it's been restored, oiled and sealed back to a mostly-new state. 😊



21H045

ADAM
NYCH





This is a *huge* lock. I've placed a standard Schlage SC1 blank next to the key and keyway, for a size reference:





Similar to a number of safe locks, the bolt is drilled and tapped, and can have other boltwork mechanisms attached to it:

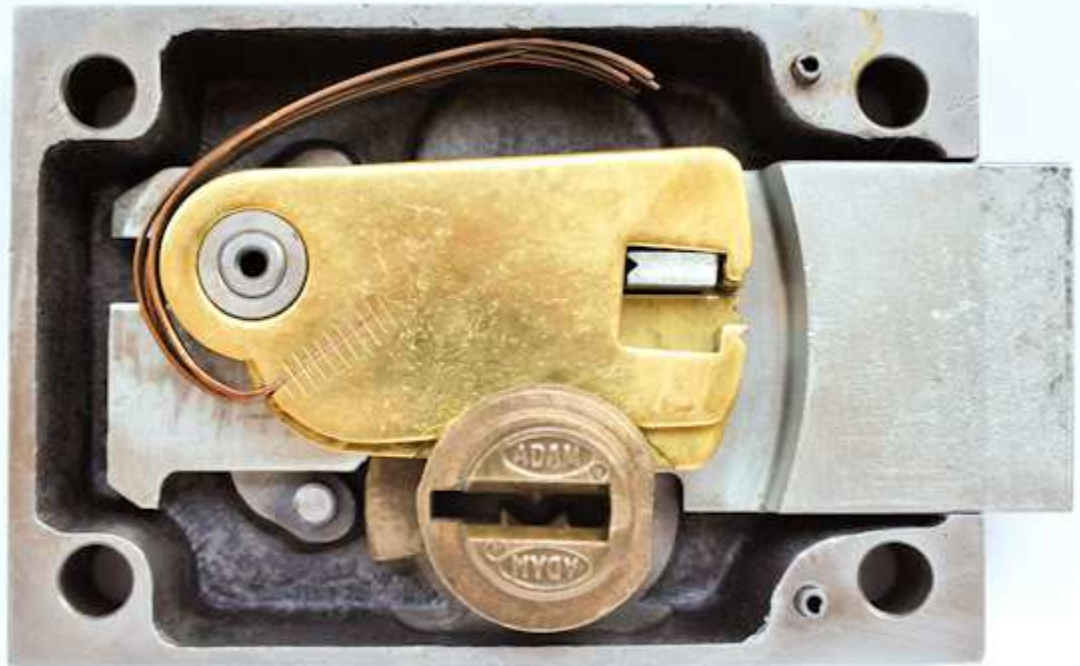




The lock would normally be mortised into a cell door or passage door. A single screw holds the top-plate in place. This lock is clearly meant to withstand a significant amount of abuse; the front plate and bottom are just shy of 1/2" thick:

