Lock and Key

by Gateman

The completed grid contains twelve padlocks. Padlocks are formed by two pieces (single words) where the last one or more letters of the first piece overlap with the first one or more letters of the second. Non-overlapping outer letters form the padlock, to be entered in the grid. The padlocks' clues read like cryptic charade clues: for example, the clue *State to become proficient in producing gypsum* could give **ALABA(MA)STER**, with **ALABASTER** being the grid entry.

The unused segments (MA in the example above) constitute twelve more pieces. These can be paired (without overlapping) to form six keys, one of which is two words. Single extraneous letters in seven other clues explain where these keys fit.

1	2	3		4	5	6	7	8	9		10
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24		25		26		27		28			
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34							35			36	
	37							38			
39				40							
41						42					

Across

- 1 Person cut diamonds for part of woman's dress (6)
- 6 Journal near mate's damaged goods tossed overboard (6)
- 11 Farmer's trousers completely blow away near watering holes (8)
- 13 Redirect pony up Italian mountain (4)
- 14 Gaming system has full internet connectivity (4)
- 15 Navy adjusted list for one of two airways (7)
- 17 Bone cavities in insect are inconclusive upon reflection (5)
- 18 "Stop talking nonsense!" vents Dutch shrink (7)
- 21 Run in pantry for cooler (6)
- 23 Computer expert employed by cartel chief (6)
- 24 Bind together the feet of eight loose bears close to zoo (6, *hyph*.)
- 27 Easily missed individuals from a larger group establish permanent residence (6)
- 30 Rob gets anxiety being family successor (7)
- 34 Baloney sandwiches playing the role of oven cooked meal (5)
- 37 People momentarily hiding hoard (7)
- 38 Hole-boring tool's not where it should be (4)
- 39 Bite tip off of portion of cheese (4)
- 40 Bleaching agent and liquid oxygen added to enrich concoction (8)
- 41 Young fish, mice, and rats produce smells (6)
- 42 My gym left boxers working for sandwich, perhaps (6)

Down

- 1 British members of parliament fabricating lawn sport (5)
- 2 Latin author discovered viral disease (4)
- 3 Wait until later to slander leader in Islam (5)
- 4 Oldster's prop gun found on warship before 3 p.m. service (4)
- 5 Run away with finisher in race having the long natural gait of a horse (5)
- 7 Head off to gradually develop property (6)
- 8 More than one bird changes direction on the air (5)
- 9 Sew together swallow feather (6)
- 10 Sea creature's beard covered with tropical fruit (7)
- 12 Riding horses around without essential piece of harness—it's hard (5)
- 16 Dancing lass keeps time for peppier partners (5)
- 19 Bit of fishing gear I see coming out of water pipe (4)
- 20 Discontented scoundrel provided lifts for Pierre's son(4)
- 21 King of England's enchanting associates (7)
- 22 Man trapped by liquor joint does a complete 180° in recovery center (5)
- 25 Farmhouse roof in grave danger with rain rising (6)
- 26 Entire township trimmed Kitty's favorite herb back (6)
- 28 With failure to become bishop, monk rose being quite prickly (5)
- 29 Retreat with noodles, looking rather pale (5)
- 31 Refugee in woven cloth tees off (5)
- 32 Hubble telescope adjusted seconds before capture (5)
- 33 Strange, male bats and witch haunt city (5)
- 35 Lying on camera to party member (4)
- 36 Scrawny petty officer given fair weather forecast (4)