

A certain product once made Milwaukee (more) famous, so sure as Schlitz begat Schlitz Light, two new product lines were soon spun off, each named for a pair of local ingredients. In 13 checked squares in the grid you must enter either a specific bigram or a specific trigram; each bigram or trigram represents the manner of pairing for one of these products. Also, in each clue for an answer containing one of these squares, one word must have a letter “spun off” (that is, the word must be reversed and the letter removed) before solving; for example, a clue like:

Understand convention's lager

might be converted to:

Understand convention's real

(spinning off a G), giving an answer of CONSTRUE (CON'S TRUE). The spun-off letters for each manner of pairing, in order of the **squares** from top to bottom in the **grid**, will identify the corresponding ingredients. Write the names of the spin-off products in the blanks below.

All other clues work normally. As an extra bonus, you may be able to spot a couple of other related products among their answers. You do not need to include these related products in your answer submission.

1		2	3	4		5		6		7	8	9
	10		11				12	13				
14					15				16			
		17							18			
19					20	21						22
23			24	25					26		27	
				28	29					30		
31				32				33	34			
	35	36							37			38
39		40				41	42					
43				44					45			
46					47							
			48							49		

Spin-off products: _____

Across

- 1 Worker, perhaps at current con
- 4 Lucille's costar fills in chip in Elmo's volcanic rock
- 11 Grand sculpture perhaps hit singer Brooks
- 13 Quipster Mandel here sports a device that can move the earth
- 14 Italian river capsized the Spanish-German car
- 15 Danger alarmed an organism akin to the rediae
- 16 Waterbirds Joel gutted on Sunday
- 17 What pirates mark with SOX is loud baby's footwear
- 18 German and Filipino's latest defeat
- 19 *Lost* teaser has old devices
- 20 Go after Charlie to make cuts
- 23 Rock star wins Betsy's heart
- 25 Saint holding writing implement is exhausted
- 26 To stop being a rival for cross Pascal is swell
- 28 Hector snipes when in school with Daniel near Kampala
- 31 Sakharov with a Lebron award from one trio in Germany
- 32 Engineered 32-Down filtering out a color like ecru
- 34 Many behold this after evacuation
- 36 Actress Danes destroyed a relic
- 37 Man putting on a Ring of Darkness that spawns hands
- 39 Like eating British seabirds
- 42 Criminal restaurant employee grabs dinar
- 43 Poets assuming Oscar's bad posture
- 44 Allen chucks liquid at North Dakota's grassland grazers
- 45 Earn one thousand dollars at a business center
- 46 Useful implement at a fireside card game
- 47 Thou shalt mention a wintry period
- 48 Distant Solo in 33-Down is one who might give poles to pigs

49 Thick-heeled shoe lacking white fringe

Down

- 1 Remarkable bar to be scrubbing
- 2 [See 35-Down]
- 3 When logo is depicting Arctic dwellings
- 4 Want to sleep before Alighieri's moderately-paced movements
- 5 Heel at Marvel Comics draws vacuous bears
- 6 Anatomical passage that is circling or pivoting
- 7 Boy taking in Wittgenstein's tracts ought to faint
- 8 [See 30-Down]
- 9 Jose's bare bit of pelf that flips!
- 10 Person excavating city that's ancient Sparta smashed ore pot
- 12 Jackass or stallion damaged lane where Montana's legislators meet
- 18 What part of the eye is up above the calf when dining?
- 21 Retrod on Hero's foot in session held by director
- 22 Captain Hook's reified distressed north Asian bears
- 23 Suspect stale new offering from a pub, perhaps
- 24 Devices that attach poles outside feel weaker
- 27 Racer that is supporting Dad too tenuously, at first
- 29 Filthy swallows left in a sinister way
- 30+8 Duo from Boulder convention finally apprehended by awkward, dim, dorky man (3 wds.)
- 32 Shooter appeared to hit a sun god
- 33 Neighbor of Cyd played with Mal & Randy
- 35+2 Without warning, he stops moving to foul tube (4 wds.)
- 37 Go stare at big he-man on the internet
- 38 Quagga's hair conceals good condition of the hide
- 39 Some snakes carrying poison up front!
- 40 Zany-sounding stunt that impresses Dirac in a hotel
- 41 Real daemon wandering all over the place