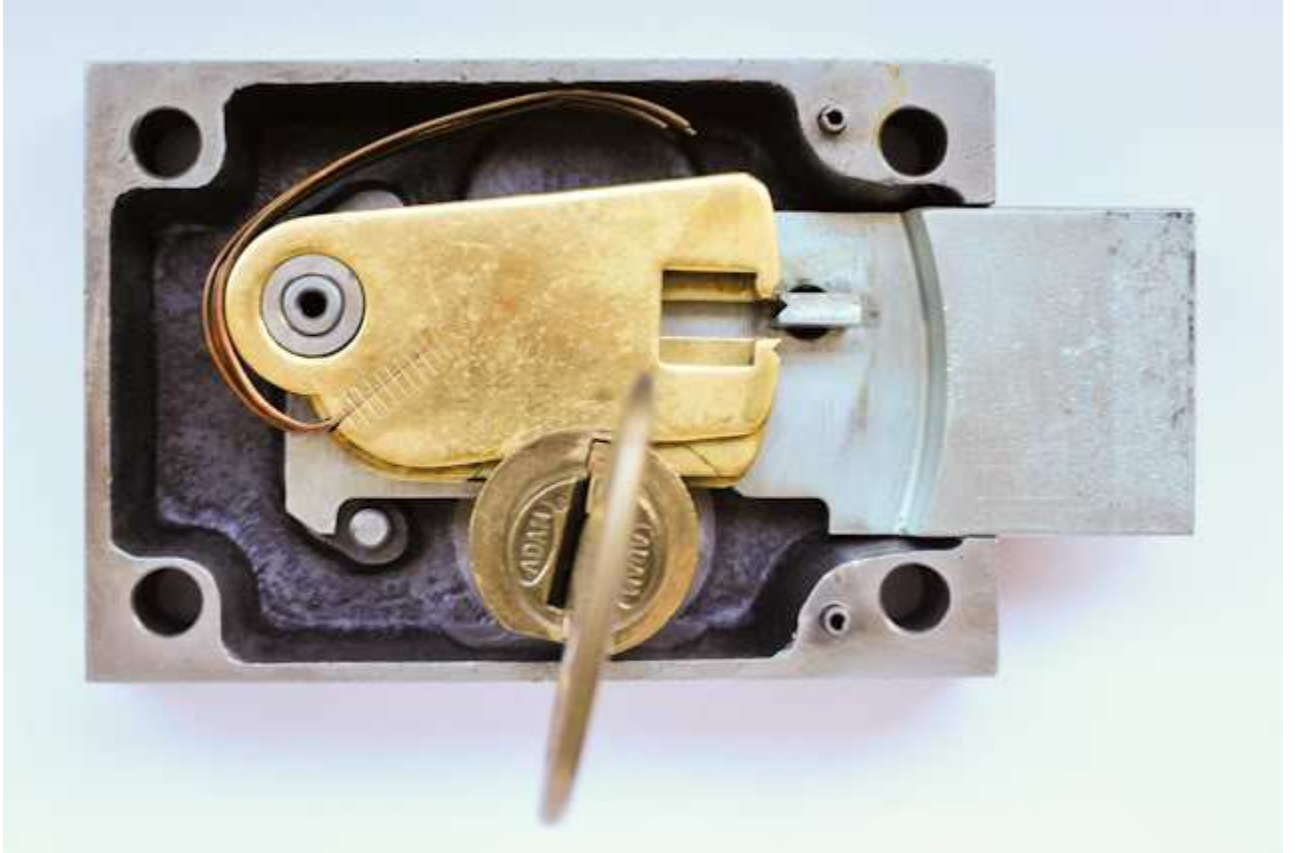


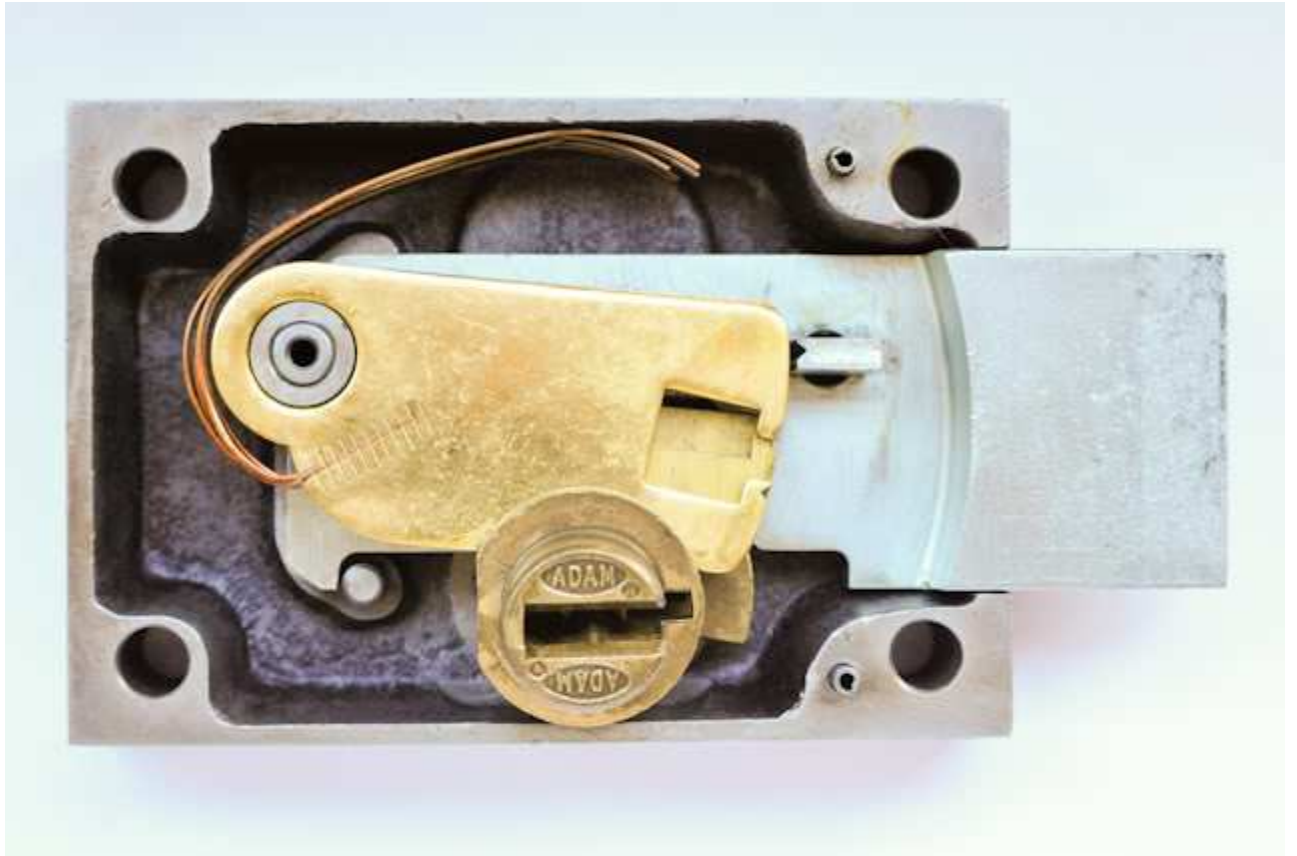
With the cover removed, the lever pack and bolt stump are clearly visible:



A warded plug accepts the key and aligns it with the lever pack:







The levers themselves are *huge*, shown here again with a Schlage SC1 blank for reference:



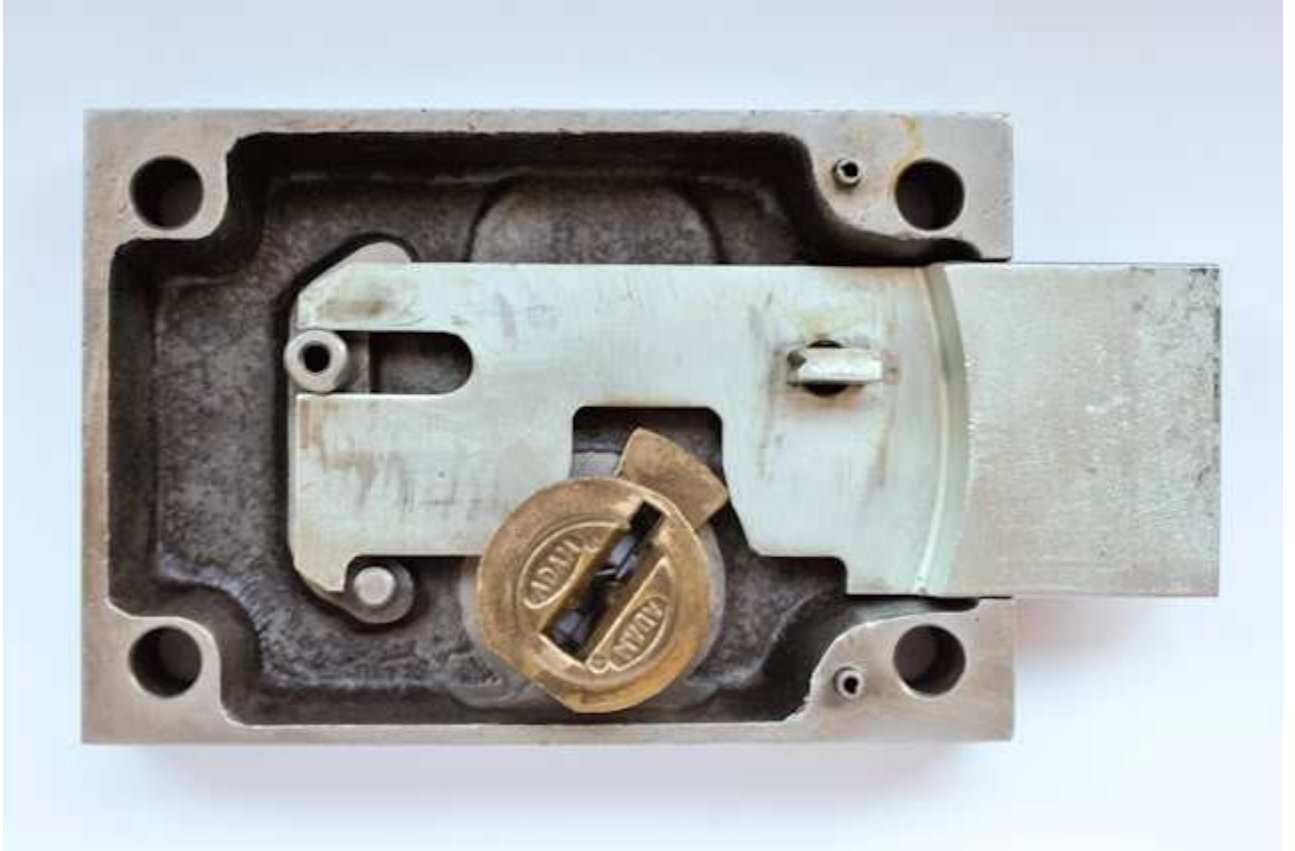
Each lever is individually sprung, with a bronze spring permanently crimped into it:



The levers pivot on a small aluminum sleeve that acts as a bearing to help them rotate smoothly:



Once the levers are removed, the plug and bolt can then be removed:



The plug is one single cast piece, and includes both the keyway warding and also a tongue which does the work of throwing the bolt:







The stump on the bolt is notched; it will catch the "anti-pick" protrusions on the levers:

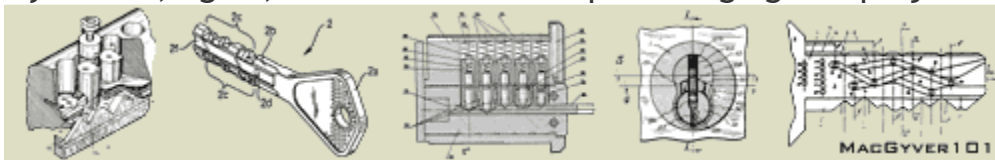


As with the top plate, the sides and back of the lock body are also made from heavy steel, to resist fairly extreme physical attacks:



This was one of my more fun restoration projects, given both the design of these locks and the history of where they've been used. While these locks are still in use ([Oliver Diederichsen](#) posted some pictures of a current model in a [Guantanamo Lock](#) thread on his blog), they are very hard to come by in original condition: Folger Adam restricts sale of new ones to prison and military applications.

My thanks, again, to Urbex for his help in bringing this project together!



MacGyver101

Posts: 1423

Joined: Thu Jun 22, 2006 3:40 am

Location: Toronto, Canada

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Re: Folger Adam Model 82 - Prison Lock

by **femurat** » Sun Oct 02, 2011 2:18 pm

Hey MacGyver, you are a very talented man! This lock looks like new 😁
Great pictures, clear and complete explanation... thanks for sharing 😊

femurat

Posts: 1549

Joined: Mon Sep 22, 2008 10:06 pm

Location: Italy

T
o
p

Re: Folger Adam Model 82 - Prison Lock

by **the picker** » Mon Oct 03, 2011 4:31 am

very nice lock sure is a big bugger. great job on the restoration 😊

the picker

Posts: 8

Joined: Sun Oct 02, 2011 5:54 am

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Re: Folger Adam Model 82 - Prison Lock

by **Legion303** » Mon Oct 03, 2011 7:46 am

Those are some gorgeous pictures. Let me know if you're selling any of the locks. :)

-steve

Legion303

Moderator

Posts: 2187

Joined: Sat May 06, 2006 7:52 pm

Location: Denver, CO

T
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Re: Folger Adam Model 82 - Prison Lock

by **mhole** » Tue Oct 04, 2011 5:18 am

Lovely lock, and beautifully restored. I love the way you've cleaned it up whilst retaining all the original machining and casting marks.

I think the part you're describing as the plug would more accurately be called a curtain or bolt thrower, it seems to be functionally more or less identical to the curtain used in many British lever locks.

mhole

Posts: 391

Joined: Mon Jul 02, 2007 3:36 am

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Re: Folger Adam Model 82 - Prison Lock

by **MacGyver101** » Tue Oct 04, 2011 6:05 am

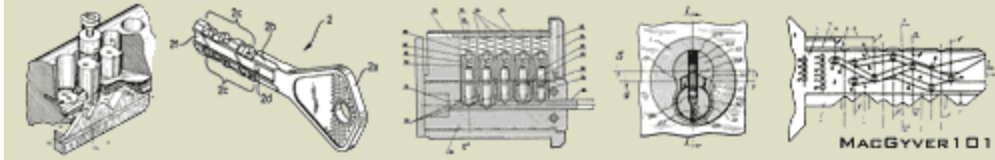
Thanks for the kind words, folks.

Some of these restoration projects become a bit of a labour of love... this one I really enjoyed doing, but I don't want to even start calculating the number of hours that were spent gently soaking off paint residue and rust, hand-polishing several square feet of heavily-tarnished metal, etc.. 😊

I really enjoy being able to bring back the beauty and function of these old locks -- digging out their history from under 100 years of rust, paint and grime. (Some historical pieces shouldn't be cleaned to this extent, as the wear and patina is an important part of their history... but that wasn't really the case here.)

mhole wrote:I think the part you're describing as the plug would more accurately be called a curtain or bolt thrower, it seems to be functionally more or less identical to the curtain used in many British lever locks.

Ah, interesting. I have to admit having never heard the term "bolt thrower" before -- and I always assumed that the "curtain" referred to just the rim on the plug that occludes the keyway. You learn something new every day! 😊
Thanks!



MacGyver101

Posts: 1423

Joined: Thu Jun 22, 2006 3:40 am

Location: Toronto, Canada

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Re: Folger Adam Model 82 - Prison Lock

↳ by **mh** » Tue Oct 04, 2011 12:22 pm

very nice pictures!

Do incorrect keys lift all the levers to the (rather thin*) false notch area?

(* when compared to the other parts of the lock)

Cheers

mh

"The techs discovered that German locks were particularly difficult" _____

mh

Moderator

Posts: 2010

Joined: Fri Mar 03, 2006 5:32 pm

Location: Germany

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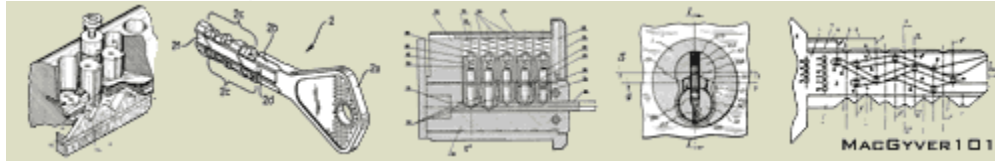
Re: Folger Adam Model 82 - Prison Lock

↳ by **MacGyver101** » Wed Oct 05, 2011 5:18 am

mh wrote:Do incorrect keys lift all the levers to the (rather thin*) false notch area?

Hrm... an excellent question. I'll have to measure the distance between a "0"

cut and the deepest cut on the key and check. (I don't have a reference for the "official" cut depths, but it's easily measured from the curtain.)



MacGyver101

Posts: 1423

Joined: Thu Jun 22, 2006 3:40 am

Location: Toronto, Canada

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Re: Folger Adam Model 82 - Prison Lock

↳ by **Urbex** » Wed Nov 16, 2011 2:56 am

That came out AMAZING!

Urbex

Posts: 106

Joined: Sat Feb 16, 2008 1:30 pm

Location: Eastern MA USA

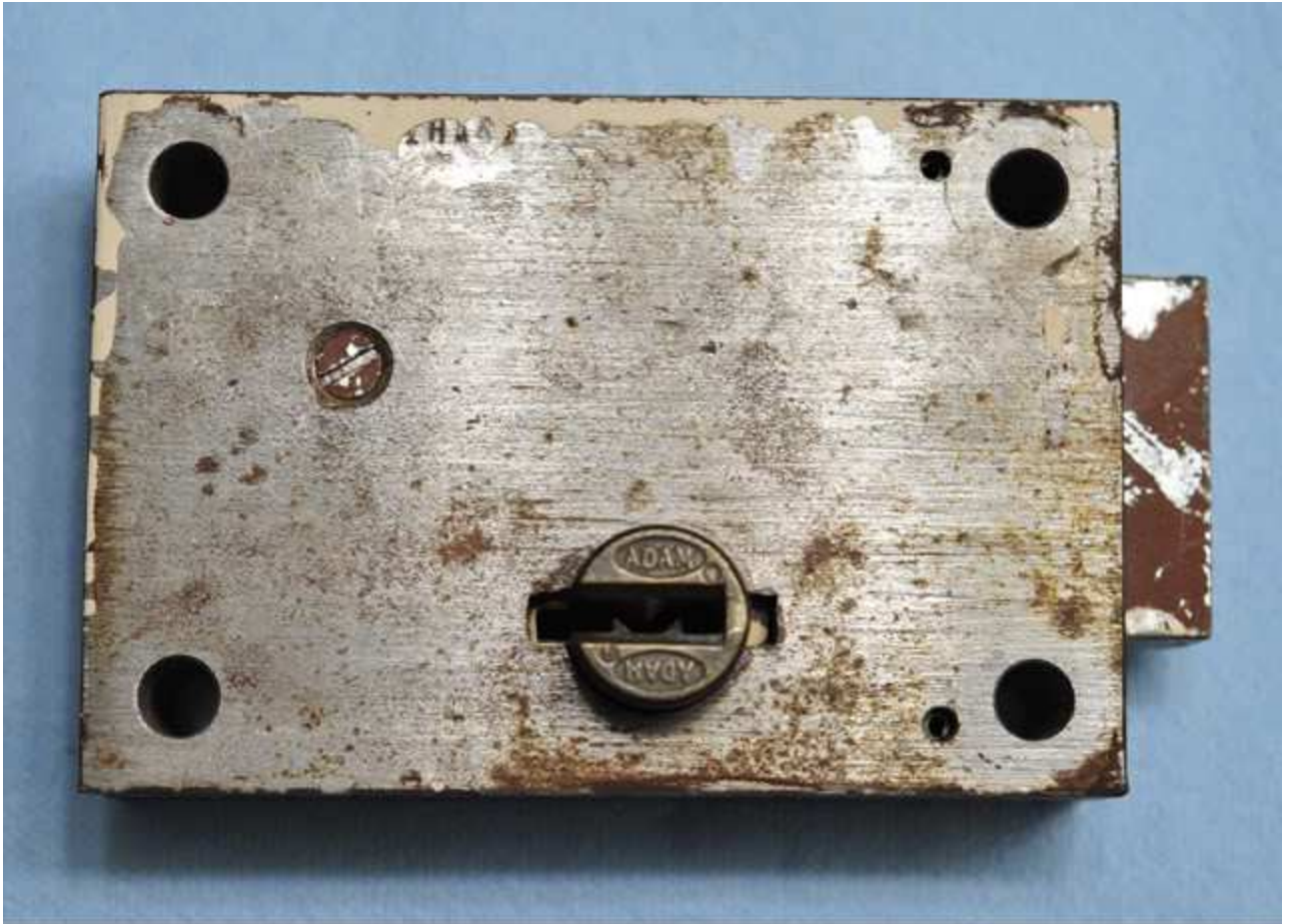
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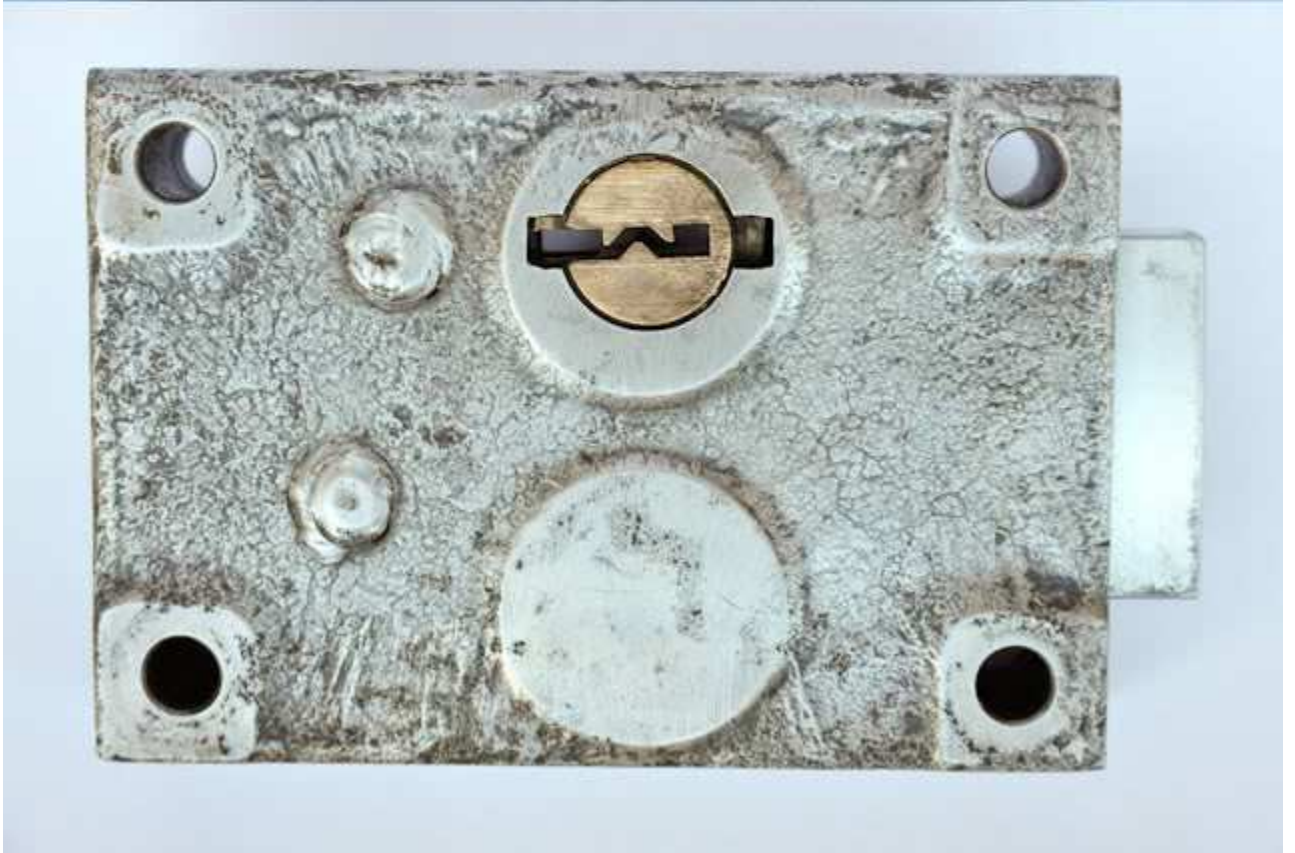
Re: Folger Adam Model 82 - Prison Lock

↳ by **MacGyver101** » Fri Nov 18, 2011 1:10 pm

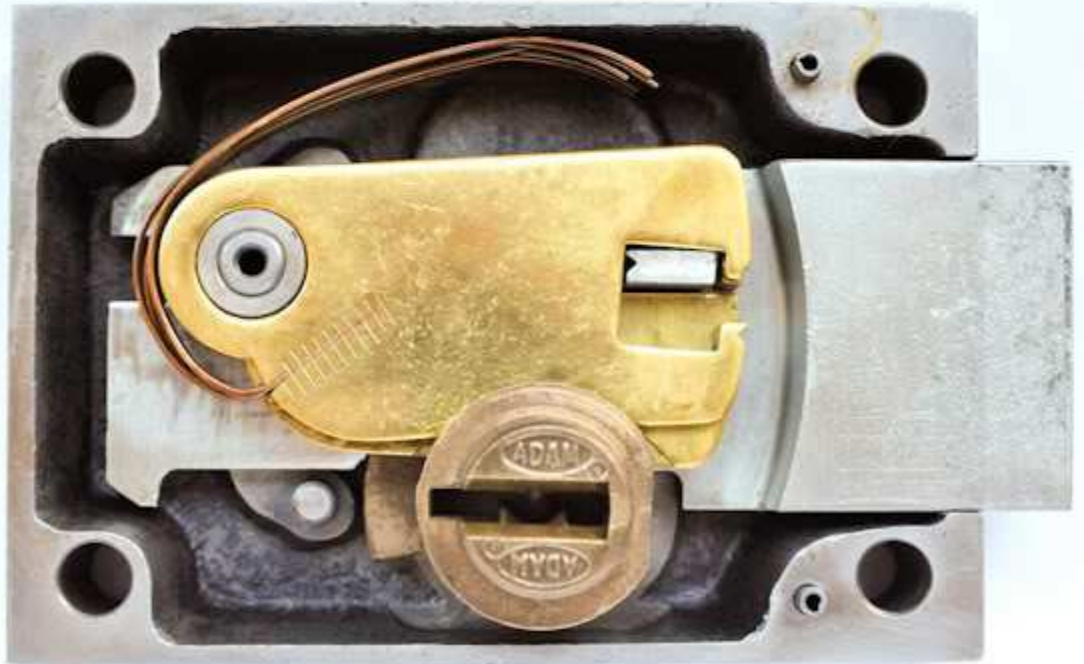
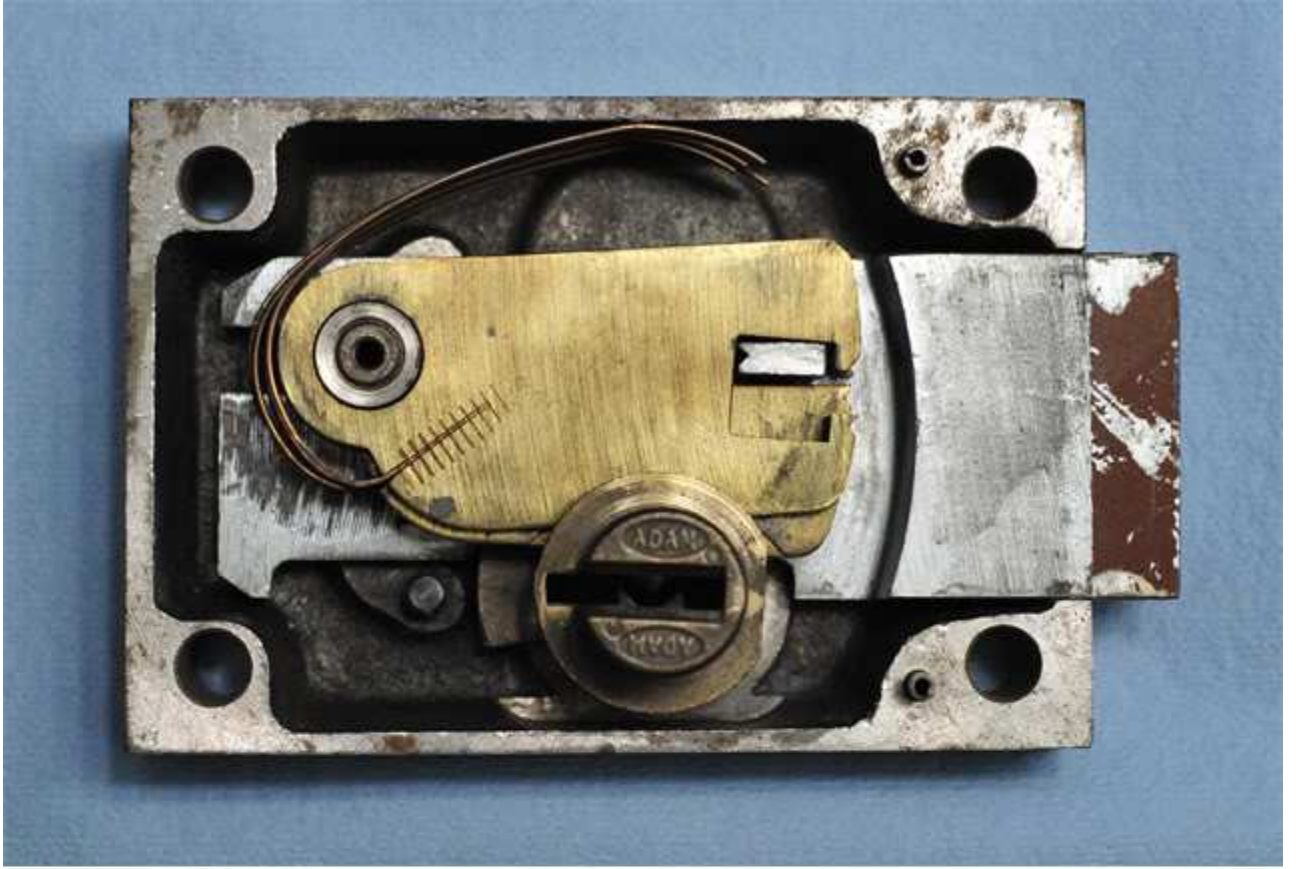
Urbex wrote:That came out AMAZING!

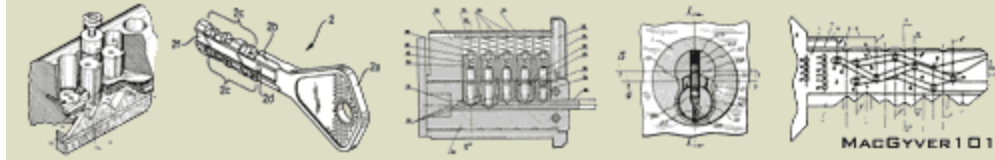
Thanks so much for your help in getting it together! 😊 I was digging around and found some more of the pictures from before the restoration work.











MacGyver101

Posts: 1423

Joined: Thu Jun 22, 2006 3:40 am

Location: Toronto, Canada

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Re: Folger Adam Model 82 - Prison Lock

by [scriptguru](#) » Sat Nov 26, 2011 5:03 pm

Thank you very much for infomartive topic!

I am sorry for non-informartive post, but the photos you have uploaded are just great and very rare (taking into account my own experience). I've never seen lever locks with keyways similar to pin tumblers, it's very cool!

scriptguru

Posts: 100

Joined: Fri Oct 29, 2010 3:50 am

Location: Burnaby, British Columbia, Canada

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Re: Folger Adam Model 82 - Prison Lock

by [rphillips52](#) » Thu Dec 01, 2011 2:20 am

Congratulations on an excellent restoration job, with clear photographs having some scale included.

A suggestion: this sort of cleaning job would be suitable for electrolytic cleaning, which would have saved you much time and effort.

As someone has pointed out, the 'plug' is indeed a combined barrel and curtain and bolt thrower. These three elements were invented separately, but found to be more effective when combined. Bulleted keyways are not common on lever locks, but are not unique to your type, though they have in the past mostly been used in locks taking flat keys. E.g., several US and British safe deposit locks have used such bulleted bolt throwers.

As a small aside, these locks have never been used in Britain. A rep demonstrated them to the Home Office prison dept. years ago, in an attempt to win an order. But a civil servant on the panel assessing these locks swung one of the keys, and remarked that it could 'really do some damage in the wrong hands'. That killed any idea of adopting them in British prisons; the rep abandoned his whole batch of samples into the hands of a British lock collector in the West Country, and returned to the USA empty handed - no samples, no orders. And there has never been any other export attempt here since. British mechanical locks for heavy-duty cell use are typically trigger-action, and often use a handle to withdraw the bolt, a small key merely unlocking it - like a safe door. This is a modern version

[http://www.clcsltd.co.uk/en/site/clcs/P ... ks/4L5556/](http://www.clcsltd.co.uk/en/site/clcs/P...ks/4L5556/)

rphillips52

Posts: 29

Joined: Thu Dec 01, 2011 12:20 am

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Re: Folger Adam Model 82 - Prison Lock

↳ by **MacGyver101** » Thu Dec 01, 2011 8:06 am

rphillips52 wrote: Congratulations on an excellent restoration job, with clear photographs having some scale included.

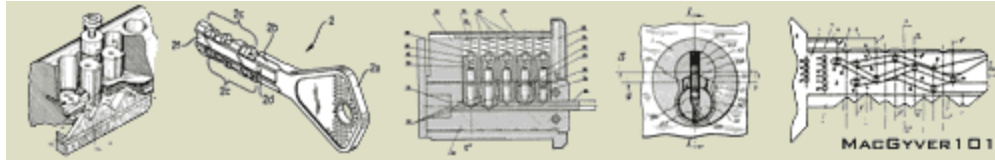
A suggestion: this sort of cleaning job would be suitable for electrolytic cleaning, which would have saved you much time and effort.

Thanks: I had a lot of fun with this one. I'd considered an electrolytic bath, but ended up using a chemical chelation solution instead (just happened to be more readily at hand). Either technique was thwarted, though, by the amount of old paint that had accumulated over some of the rustier spots: it required a lot of work to get it out of various cracks and crevices (serial numbers, etc.)... and, sadly, this lock was *far* too big for my ultrasonic cleaning tank. 😊

rphillips52 wrote: A rep demonstrated them to the Home Office prison dept. years ago, in an attempt to win an order. But a civil servant on the panel assessing these locks swung one of the keys, and remarked that it could 'really do some damage in the wrong hands'. That killed any idea of adopting them in British prisons; the rep abandoned his whole batch of samples into the hands of a British lock collector in

the West Country, and returned to the USA empty handed - no samples, no orders. And there has never been any other export attempt here since.

Ha... that's a neat bit of history. (And a good observation on the part of the Home Office folks.)



Re: Folger Adam Model 82 - Prison Lock

by **Taemyks** » Sat Dec 03, 2011 12:09 pm

That is a really pretty lock. I'm hoping to come across something like that at my recycling center 😊 What a wonderful piece of history too.

About a decade and a half ago I was in LA and several of the street vendors were offering keys like that they said would open this or that county lockup... I thought it was a joke as they keys looked like clubs. Makes me 🤔 now!

<http://deviating.net/lockpicking/resources.html>